LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 298	1		J25-T	10				.22	NO		115	
			P26-CC	194				.22	NO		115	
B 299	1		J25-C	10				.22	NO		115	
			P96-Q*	182				.22	NO		115	
B 300	1		J25-D	10				.22	NO		115	
			P96-R*	182				.22	NO		115	
B 301	1		J25-E	10				.22	NO		115	
			P96-S*	182				.22	NO		115	
B 302	1		J25-F	10				.22	NO		115	
			P96-T*	182				.22	NO		115	
B 303	1		J25-G	10				.22	NO		115	
			P96-U*	182				.22	NO		115	
B 304	1		J25-H	10				.22	NO		115	
			P96-V*	182				.22	NO		115	
B 305	1		J25-J	10				.22	NO		115	
			P96-W*	182				.22	NO		115	
B 306	1		J25-K	10				.22	NO		115	
			P96-X*	182				.22	NO		115	
B 307	1		J25-L	10				.22	NO		115	
			P96-Y*	182				.22	NO		115	
B 308	1		J25-M	10				.22	NO		115	
			P96-Z*	182				.22	NO		115	
B 309	1		J25-Z	10				.22	NO		115	
			P96-F*	182				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 310			DELETED									
B 311			DELETED									
B 312	1		J25-P*	10				.22	NO		115	
			P96-AA	182				.22	NO		115	
B 313	1		J25-Q*	10				.22	NO		115	
			P96-BB	182				.22	NO		115	
B 314	1		J25-R*	10				.22	NO		115	
			P96-EE	182				.22	NO		115	
B 315			DELETED									
B 316			DELETED									
B 317	2		J26-AA	3				.22	NO		127	
			TB7-5	221				.20	NO		74	
B 318	3		J26-C*	3				.22	NO		115	
			P129F-11	23F				.12	NO		113	
B 319	1		J26-D*	3				.22	NO		115	
			P129F-12	23F				.12	NO		113	
B 320	1		J26-J*	3				.22	NO		115	
			P114D-15	37				.12	NO		113	
B 321	1		J26-E*	3				.22	NO		115	
			P114D-17	37				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 322	1		J26-H*	3				.22	NO		115	
			P115D-3	77				.12	NO		113	
B 323	1		J26-G*	3				.22	NO		115	
			P115D-5	77				.12	NO		113	
B 324	1		J26-I*	3				.22	NO		115	
			P114D-21	37				.12	NO		113	
B 325	1		J26-F*	3				.22	NO		115	
			P114D-23	37				.12	NO		113	
B 326	1		J26-GG	3				.22	NO		115	
			P114D-27	37				.12	NO		113	
B 327	1		J26-HH	3				.22	NO		115	
			P114D-29	37				.12	NO		113	
B 328	8				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 328B	1		P115D-16	77				.12	NO		138	
			SHLD B328					.25	NO			
B 328L			J26-U*	3				.22	NO		115	
			P115D-16	77				.12	NO			
B 328R			J26-T*	3				.22	NO		115	
			P115D-15	77				.12	NO		113	
B 329	1		J26-S*	3				.22	NO		115	
			P99-P	186				.22	NO		115	
B 330	1		J26-X*	3				.22	NO		115	
			P34-C	188				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 331	1		J26-Y*	3				.22	NO		115	
			P34-B	188				.22	NO		115	
B 332	1		J26-Z*	3				.22	NO		115	
			P34-E	188				.22	NO		115	
B 333	1		J26-CC	3				.22	NO		115	
			P34-G	188				.22	NO		115	
B 334	1		J26-R*	3				.22	NO		115	
			P34-E*	188				.22	NO		115	
B 335	1		J26-W*	3				.22	NO		115	
			P99-F	186				.22	NO		115	
B 336	2		J26-BB	3				.22	NO		127	
			TB8-4	212				.20	NO		74	
B 337	1		J26-V*	3				.22	NO		115	
			P34-G*	188				.22	NO		115	
B 338	1		J26-FF	3				.22	NO		115	
			P129F-7	23F				.12	NO		113	
B 339	1		J26-B	3				.22	NO		115	
			P114D-32	37				.12	NO		113	
B 340	2		J26-C	3				.22	NO		127	
			TB7-6	220				.20	NO		74	
B 341	2		J26-D	3				.22	NO		127	
			TB8-5	211				.20	NO		74	
B 342	3		J26-EE	3				.22	NO		115	
			P129F-5	23F				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 919E			P49-23A P67-A1	168 132				.28 .11	NO NO		132 90	
B 919X			P49-23B P67-A2	168 132								
B 920	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
B 920E			P49-38A P67-C1	168 132				.28 .11	NO NO		132 90	
B 920X			P49-38B P67-C2	168 132								
B 921	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
921E			P49-39A P69-C1	168 136				.28 .11	NO NO		132 90	
B 921X			P49-39B P69-C2	168 136								
B 922	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
B 922E			P49-40A P67-B1	168 132				.28 .11	NO NO		132 90	
B 922X			P49-40B P67-B2	168 132								
B 923	118				.44 .44	.28 .28					128,131,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 923E			P49-47A P128C-19A	168 167C				.28 .22	NO NO		132 96	
B 923X			P49-47B P128C-19B	168 167C								
B 924	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 924B	1		TB9-9 SHLD B924	95				.20 .25	NO NO		74	
B 924L			P50-E TB9-9	114 96				.22 .20	NO NO		117 74	
B 924R			P50-D TB9-6	114 100				.22 .20	NO NO		117 74	
B 925	2		P50-A P126E-28	114 31				.22 .22	NO NO		117 138	
B 926	118				.50 2.25	.31 2.00				A,7	120 120	
B 926E			P51-1 P65-J	140 131				.11 .22	NO NO		115	
B 926X			P51-2 SHLD B926	140								
B 927	118				.50 2.25	.31 2.00				A,7	120 120	
B 927E			P52-1 P65-J*	139 131				.11 .22	NO NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 927X			P52-2 SHLD B927	139								
B 928	118				.50 2.25	.31 2.00				B,6B	120 120,119	
B 928B			P65-H* SHLD B928	131				.22 .25	NO NO		115	
B 928E			P53-1 P65-H	141 131				.11 .22	NO NO		115	
B 928X			P53-2 SHLD B928	141								
B 929	118				.50 .44	.31 .28					120 128,131,120	
B 929E			P54-1 P62-12A	142 125				.11 .28	NO NO		132	
B 929X			P54-2 P62-12B	142 125								
B 930	118				.50 .44	.31 .28					120 128,131	
B 930E			P55-1 P60-3A	145 122				.11 .28	NO NO		132	
B 930X			P55-2 P60-3B	145 122								
B 931	118				.50 .44	.31 .28					120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 931E			P56-1 P128A-6A	147 171				.11 .22	NO NO		96	
B 931X			P56-2 P128A-6B	147 171								
B 932	118				.50 .52	.31 .23				A,9	120 131,128,120	
B 932E			P57-1 J132-1	146 121				.11 .11	NO NO		132	
B 932X			P57-2 J132-2	146 121								
B 933	118				.50 .52	.31 .23				A,9	120 131,128,120	
B 933E			P58-1 J133-1	144 120				.11 .11	NO NO		132	
B 933X			P58-2 J133-2	144 120								
B 934	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 934B	1		TB6-4 SHLD B934	238				.20 .25	NO NO		74	
B 934L			P59-E TB6-4	138 238				.22 .20	NO NO		117 74	
B 934R			P59-D TB6-7	138 241				.22 .20	NO NO		117 74	

WIRING HARNESS A 2900654 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 49	1		J4-K	42				.20	NO			
			TB2-14	77				.30	YES			C,B
A 50	1		J4-C	42				.20	NO			
			K17-9	11				.30	YES		8	C
A 51	1		J4-G	42				.20	NO			
			K17-16	11				.30	YES		8	C
A 52	1		J4-T	42				.20	NO			
			K17-19	11				.30	YES		8	C
A 53	1		J1-8	44				.20	NO			
			K2-4	9				.30	YES		11	C
A 54	1		J2-G	45				.20	NO			
			K1-8	4				.30	YES		8	C
A 55	1		TP1	46				.30	YES			
			TB1-48	60				.30	YES			A,D
A 56	1		R27-1	24				.30	YES		9	
			AR2-2	52				.30	YES		8	D
A 57	1		R27-2	24				.30	YES		9	
			TB1-2	54				.30	YES			A,D
A 58	1		R28-2	23				.30	YES		9	
			AR3-6	51				.30	YES		8	D
A 59	1		R28-1	23				.30	YES		9	
			TB1-5	55				.30	YES			A,D
A 60	1		R38-2	20				.30	YES		9	
			K17-13	11				.30	YES		8	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR B
SHEET 10 OF 18
MIL 2084 4-63

WIRING HARNESS A 2900654 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 61	1		R38-1	20				.30	YES		9	
			TB2-5	74				.30	YES			C,B
A 62	1		K3-6	67				.30	YES		11	
			TB1-60	63				.30	YES			A
A 63	1		DS2-2	64				.30	YES			
			K17-1	11				.30	YES		8	C,B
A 64	1		E11	71				.30	YES			
			TB1-49	60				.30	YES			A
A 65	2		Q7-3	8				.30	YES		13	
			TB3-2	10				.30	YES			C
A 66	1		Q7-2	65				.30	YES		14	
			TB1-55	62				.30	YES			A
A 67	2		R51-1	7				.30	YES		12	
			K6-8	9				.30	YES		11	C
A 68	1		E13	72				.30	YES			
			TB2-1	75				.30	YES			B
A 69	1		E14	73				.30	YES			
			TB1-47	60				.30	YES			A
A 70	1		E18	67				.30	YES			
			TB2-26	81				.30	YES			B
A 71	1		E9	70				.30	YES			
			TB2-22	81				.30	YES			B
A 72	1		E10	71				.30	YES			
			TB1-56	62				.30	YES			A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR B
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WIRING HARNESS A 2900654 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 73	1		K3-7	67				.30	YES		11	
			TB1-45	61				.30	YES			A
A 74	1		K3-3	67				.30	YES		11	
			TB1-43	60				.30	YES			A
A 75	1		E6	2				.30	YES			
			R18-2	15				.30	YES		9	C
A 76	1		E8	69				.30	YES			
			TB1-52	61				.30	YES			A
A 77	1		DS2-1	64				.30	YES		10	
			TB1-19	56				.30	YES			A
A 78	1		DS2-3	64				.30	YES		10	
			TB1-36	59				.30	YES			A
A 79	1		E1	8				.30	YES			
			TB3-24	12				.30	YES			C
A 80	1		CR4-2	65				.30	YES		15	
			TB2-30	79				.30	YES			B
A 81	1		CR4-4	4				.30	YES		15	
			K12-3	16				.30	YES		11	C
A 82	1		BT8-(-)	48				.20	NO		6	
			TB3-47	19				.30	YES			C
A 83	1		DS4-1	49				.20	NO		7	
			TB1-53	61				.30	YES			A,D
A 84	1		DS4-3	49				.20	NO		7	
			K11-7	16				.30	YES		11	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR B
SHEET 12 OF 18
MIL 2084 4-63

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 85	1		E17	66				.30	YES			
			TB3-9	10				.30	YES			B,C
A 86	1		TB1-60	63				.30	YES			
			TB3-16	12				.30	YES			C,B,A
A 87	1		TB2-31	79				.30	YES			
			AR3-4	51				.30	YES		8	B,A,D
A 88	1		TB2-32	80				.30	YES			
			AR2-4	52				.30	YES		8	B,A,D
A 89	1		TB2-54	87				.30	YES			
			K11-8	16				.30	YES		11	C,B
A 90	1		TB1-35	58				.30	YES			
			K14-4	14				.30	YES		11	C,B,A
A 91	1		TB1-29	58				.30	YES			
			AR1-1	53				.30	YES		8	A,D
A 92	1		TB2-46	84				.30	YES			
			AR4-1	50				.30	YES		8	B,C,D
A 93	1		TB2-46	84				.30	YES			
			K17-6	11				.30	YES		8	C,B
A 94	1		TB2-50	86				.30	YES			
			K17-18	11				.30	YES		8	C,B
A 95	1		TB1-11	56				.30	YES			
			AR2-6	52				.30	YES		8	A,D
A 96	1		TB1-14	57				.30	YES			
			AR3-2	51				.30	YES		8	A,D

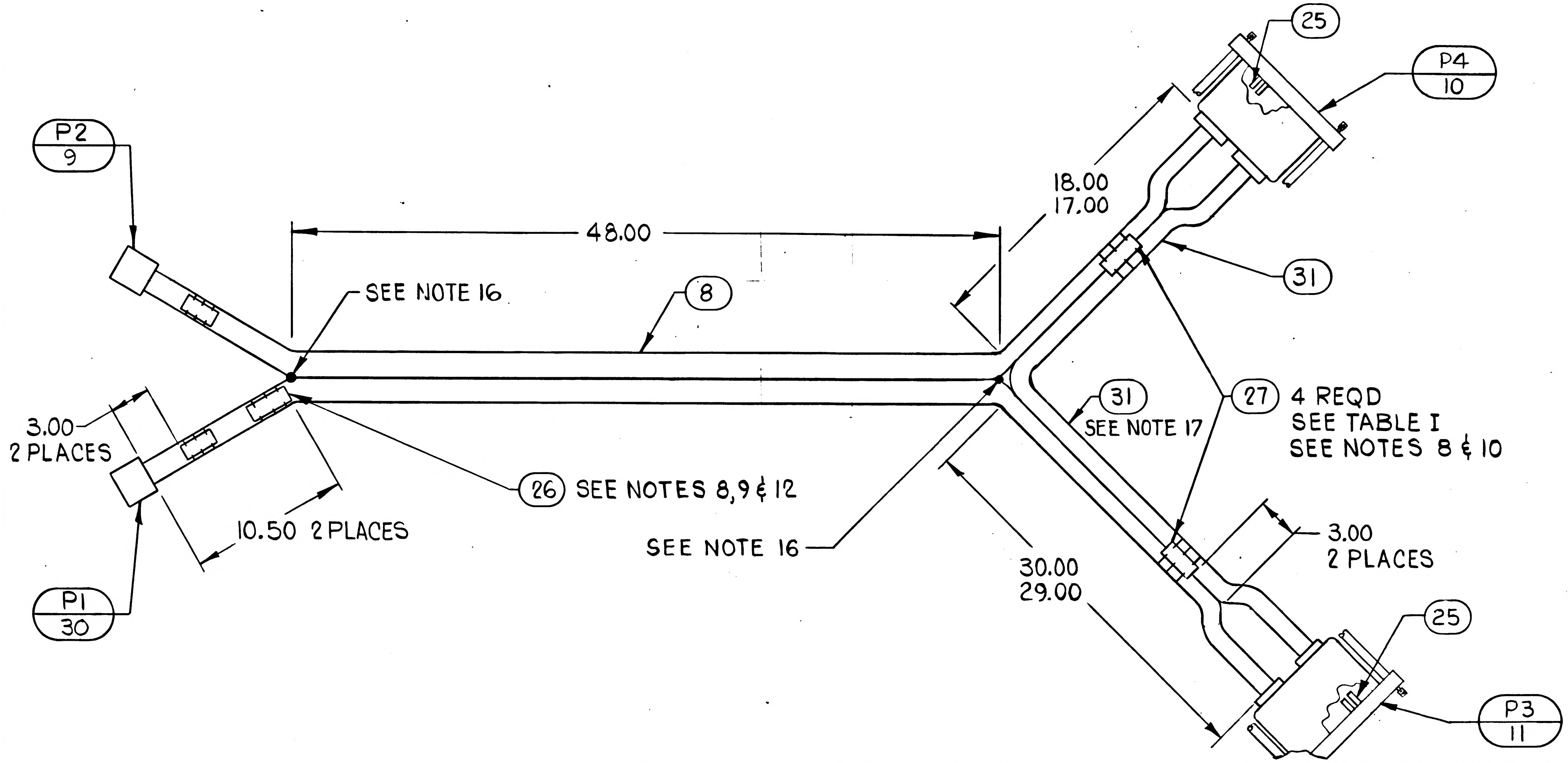
SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 13 OF 18
MIL 2084 9-65

TABLE I

PLUG NO.	MARKING
P1	W154-P1 (J19-GDB)
P2	W154-P2 (J20-GDB)
P3	W154-P3 (J4-PSA)
P4	W154-P4 (-ECDU)

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.


P2
9
P1
30
P4
10
P3
11
48.00
SEE NOTE 16
8
18.00
17.00
31
27
4 REQD
SEE TABLE I
SEE NOTES 8 & 10
31
SEE NOTE 17
3.00
2 PLACES
10.50 2 PLACES
26
SEE NOTES 8,9 & 12
SEE NOTE 16
30.00
29.00
3.00
2 PLACES
25
25

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± –	± .50	± –

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN J. Wolski DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RTS (Prelim Approval)
MIT APPROVAL W Kupfer 21 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED - W154

CODE IDENT NO. 99974
SIZE C
2900661
SCALE NONE
SHEET 43 of 43

MIL 1077C—P

2900661

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15A	6		SHLD A15 P1-11/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-11/O
A 15L			P1-10/O P3-F36					.23 .18	NO NO		17, 14 12	
A 15R			P1-10/I P3-F37					.22 .18	NO NO		15, 19, 20 12	
A 16	2				3.80 3.80	3.50 3.50				A,68 B,7	21, 23 23	
A 16A	6		SHLD A16 P1-11/O					.25 .23	NO NO		17, 14	USE WITH P1-11/I
A 16L			P1-12/O P3-B29					.23 .18	NO NO		17, 14 12	
A 16R			P1-12/I P3-A29					.22 .18	NO NO		15, 19, 20 12	
A 17	2				3.80 3.80	3.50 3.50				A,68 B,7	21, 23 23	
A 17A	6		SHLD A17 P1-14					.25 .19	NO NO		33	
A 17L			P1-13/O P3-B28					.23 .18	NO NO		17, 14 12	
A 17R			P1-13/I P3-A28					.22 .18	NO NO		15, 19, 20 12	
A 18	2				3.80 3.80	3.50 3.50				A,68 B,7	21, 23 23	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 10 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18A	6		SHLD A18 P1-25/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-25/O
A 18L			P1-24/O P3-H39					.23 .18	NO NO		17, 14 12	
A 18R			P1-24/I P3-K39					.22 .18	NO NO		15, 19, 20 12	
A 19	2				3.80 3.80	3.50 3.50				A,68 B,7	21, 23 23	
A 19A	6		SHLD A19 P1-25/O					.25 .23	NO NO		17, 14	USE WITH P1-25/I
A 19L			P1-26/O P3-K38					.23 .18	NO NO		17, 14 12	
A 19R			P1-26/I P3-H38					.22 .18	NO NO		15, 19, 20 12	
A 20	2				4.30 4.30	4.00 4.00				A,68 B,7	21, 23 23	
A 20A	6		SHLD A20 P1-16/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-16/O
A 20L			P1-15/O P3-H37					.23 .18	NO NO		17, 14 12	
A 20R			P1-15/I P3-K37					.22 .18	NO NO		15, 19, 20 12	
A 21	2				4.30 4.30	4.00 4.00				A,68 B,7	21, 23 23	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR E		SHEET 11 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21A	6		SHLD A21 P1-16/O					.25 .23	NO NO		17, 14	USE WITH P1-16/I
A 21L			P1-17/O P3-K36					.23 .18	NO NO		17, 14 12	
A 21R			P1-17/I P3-H36					.22 .18	NO NO		15, 19, 20 12	
A 22	2				4.30 4.30	4.00 4.00				A,68 B,7	21, 23 23	
A 22A	6		SHLD A22 P1-19/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-19/O
A 22L			P1-18/O P3-H41					.23 .18	NO NO		17, 14 12	
A 22R			P1-18/I P3-G41					.22 .18	NO NO		15, 19, 20 12	
A 23	2				4.30 4.30	4.00 4.00				A,68 B,7	21, 23 23	
A 23A	6		SHLD A23 P1-19/O					.25 .23	NO NO		17, 14	USE WITH P1-19/I
A 23L			P1-20/O P3-F39					.23 .18	NO NO		17, 14 12	
A 23R			P1-20/I P3-F40					.22 .18	NO NO		15, 19, 20 12	
A 24	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 12 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P1-44/O P3-C19					.23 .18	NO NO		17, 14 12	
A 24R			P1-44/I P3-C18					.22 .18	NO NO		15, 19, 20 12	
A 25	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 25L			P1-43/O P3-D9					.23 .18	NO NO		17, 14 12	
A 25R			P1-43/I P3-D10					.22 .18	NO NO		15, 19, 20 12	
A 26	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 26L			P1-31/O P3-B20					.23 .18	NO NO		17, 14	
A 26R			P1-31/I P3-C20					.22 .18	NO NO		15, 19, 20 12	
A 26Y			P1-32 P3-B21					.19 .18	NO NO		32 12	
A 27	6		P1-33/O P3-B12					.23 .18	NO NO		17, 14 12	USE WITH P1-33/I
A 28	6		P1-33/I P3-A12					.22 .18	NO NO		15, 19, 20 12	USE WITH P1-33/O
A 29	6		P1-35/O P3-A11					.23 .18	NO NO		17, 14 12	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 13 OF 43

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	59	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	59A	6		SHLD A59 P2-23/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-23/0
A	59B	5		P4-403 SHLD A59					.18 .25	NO NO		34	
A	59L			P2-22/0 P4-503					.23 .18	NO NO		17, 16 12	
A	59R			P2-22/I P4-603					.22 .18	NO NO		20, 18, 13 12	
A	60	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	60A	6		SHLD A60 P2-23/0					.25 .23	NO NO		17, 16	USE WITH P2-23/I
A	60B	5		P4-103 SHLD A60					.18 .25	NO NO		34	
A	60L			P2-24/0 P4-203					.23 .18	NO NO		17, 16 12	
A	60R			P2-24/I P4-303					.22 .18	NO NO		20, 18, 13 12	
A	61	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	61A	6		SHLD A61 P2-26/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-26/0

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 22 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61B	5		P4-402 SHLD A61					.18 .25	NO NO		34	
A	61L			P2-25/0 P4-502					.23 .18	NO NO		17, 16 12	
A	61R			P2-25/I P4-602					.22 .18	NO NO		20, 18, 13 12	
A	62	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	62A	6		SHLD A62 P2-26/0					.25 .23	NO NO		17, 16	USE WITH P2-26/I
A	62B	5		P4-102 SHLD A62					.18 .25	NO NO		34	
A	62L			P2-27/0 P4-202					.23 .18	NO NO		17, 16 12	
A	62R			P2-27/I P4-302					.22 .18	NO NO		20, 18, 13 12	
A	63	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	63A	6		SHLD A63 P2-29/I					.25 .22	NO NO		20, 18, 13	
A	63B	5		P4-401 SHLD A63					.18 .25	NO NO		34	USE WITH P2-29/0
A	63L			P2-28/0 P4-501					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 23 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	63R			P2-28/I P4-601					.22 .18	NO NO		20, 18, 13 12	
A	64	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	64A	6		SHLD A64 P2-29/0					.25 .23	NO NO		17, 16	USE WITH P2-29/I
A	64B	5		P4-101 SHLD A64					.18 .25	NO NO		34	
A	64L			P2-30/0 P4-201.					.23 .18	NO NO		17, 16 12	
A	64R			P2-30/I P4-301					.22 .18	NO NO		20, 18, 13 12	
A	65	4				4.30 4.80	4.50 4.50				B,7 B,7	23 23	
A	65L			P2-33/0 P4-611					.23 .18	NO NO		17, 16 12	
A	65R			P2-33/I P4-411					.22 .18	NO NO		20, 18, 13 12	
A	65Y			P2-34 P4-511					.19 .18	NO NO		32 12	
A	66	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	66L			P2-35/0 P4-112					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 24 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66R			P2-35/I P4-212					.22 .18	NO NO		20, 18, 13 12	
A	67	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	67L			P2-36/0 P4-312					.23 .18	NO NO		17, 16 12	
A	67R			P2-36/I P4-412					.22 .16	NO NO		20, 18, 13 12	
A	68	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	68L			P2-37/0 P4-612					.23 .18	NO NO		17, 16 12	
A	68R			P2-37/I P4-113					.22 .18	NO NO		20, 18, 13 12	
A	68Y			P2-38 P4-512					.19 .18	NO NO		32 12	
A	69	2				5.30 5.30	5.00 5.00				B,7 B,7	23 23	
A	69L			P2-39/0 P4-213					.23 .18	NO NO		17, 16 12	
A	69R			P2-39/I P4-313					.22 .18	NO NO		20, 18, 13 12	
A	70	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 25 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	70A	5		SHLD A70 P2-32					.25 .19	NO NO		 32	
A	70B	5		P4-111 SHLD A70					.18 .25	NO NO		34	
A	70L			P2-31/O P4-211					.23 .18	NO NO		17, 16 12	
A	70R			P2-31/I P4-311					.22 .18	NO NO		20, 18, 13 12	
A	71	6		P2-40/I P4-522					.22 .18	NO NO		20, 18, 13 12	USE WITH P2-40/O
A	72	6		P2-40/O P4-622					.23 .18	NO NO		17, 16 12	 USE WITH P2-40/I
A	73	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	73A	6		SHLD A73 P2-42/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-42/O
A	73B	5		P4-634 SHLD A73					.18 .25	NO NO		34	
A	73L			P2-41/O P4-534					.23 .18	NO NO		17, 16 12	
A	73R			P2-41/I P4-434					.22 .18	NO NO		20, 18, 13 12	
A	74	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE REV LTR E SHEET 26 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	74A	6		SHLD A74 P2-42/O					.25 .23	NO NO		 17, 16	
A	74B	5		P4-335 SHLD A74					.18 .25	NO NO		34	
A	74L			P2-43/O P4-235					.23 .18	NO NO		17, 16 12	
A	74R			P2-43/I P4-135					.22 .18	NO NO		20, 18, 13 12	
A	75	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	75A	5		SHLD A75 P2-45					.25 .19	NO NO		 32	
A	75B	5		P4-635 SHLD A75					.18 .25	NO NO		34	
A	75L			P2-44/O P4-535					.23 .18	NO NO		17, 16 12	
A	75R			P2-44/I P4-435					.22 .16	NO NO		20, 18, 13 12	
A	76	5		P2-53 P4-236					.19 .18	NO NO		32 34	
A	77	5		P2-54 P4-436					.19 .18	NO NO		32 34	
A	78			DELETED									

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE REV LTR F SHEET 27 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	79	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	79A	6		SHLD A79 P2-47/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-47/O
A	79B	5		P4-137 SHLD A79					.18 .25	NO NO		34	
A	79L			P2-46/O P4-337					.23 .18	NO NO		17, 16 12	
A	79R			P2-46/I P4-237.					.22 .18	NO NO		20, 18, 13 12	
A	80	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	80A	6		SHLD A80 P2-47/O					.25 .23	NO NO		 17, 16	 USE WITH P2-47/I
A	80B	5		P4-637 SHLD A80					.18 .25	NO NO		34	
A	80L			P2-48/O P4-537					.23 .18	NO NO		17, 16 12	
A	80R			P2-48/I P4-437					.22 .18	NO NO		20, 18, 13 12	
A	81	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	81A	5		SHLD A81 P3-G33					.25 .18	NO NO		 34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE REV LTR E SHEET 28 OF 43

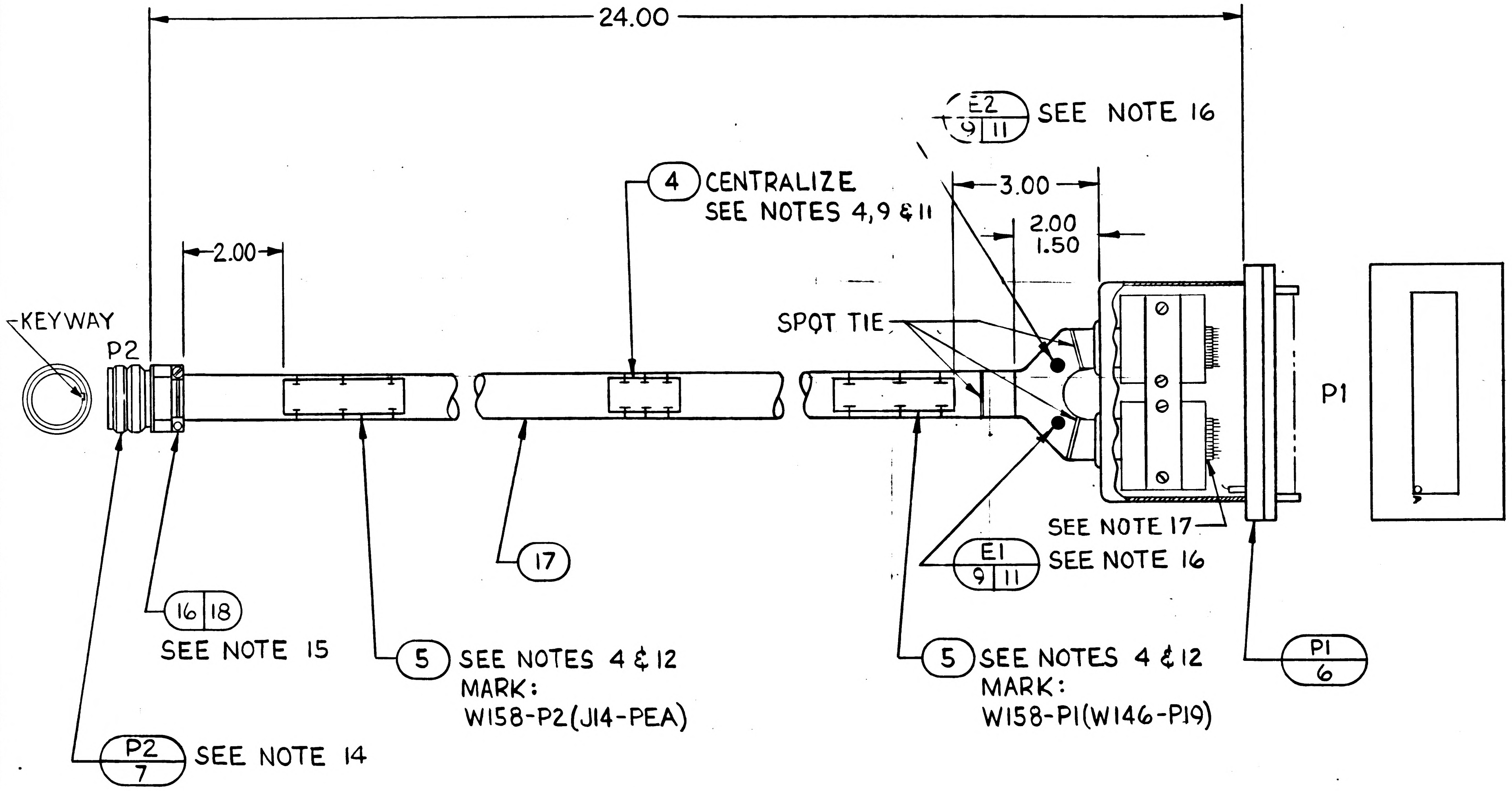
	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	81B	5		P4-341 SHLD A81					.18 .25	NO NO		34	
A	81L			P3-K33 P4-241					.18 .18	NO NO		12 12	
A	81R			P3-H33 P4-141					.18 .18	NO NO		12 12	
A	82	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	82A	5		SHLD A82 P3-G34					.25 .18	NO NO		 34	
A	82B	5		P4-641 SHLD A82					.18 .25	NO NO		34	
A	82L			P3-H34 P4-541					.18 .18	NO NO		34 34	
A	82R			P3-K34 P4-441					.18 .18	NO NO		34 34	
A	83	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	83A	5		SHLD A83 P3-F27					.25 .18	NO NO		 34	
A	83B	5		P4-343 SHLD A83					.18 .25	NO NO		34	
A	83L			P3-F29 P4-243					.18 .18	NO NO		34 34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE REV LTR F SHEET 29 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 116R			P3-G7					.18	NO		34	
			P4-121					.18	NO		34	
A 116Y			P3-F8					.18	NO		34	
			P4-521					.18	NO		34	
A 117	7				5.80	5.50				A,6B	21, 24	
					5.80	5.50				B,7	24	
A 117A	5		SHLD A117					.25	NO			
			P3-D27					.18	NO		12	
A 117W			P3-D26					.18	NO		12	
			P4-138					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99474	2900661
SCALE-NONE	REV LTR E	SHEET 42 OF 43

REVISIONS [illegible]					
SYM	ZONE	DESCRIPTION		DATE	APPD.
		SEE SHEET 1 FOR REV RECORD	CHG NO.		



24.00
KEYWAY
P2
2.00
4 CENTRALIZE SEE NOTES 4,9 & 11
SPOT TIE
E2 9 11 SEE NOTE 16
3.00
2.00
1.50
P1
SEE NOTE 17
E1 9 11 SEE NOTE 16
17
16 18 SEE NOTE 15
5 SEE NOTES 4 & 12 MARK: W158-P2(J14-PEA)
5 SEE NOTES 4 & 12 MARK: W158-P1(W146-P19)
P1 6
P2 7 SEE NOTE 14

2900664 G

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJT
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE C
2900664
SCALE 1:2
SHEET 18 OF 18

MIL 1077C—P

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	24R			P2-S* P3-64					.22 .15	NO NO		14 13	
A	25	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A	25A	4		SHLD A25 E1					.25 .37	NO NO			
A	25L			P2-R* P3-63					.22 .15	NO NO		14 13	
A	25R			P2-Q* P3-62					.22 .15	NO NO		14 13	
A	26	5		E1 P2-M					.38 .22	NO NO		 14	
A	27	4		P2-PP P3-32					.22 .15	NO NO		14 13	
A	28	4		P2-NN P3-15					.22 .15	NO NO		14 13	
A	29	4		P2-MM P3-14					.22 .15	NO NO		14 13	
A	30	4		P2-LL P3-81					.22 .15	NO NO		14 13	
A	31	4		P2-KK P3-82					.22 .15	NO NO		14 13	
A	32	4		P2-JJ P3-80					.22 .15	NO NO		14 13	

SIZE	CODE IDENT NO.		
A	99974	2900665	
SCALE-NONE	REV LTR	D	SHEET 14 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	33	4		P2-HH P3-35					.22 .15	NO NO		14 13	
A	34	4		P2-GG P3-59					.22 .15	NO NO		14 13	
A	35	4		P2-FF P3-58					.22 .15	NO NO		14 13	
A	36	4		P2-E P3-36					.22 .15	NO NO		14 13	
A	37	4		P2-P P3-85					.22 .15	NO NO		14 13	
A	38	4		P2-R P3-60					.22 .15	NO NO		14 13	
A	39	4		P2-A* P3-37					.22 .15	NO NO		14 13	
A	40	4		P2-T P3-19					.22 .15	NO NO		14 13	
A	41	4		P2-U P3-61					.22 .15	NO NO		14 13	
A	42	4		P2-EE P3-56					.22 .15	NO NO		14 13	
A	43	4		P2-DD P3-16					.22 .15	NO NO		14 13	
A	44	4		P2-CC P3-33					.22 .15	NO NO		14 13	

SIZE	CODE IDENT NO.		
A	99974	2900665	
SCALE-NONE	REV LTR	D	SHEET 15 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	45	4		P2-BB P3-34					.22 .15	NO NO		14 13	
A	46	4		P2-AA P3-6					.22 .15	NO NO		14 13	
A	47	4		P2-Z* P3-17					.22 .15	NO NO		14 13	
A	48	4		P2-H P3-83					.22 .15	NO NO		14 13	
A	49	4		P2-Y* P3-54					.22 .15	NO NO		14 13	
A	50	4		P2-J P3-84					.22 .15	NO NO		14 13	
A	51	4		P2-W* P3-55					.22 .15	NO NO		14 13	
A	52	4		P2-K P3-31					.22 .15	NO NO		14 13	
A	53	4		P2-X* P3-53					.22 .15	NO NO		14 13	
A	54	4		P2-L P3-57					.22 .15	NO NO		14 13	
A	55	5		E6-BB E5					.38 .20	NO NO			
A	56	5		E7-BB E8					.38 .20	NO NO			

SIZE	CODE IDENT NO.		
A	99974	2900665	
SCALE-NONE	REV LTR	D	SHEET 16 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24	22		E3 E4-B					.25 .25	NO NO			
A 25	22		E4-BB P2-L					.25 .22	NO NO		 19	
A 26	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 26A	8		SHLD A26 P1-B*					.25 .22	NO NO		 19	
A 26B	8		E5 SHLD A26					.25 .25	NO NO			
A 26L			P1-NN P3-NN					.22 .22	NO NO		19 18	
A 26R			P1-PP P3-PP					.22 .22	NO NO		19 18	
A 27	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 27A	8		SHLD A27 P1-P					.25 .22	NO NO		 19	
A 27B	8		E5 SHLD A27					.25 .25	NO NO			
A 27L			P1-LL P3-LL					.22 .22	NO NO		19 18	
A 27R			P1-MM P3-MM					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671
SCALE-NONE | REV LTR ★C | SHEET 14 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 28	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 28A	8		SHLD A28 P1-E					.25 .22	NO NO		 19	
A 28B	8		E5 SHLD A28					.25 .25	NO NO			
A 28L			P1-JJ P3-JJ					.22 .22	NO NO		19 18	
A 28R			P1-KK P3-KK					.22 .22	NO NO		19 18	
A 29	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 29A	8		SHLD A29 P1-A*					.25 .22	NO NO		 19	
A 29B	8		E5 SHLD A29					.25 .25	NO NO			
A 29L			P1-GG P3-GG					.22 .22	NO NO		19 18	
A 29R			P1-HH P3-HH					.22 .22	NO NO		19 18	
A 30	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 30A	8		SHLD A30 P1-V					.25 .22	NO NO		 19	

SIZE A | CODE IDENT NO. 99974 | 2900671
SCALE-NONE | REV LTR ★C | SHEET 15 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	8		~~E5~~ E14 SHLD A30					.25 .25	NO NO			
A 30L			P1-EE P3-EE					.22 .22	NO NO		19 18	
A 30R			P1-FF P3-FF					.22 .22	NO NO		19 18	
A 31	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 31A	8		SHLD A31 P1-C*					.25 .22	NO NO		 19	
A 31B	8		E6 SHLD A31					.25 .25	NO NO			
A 31L			P1-W* P3-W*					.22 .22	NO NO		19 18	
A 31R			P1-X* P3-X*					.22 .22	NO NO		19 18	
A 32	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 32A	8		SHLD A32 P1-Z					.25 .22	NO NO		 19	
A 32B	8		E6 SHLD A32					.25 .25	NO NO			
A 32L			P1-U* P3-U*					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671
SCALE-NONE | REV LTR ★C | SHEET 16 OF 28

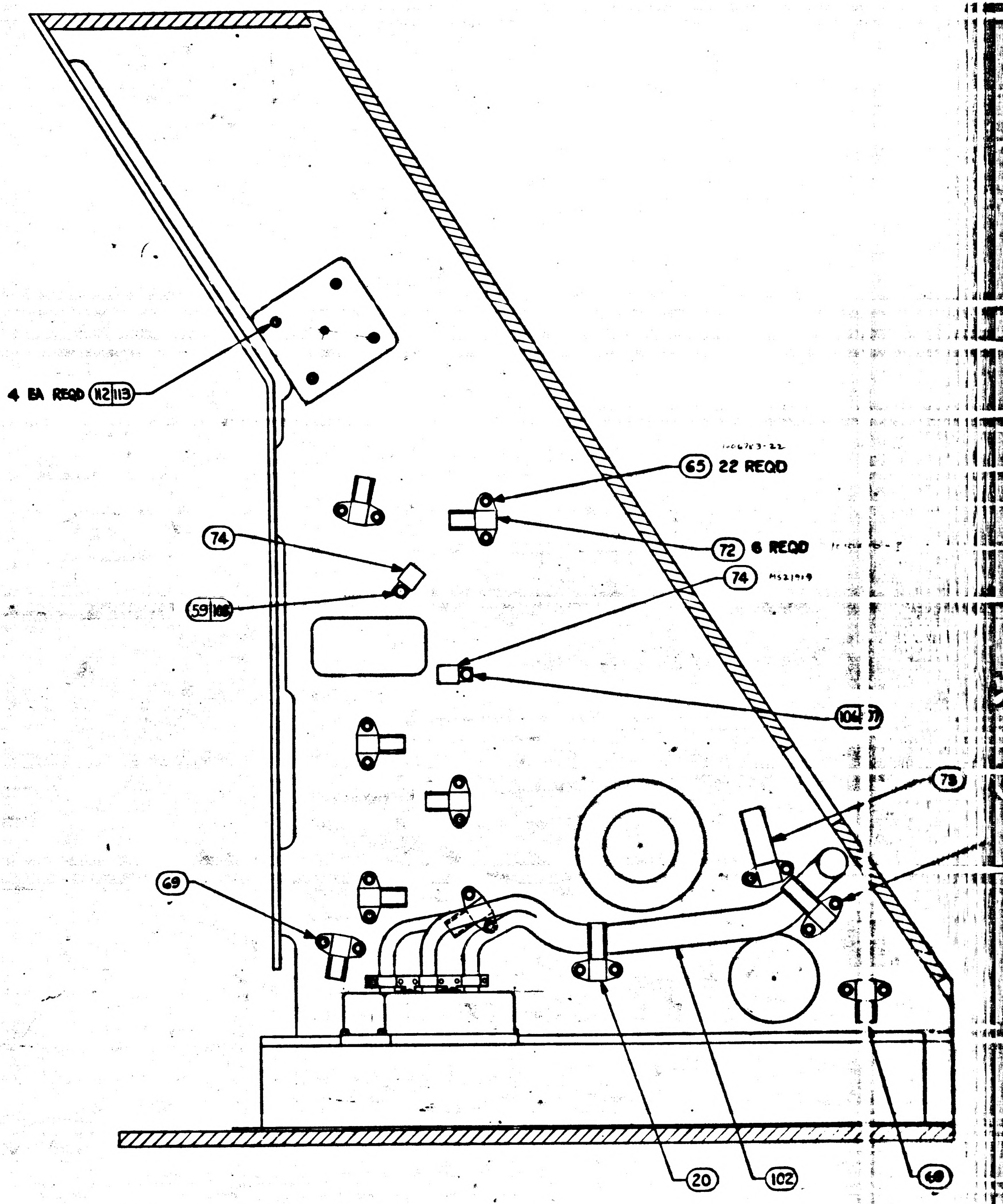
MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32R			P1-V* P3-V*					.22 .22	NO NO		19 18	
A 33	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 33A	8		SHLD A33 P1-R					.25 .22	NO NO		 19	
A 33B	8		E6 SHLD A33					.25 .25	NO NO			
A 33L			P1-CC P3-CC					.22 .22	NO NO		19 18	
A 33R			P1-DD P3-DD					.22 .22	NO NO		19 18	
A 34	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 34A	8		SHLD A34 P1-L					.25 .22	NO NO		 19	
A 34B	8		E6 SHLD A34					.25 .25	NO NO			
A 34L			P1-AA P3-AA					.22 .22	NO NO		19 18	
A 34R			P1-BB P3-BB					.22 .22	NO NO		19 18	
A 35	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	

SIZE A | CODE IDENT NO. 99974 | 2900671
SCALE-NONE | REV LTR ★C | SHEET 17 OF 28

MIL 2084 9-65


4 EA REQD 112 113
1006783-22
65 22 REQD
72 6 REQD
74
74
MS21919
59 108
106 77
73
69
20
102
68

PARTIAL SECTION F-F

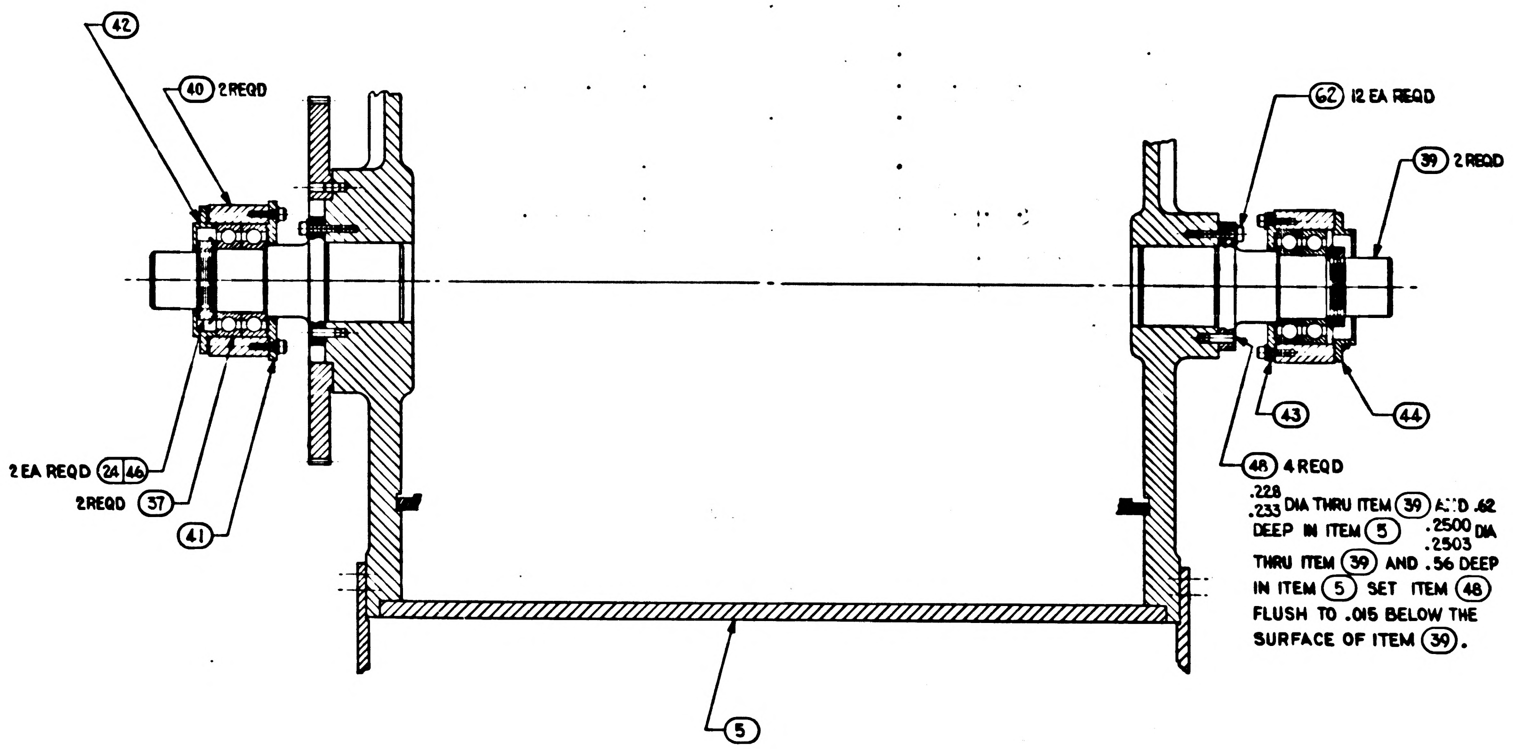
2900673 REV LTR D SH 3

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

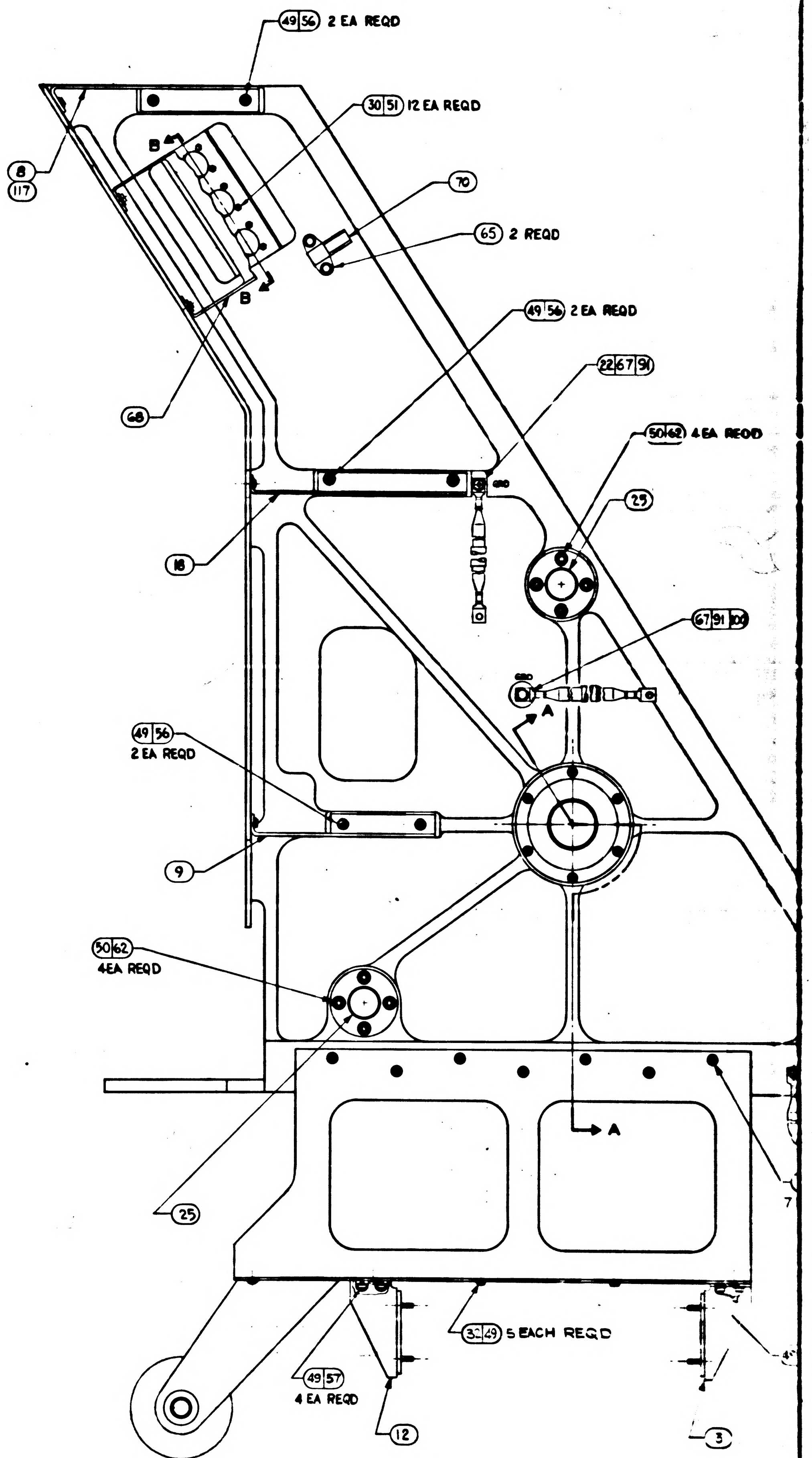
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   - A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   - B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.



42
40 2 REQD
62 12 EA REQD
39 2 REQD
2 EA REQD 24 46
2 REQD 37
41
43
44
48 4 REQD
5

$\frac{.228}{.233}$ DIA THRU ITEM (39) AND .62 DEEP IN ITEM (5) $\frac{.2500}{.2503}$ DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).

PARTIAL SECTION A-A

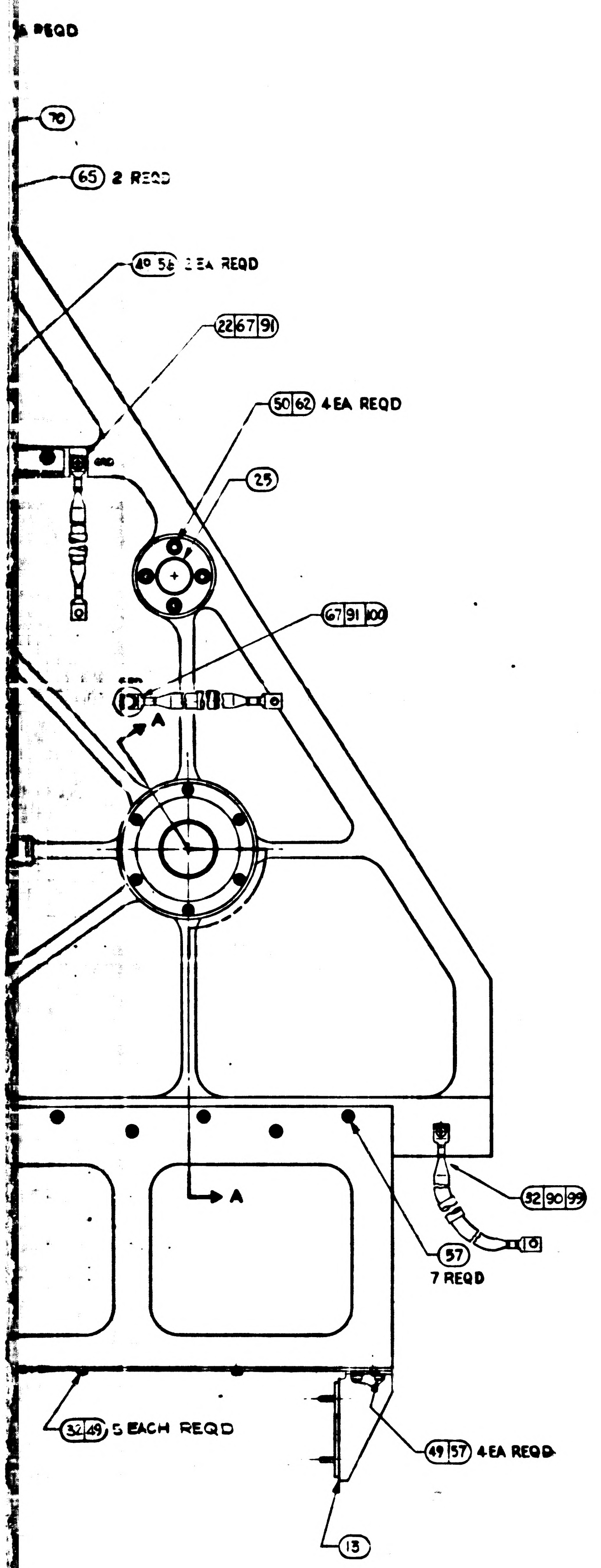


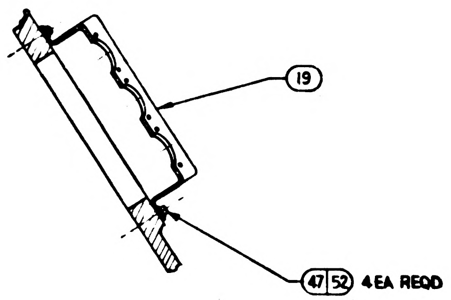
49 56 2 EA REQD
30 51 12 EA REQD
B
B
8
117
70
65 2 REQD
49 56 2 EA REQD
22 67 91
68
50 62 4 EA REQD
25
18
67 91 109
A
49 56
2 EA REQD
9
50 62
4EA REQD
A
25
7
32 49 5 EACH REQD
49 57
4 EA REQD
12
3

2H

2900673	REV LTR J	SH 1

172900673





PARTIAL SECTION B-B

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		031	021	011				
		1	—	—		118	2901617	BRACKET, MOUNTING RT. HAND
		1	—	—		117	2901616	BRACKET, SUPPORT UPPER
		1	—	—		116	2901618	BRACKET, MOUNTING ELEC. CONN.
		1	1	—		115	2901601	WIRE HARNESS B
		3	3	3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
		8	8	8		113	AN960C516L	(1897006-053) WASHER, FLAT
		8	8	8		112	MS35308-332	SCREW-CAP, HEX. HD
				~~6~~		~~111~~	~~MS16995-52~~	~~SCREW, CAP~~
		2	2	2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
		AR	AR	AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
		1	1	1		108	NAS 1057T3-050	(1896919-001) SPACER
		1	1	1		107	NAS 1057T3-100	(1896919-002) SPACER
		1	1	1		106	MS 16996-16	SCREW, CAP, HEX, SOCKET HD
		1	1	1		105	2900666	WIRE HARNESS E
		1	1	1		104	2900925	D
		1	1	1		103	2900924	C
		-	—	1		102	2900915	B
		1	1	1		101	2900753	WIRE HARNESS A
		1	1	1		100	2901141	LEAD, ELECTRICAL
		1	1	1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2		3	3	3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
		2	2	2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2		8	8	8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2		3	3	3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
		1	1	1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2		1	1	1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2		2	2	2		92	1897193-001	STRAP, RETAINING
		2	2	2		91	MS35333-74	WASHER, LOCK
		5	5	5		90	MS35333-73	WASHER, LOCK
		2	2	2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2		2	2	2		88	1008807-001	CLAMP, LOOP CUSHIONED
		-	-	~~12~~		~~87~~	~~MS16995-59~~	~~SCREW, CAP~~
		-	-	~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
		1	1	1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
		—	1	1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
		1	1	1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
		3	3	3		82	2900938	WHEEL, CABLE GUIDE
		8	8	8		81	MS16624-4075	RING, RETAINING
		8	8	8		80	AN960C1216L	(1897006-23) WASHER, FLAT
		1	1	1		79	2900939	SHAFT, CABLE GUIDE
		2	2	2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
		3	3	3		77	2900941	SCREW, CAP SOCKET HD
		1	1	1		76	2900942	CLAMP, CABLE, LOWER HALF
		1	1	1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
		2	2	2		74	MS21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2		5	5	5		73	1010400-11	CLAMP, LOOP HINGED
SEE NOTE 2		10	10	10		72	1010400-2	CLAMP, LOOP, HINGED
						71		
SEE NOTE 2		5	5	5		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2		7	7	7		69	1010400-1	CLAMP, LOOP, HINGED
		1	1	1		68	2900919	BRACKET, ELEC, CONNECTOR (INSEP ASSY)
SEE NOTE 2		2	2	2		67	1006783-56	SCREW, BUTTON HD
|		2	2	2		66	1006783-22	|
|		65	65	65		65	1006783-26	|
SEE NOTE 2		8	8	8		64	1006783-27	SCREW, BUTTON HD
						63		
		26	26	26		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
		6	6	6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
						60		
		17	17	17		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
		50	50	50		58	-12	|
		22	22	22		57	-11	|
		29	29	29		56	MS16996-10	|
		12	12	12		55	MS16995-28	|
		-	-	~~4~~		54	~~MS16995-27~~	~~SCREW CAP HEX SOCKET HD~~
						53		
		21	21	21		52	MS16995-25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2		56	56	56		51	1012525-002	NUT-HEX, LIGHT, THIN
		31	31	31		50	AN960C416	(1897006-042) WASHER, FLAT
		55	55	55		49	AN960C10	(1897006-017) WASHER, FLAT
		4	4	4		48	MS16555-648	PIN, STRAIGHT
		21	21	21		47	AN 960C8	(1897006-028) WASHER, FLAT
		2	2	2		46	MS172246	NUT, SPANNER
		1	1	1		45	1900635	GEAR, OUTPUT
		1	1	1		44	1900634	CAP, BEARING
		1	1	1		43	1900633	CAP, BEARING
		1	1	1		42	1900627	RETAINER, BEARING
		1	1	1		41	1900626	RETAINER, BEARING
		2	2	2		40	1900625	CARTRIDGE, BEARING
		2	2	2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2		2	2	2		38	1016093-001	PIN, STEP DOWEL
|		2	2	2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
|		8	8	8		36	1015826-403	SCREW, FLAT HD.
|		13	13	13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2		6	6	6		34	1010630-28	SCREW, FLAT HD.
		24	24	24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2		15	15	15		32	1006783-44	SCREW, BUTTON HD.
		6	6	6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2		56	56	56		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2		2	2	2		29	1006674-5	BOLT, EYE
		1	1	1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
		20	20	20		27	2900721	SPACER SLEEVE
		1	1	1		26	2900684-011	COLDPLATE, PEA
		2	2	2		25	2900651	SHAFT, SHOULDERED
		2	2	2		24	MS172211	WASHER, KEY, BEARING RETAINER
		1	1	1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
		1	1	1		22	2901139	LEAD, ELECTRICAL
		2	2	2		21	2900647	TRACK, SLIDING
SEE NOTE 2		3	3	3		20	1010400-7	CLAMP, LOOP, HINGED
		1	1	1		19	2900902	BRACKET, ELEC. CONNECTOR
		1	1	1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2		2	2	2		17	1010400-4	CLAMP, LOOP, HINGED
		1	1	1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
		1	1	1		15	2900893	PLATE, MOUNTING, R.H. (INSEP ASSY)
		1	1	1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
		1	1	1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
		1	1	1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
		1	1	1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
				~~10~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
		1	1	1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
		-	1	1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
		-	1	1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
		1	1	1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
		1	1	1		5	2900629	CRADLE, G&N FIXTURE, MATCHED
		1	1	1		4	2900612-021	COLDPLATE CGC/LGC
		1	1	1		3	2900611-011	COLDPLATE CDU
		1	1	1		2	2900499	SPACER, PEA
		14	14	14		1	2900430-002	SCREW, CAP, SOCKET HD

LIST OF PARTS AND MATERIALS

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised Per D.O. 61257		2 Jan 66	EF
B		Revised Per MXC 208364		21 Jan 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	JEG
D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 27721		66	NG
F		REVISED PER TDRR 28908		25 MAR 66	DHG CP
G		REVISED PER TDRR 29708		66	EF
H		REVISED PER TDRR 33556			
J		REVISED PER TDRR 35029			

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN G. A. Blaha 15 Oct 65 DATE
CHECKED Wilson 15 Oct 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

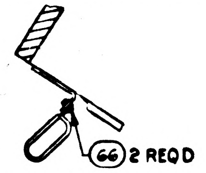
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK II

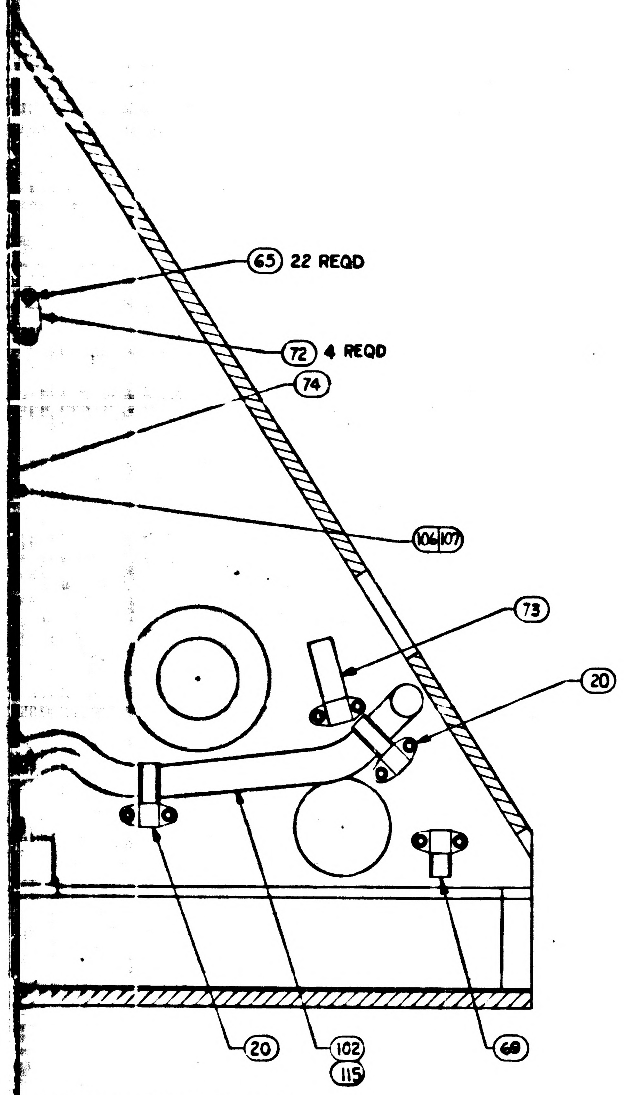
CODE IDENT NO. 99974
SIZE J_2
2900673
SCALE 1
SHEET

2900673 REV LTR J SH 1

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.Q. 6/251		2 JAN 65	EF
B		REVISED PER MXC 208364		21 JAN 66	JRC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 66	JJ
E		REVISED PER TDRR 27721		13 ... 66	
F		REVISION STATUS CHGD		23 MAY 66	DHG
G		REVISION STATUS CHANGED			
H		REVISED PER TDRR 33536			
J		REVISION STATUS CHANGED		68	



PARTIAL SECTION G-G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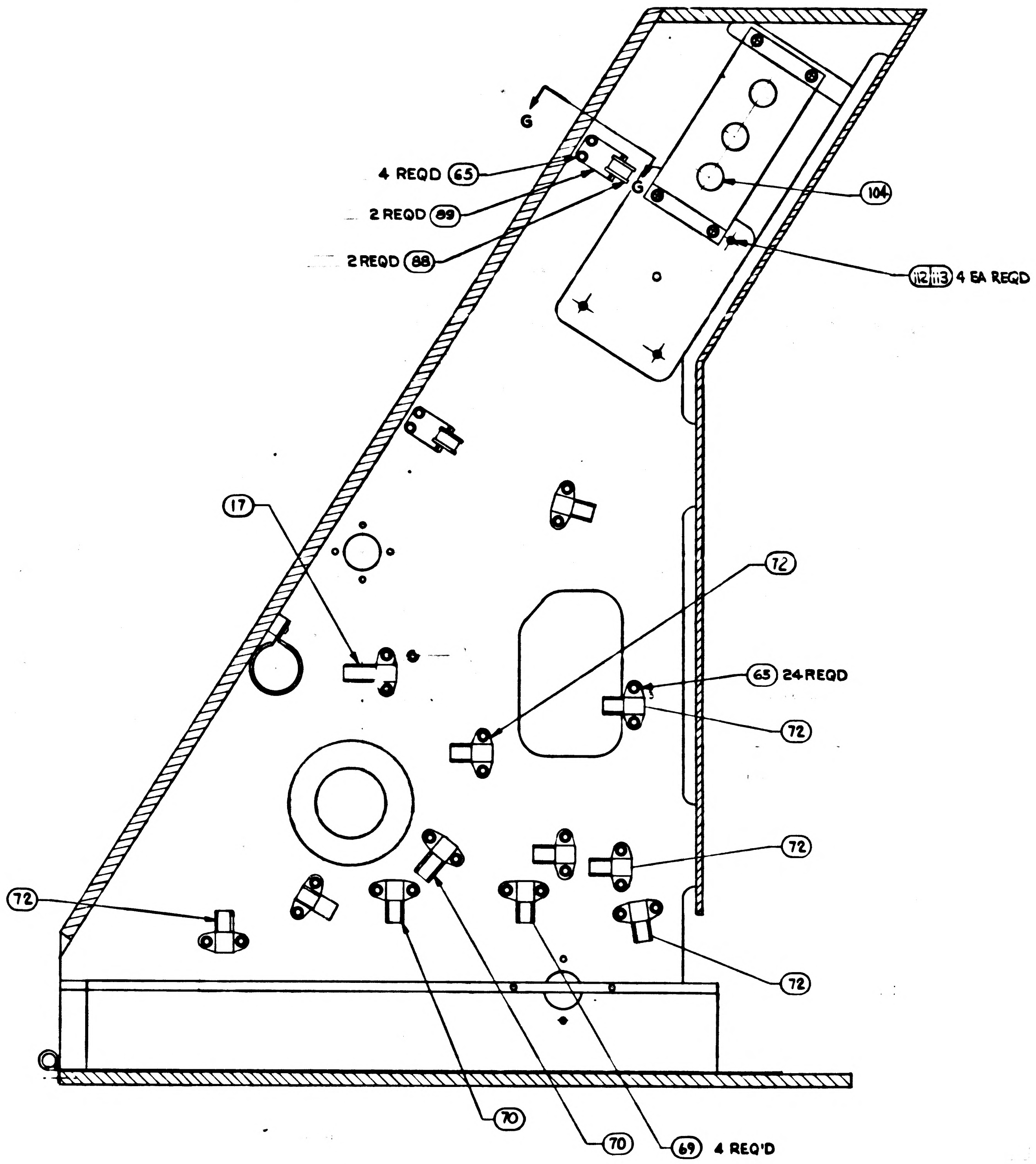
PARTIAL SECTION F-F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112 113 4 EA REQD
17
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65 24 REQD
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72
72
72
70
70
69 4 REQ'D

PARTIAL SECTION E-E

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. BECKER DATE 15 OCT 65
CHECKED C. WILSON 15 OCT 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A.C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
GEN FIXTURE BLOCK II

SIZE J2
CODE IDENT NO. 99974
2900673
SCALE 1:8
SHEET 3 OF 3

2900673 J
2900673

00673 REV LTR J SH 3

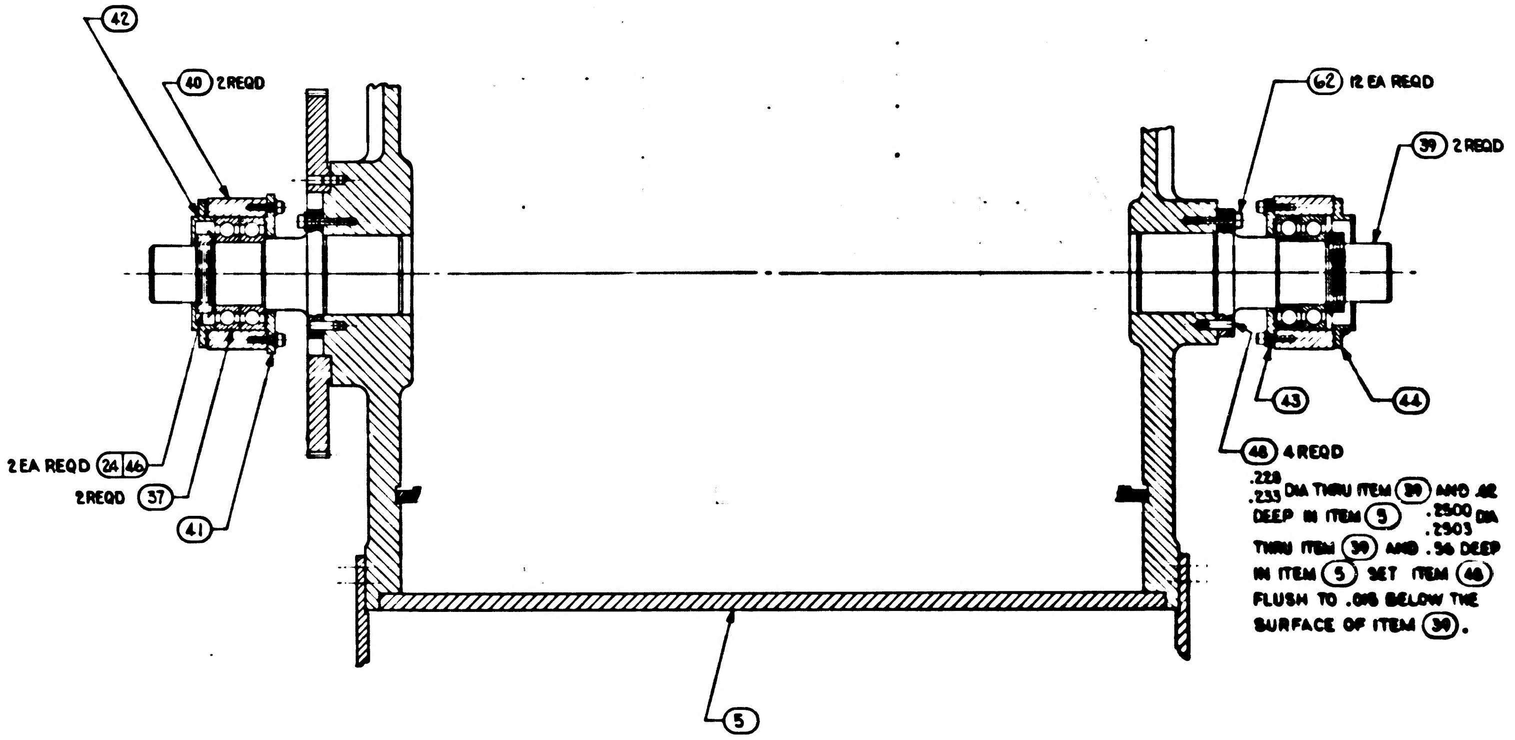
2/2900673

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

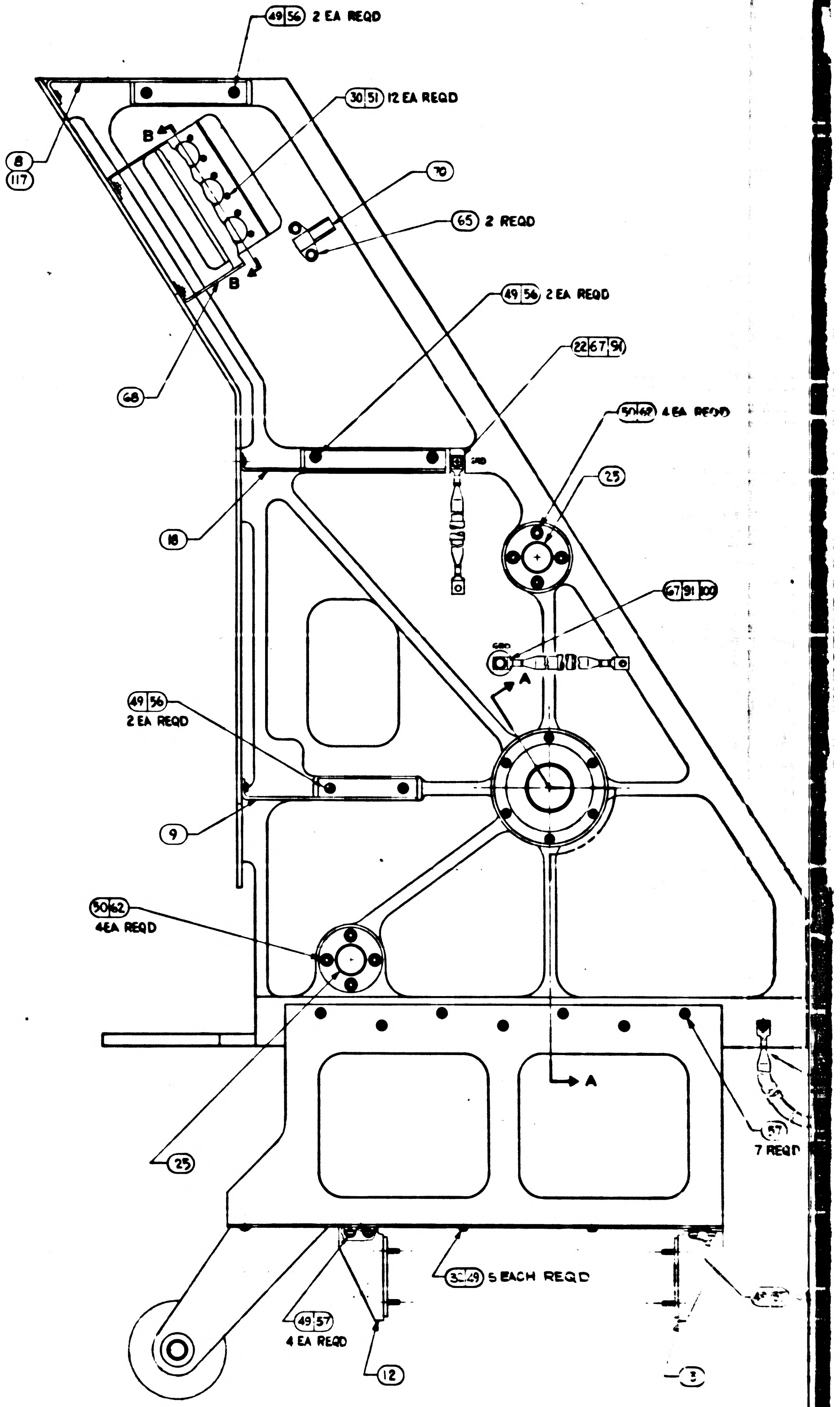
USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   - A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   - B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.


42
40 2 REQD
2 EA REQD 24 46
2 REQD 37
41
62 12 EA REQD
39 2 REQD
43
44
48 4 REQD
5

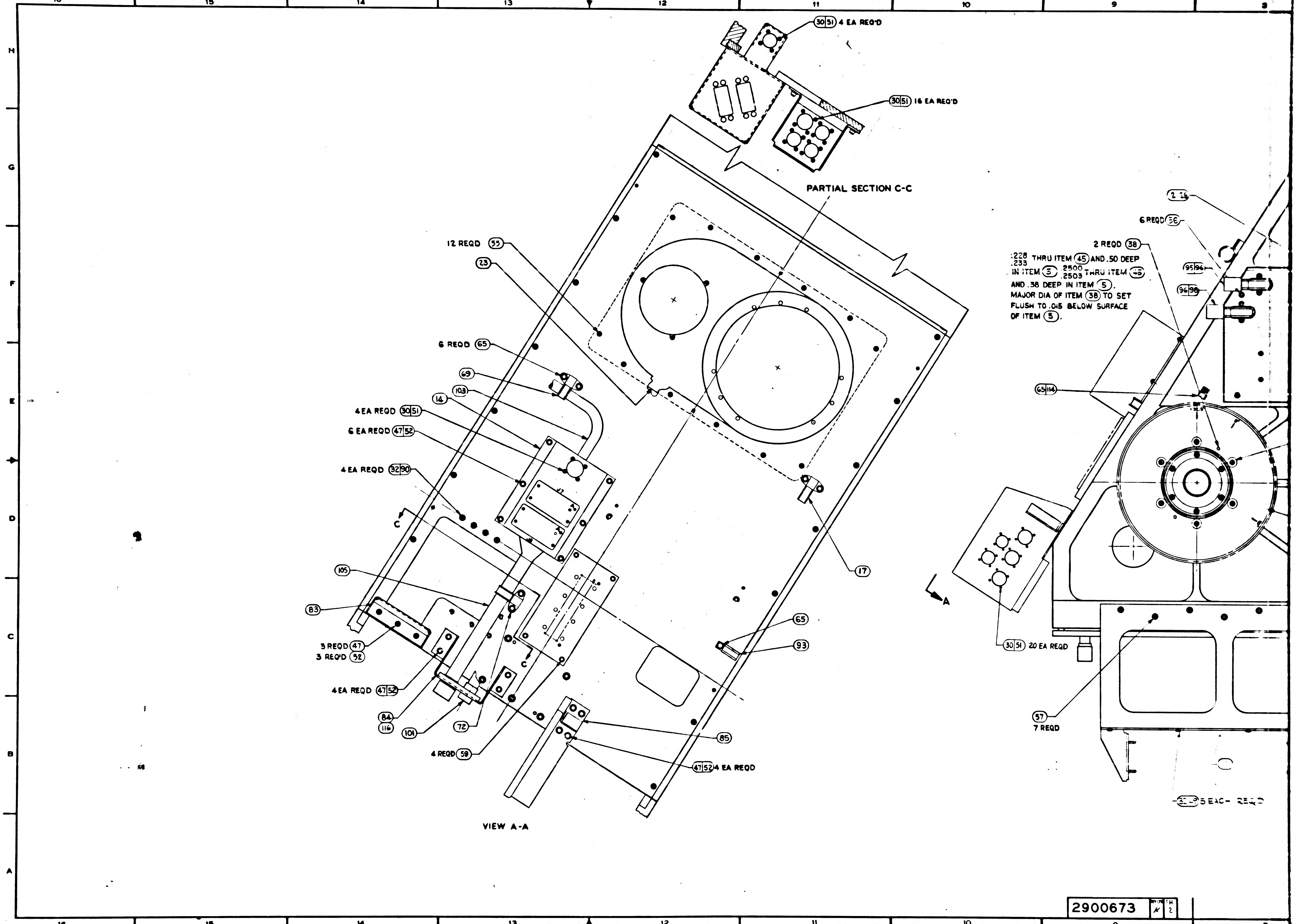
.228 / .233 DIA THRU ITEM (39) AND .42 DEEP IN ITEM (5) .2500 / .2503 DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).

PARTIAL SECTION A-A


49 56 2 EA REQD
30 51 12 EA REQD
B
B
8
117
70
65 2 REQD
49 56 2 EA REQD
22 67 91
68
50 62 4 EA REQD
25
18
67 91 100
A
49 56
2 EA REQD
9
50 62
4EA REQD
A
25
57
7 REQD
32 49 5 EACH REQD
49 57
4 EA REQD
12
3

2900673 REV K SH 1

1/2900673



16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
(30|51) 4 EA REQ'D
(30|51) 16 EA REQ'D
12 REQD (55)
(23)
6 REQD (65)
(69)
(103)
(14)
4 EA REQD (30|51)
6 EA REQD (47|52)
4 EA REQD (32|90)
C
C
(105)
(83)
3 REQD (47)
3 REQ'D (52)
4 EA REQD (47|52)
(84)
(116)
(101)
(72)
4 REQD (59)
(85)
(47|52) 4 EA REQD
(17)
(65)
(93)
(2|26)
6 REQD (36)
2 REQD (38)
(95|96)
(96|98)
(65|114)
A
(30|51) 20 EA REQD
(57)
7 REQD
(32|95) 5 EACH REQ'D

PARTIAL SECTION C-C

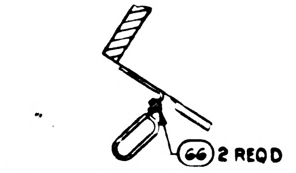
$.228/.233$ THRU ITEM (45) AND .50 DEEP IN ITEM (5). $.2500/.2503$ THRU ITEM (46) AND .38 DEEP IN ITEM (5). MAJOR DIA OF ITEM (38) TO SET FLUSH TO .015 BELOW SURFACE OF ITEM (5).

VIEW A-A

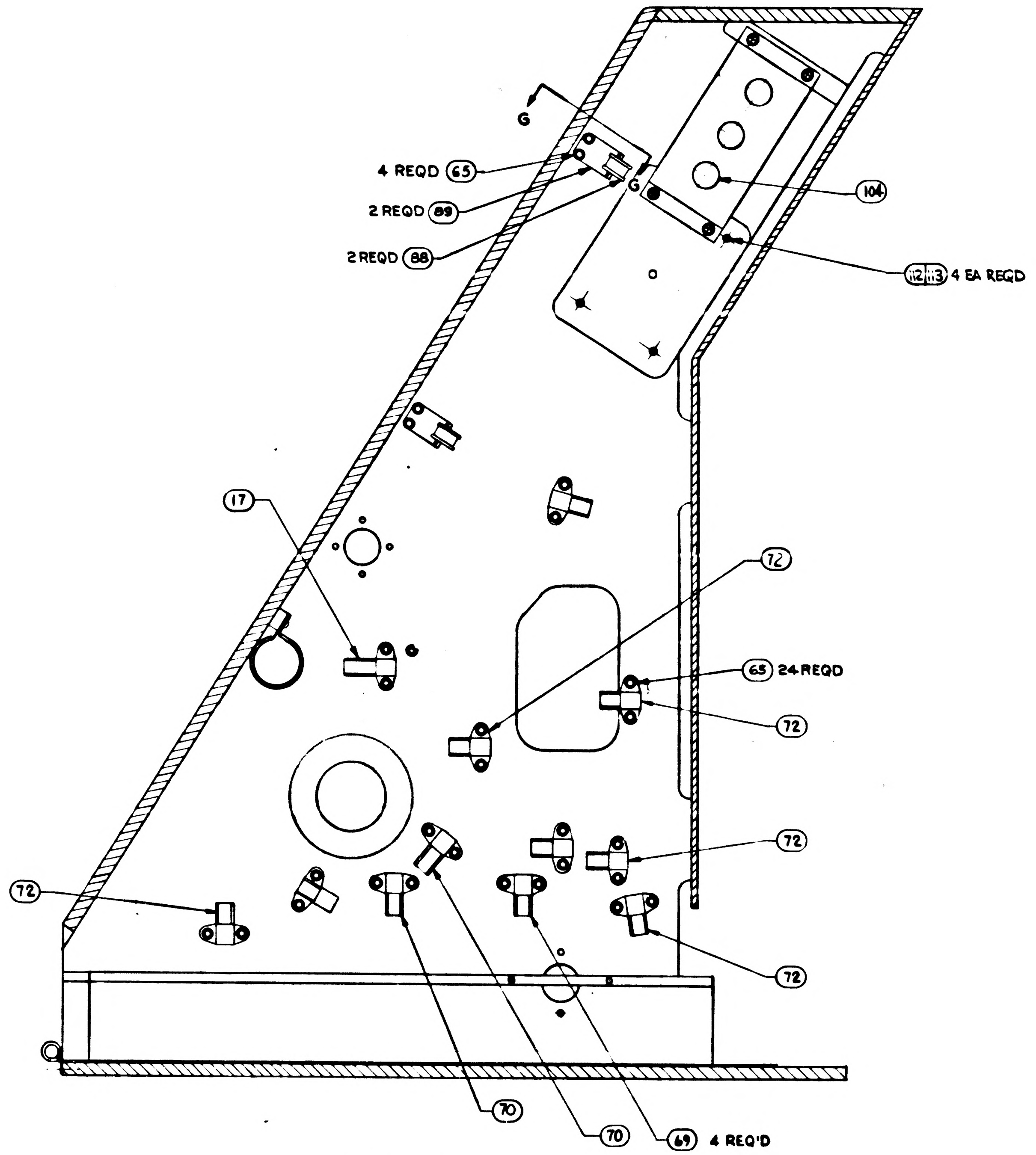
2900673 K SH 2

1-2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised per D.C. W261		2 Jan 65	[illegible]
B		REVISED PER MXC 208364		21 Jan 66	JRC
C		REVISED PER MXC 208955		10 Feb 66	[illegible]
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 Feb 66	[illegible]
E		REVISED PER TDRR 27721		3 Apr 66	[illegible]
F		REVISION STATUS CHGD		23 Mar 66	D-G
G		REVISION STATUS CHANGED		[illegible]	[illegible]
H		REVISED PER TDRR 3335_		[illegible]	[illegible]
J		REVISION STATUS CHANGED		20 [illegible] 68	[illegible]
K		REVISED PER TDRR 35457		3 [illegible] 68	[illegible]

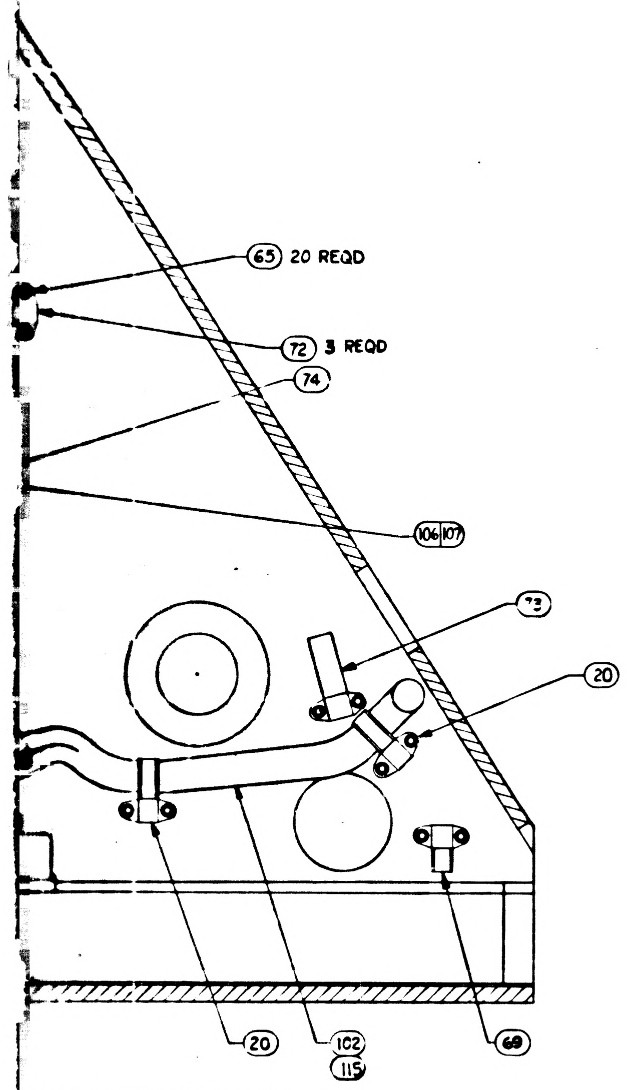


PARTIAL SECTION G-G



G
G
4 REQD 65
2 REQD 89
2 REQD 88
104
112 113 4 EA REQD
17
72
65 24 REQD
72
72
72
72
72
70
70
69 4 REQ'D

PARTIAL SECTION E-E



65 20 REQD
72 3 REQD
74
106 107
73
20
20
102
115
69

PARTIAL SECTION F-F

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ±
3 PLACE DECIMALS ±
ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. Becker DATE 15 OCT 65
CHECKED C. Wilson 15 OCT 65
APPROVAL [illegible]
CONTRACT NAS 9-497
NASA APPROVAL [illegible] Metzger
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
GEN FIXTURE BLOCK II

SIZE J2
CODE IDENT NO. 99974
2900673
SCALE 1:2
SHEET 3 OF 3

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 609	3		P79-E21 P82-F32	79 88				.12 .12	NO NO		49 49	
D 610	3		P83-E8 P83-F9	90 92				.12 .12	NO NO		49 49	
D 611	3		P83-E9 P83-F10	90 92				.12 .12	NO NO		49 49	
D 612	3		P83-E10 P83-F11	90 92				.12 .12	NO NO		49 49	
D 613	3		P83-E11 P83-F12	90 92				.12 .12	NO NO		49 49	
D 614	3		P83-E12 P83-F13	90 92				.12 .12	NO NO		49 49	
D 615	3		P71-B4 A2-32	64 183A				.12 .31	NO YES		49	
D 616	3		P74-E20 A2-30	84 183				.12 .31	NO YES		49	
D 617	3		P83-E16 P83-F17	90 92				.12 .12	NO NO		49 49	
D 618	3		P83-E17 P83-F18	90 92				.12 .12	NO NO		49 49	
D 619	3		P83-E18 P83-F19	90 92				.12 .12	NO NO		49 49	
D 620	3		P83-E15 P83-F16	90 92				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 139 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 621	3		P79-F2 TB2-20	80 133				.12 .19	NO NO		49 83	
D 622	3		P79-F32 TB2-23	80 135				.12 .19	NO NO		49 83	
D 623	3		E6-BB E17-B	1 33				.38 .38	NO NO			
D 624	3		XF15-1 K65-6	105 192				.31 .19	YES YES		 92	
D 625	3		K65-3 K65-6	192 192				.19 .19	YES YES		92	
D 626	3		K64-7 P82-F26	191 88				.19 .12	YES NO		92 49	
D 627	3		P83-F20 E17-B	92 33				.12 .38	NO NO		49	
D 628	1		J11-50/O K65-7	4 192				.23 .19	NO YES		~~51~~ 53, 54 92	
D 629	1		J11-50/I P79-E22	4 79				.22 .12	NO NO		50, 60, 58 49	
D 630	3		P1-B P79-E23	35 79				.31 .12	YES NO		72 49	
D 631	4		E27-BB TB3-~~6~~ 3	46 140				.38 .19	NO NO		 84	
D 632	3		E7-BB E17-B	7 33				.38 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /L	SHEET 140 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 633	3		E11-BB E17-B	17 33				.38 .38	NO NO			
D 634	3		E13-BB E12-B	25 26				.38 .38	NO NO			
D 635	3		E12-BB E17-B	26 13				.38 .38	NO NO			
D 636	4		E17-BB TB6-~~1~~ 2	33 ~~163~~ 162				.38 .19	NO NO		 84	
D 637	3		E8-BB E18-B	3 18				.38 .38	NO NO			
D 638	3		E9-BB TB4-4	6 153				.19 .38	NO NO		83	
D 639	3		E10-BB E18-B	16 18				.38 .38	NO NO			
D 640	4		E18-BB TB7-1	18 166				.38 .19	NO NO		 84	
D 641	3		E15-BB E14-B	32 34				.38 .38	NO NO			
D 642	4		E14-BB TB4-~~1~~ 2	34 ~~150~~ 151				.38 .19	NO NO		 84	
D 643	4		E16-BB TB5-1	30 157				.38 .19	NO NO		 84	
D 644	3		E19-BB E30-B	38 57				.38 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 141 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 645	3		E25-BB E30-B	51 57				.38 .38	NO NO			
D 647	4		E30-BB TB7-~~4~~ 5	57 ~~168~~ 170				.38 .19	NO NO		 84	
D 648	3		E21-BB E29-B	49 58				.38 .38	NO NO			
D 649	3		E28-BB E29-B	53 58				.38 .38	NO NO			
D 650	3		E23-BB E29-B	52 58				.38 .38	NO NO			
D 651	3		E24-BB E29-B	59 58				.38 .38	NO NO			
D 652	4		E20-BB TB5-5	24 ~~161~~ 160				.38 .19	NO NO		 84	
D 653	4		E29-BB TB6-2	58 162				.38 .19	NO NO		 84	
D 654	3		J27-P E20-B	19 24				.22 .38	NO NO		61	
D 655	3		A2-10 P79-F15	180 80				.31 .12	YES NO		 49	
D 656	3		A2-14 P79-F16	180B 80				.31 .12	YES NO		 49	
D 657	3		P1-A P80-B31	35 67				.31 .12	YES NO		72 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 142 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 115A	1		SHLD E115 E67	 57				.25 .38	NO NO			
E 115L			K25-9 P74-B24	19 101				.31 .12	YES NO		12 13	
E 115R			K25-12 P74-B23	19 101				.31 .12	YES NO		12 13	
E 116	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 116A	1		SHLD E116 E67	 57				.25 .38	NO NO			
E 116L			K25-11 P75-C22	19 103				.31 .12	YES NO		12 13	
E 116R			K25-14 P75-C21	19 103				.31 .12	YES NO		12 13	
E 117	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 117A	1		SHLD E117 E67	 57				.25 .38	NO NO			
E 117L			K25-4 P75-C24	19 103				.31 .12	YES NO		12 13	
E 117R			K25-7 P75-C23	19 103				.31 .12	YES NO		12 13	
E 118	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	

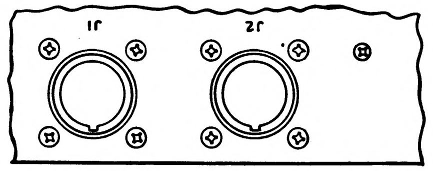
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 118A	1		SHLD E118 E67	 57				.25 .38	NO NO			
E 118L			K25-5 P75-C29	19 103				.31 .12	YES NO		12 13	
E 118R			K25-8 P75-C31	19 103				.31 .12	YES NO		12 13	
E 119	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 119A	1		SHLD E119 E67	 57				.25 .38	NO NO			
E 119L			K25-3 P74-B22	19 101				.31 .12	YES NO		12 13	
E 119R			K25-6 P74-B21	19 101				.31 .12	YES NO		12 13	
E 120	2		K28-2 P75-C19	20 103				.31 .12	YES NO		12 13	
E 121	2		K28-3 P75-C18	20 103				.31 .12	YES NO		12 13	
E 122	2		K28-4 P75-C17	20 103				.31 .12	YES NO		12 13	
E 123	2		K28-4 P71-A4	20 96				.31 .12	YES NO		12 13	
E 124	2		K28-11 P82-A32	20 91				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 125	2		K29-4 P74-B20	21 101				.31 .12	YES NO		12 13	
E 126	2		K29-11 P82-B32	21 92				.31 .12	YES NO		12 13	
E 127	2		K29-6 P82-C32	21 93				.31 .12	YES NO		12 13	
E 128	2		K29-3 P79-B27	21 86				.31 .12	YES NO		12 13	
E 129	2		K29-1 P79-B28	21 86				.31 .12	YES NO		12 13	
E 130	2		K29-5 P70-A22	21 95				.31 .12	YES NO		12 13	
E 131	2		K29-9 P71-A31	21 96				.31 .12	YES NO		12 13	
E 132	2		K29-10 P71-A5	21 96				.31 .12	YES NO		12 13	
E 133	2		K30-4 P74-B19	22 101				.31 .12	YES NO		12 13	
E 134	2		K30-11 P82-D32	22 94				.31 .12	YES NO		12 13	
E 135	5				3.30 3.80	3.00 3.50				A,6A B,7	25, 11 11	
E 135A	1		SHLD E135 E68	 58				.25 .38	NO NO			

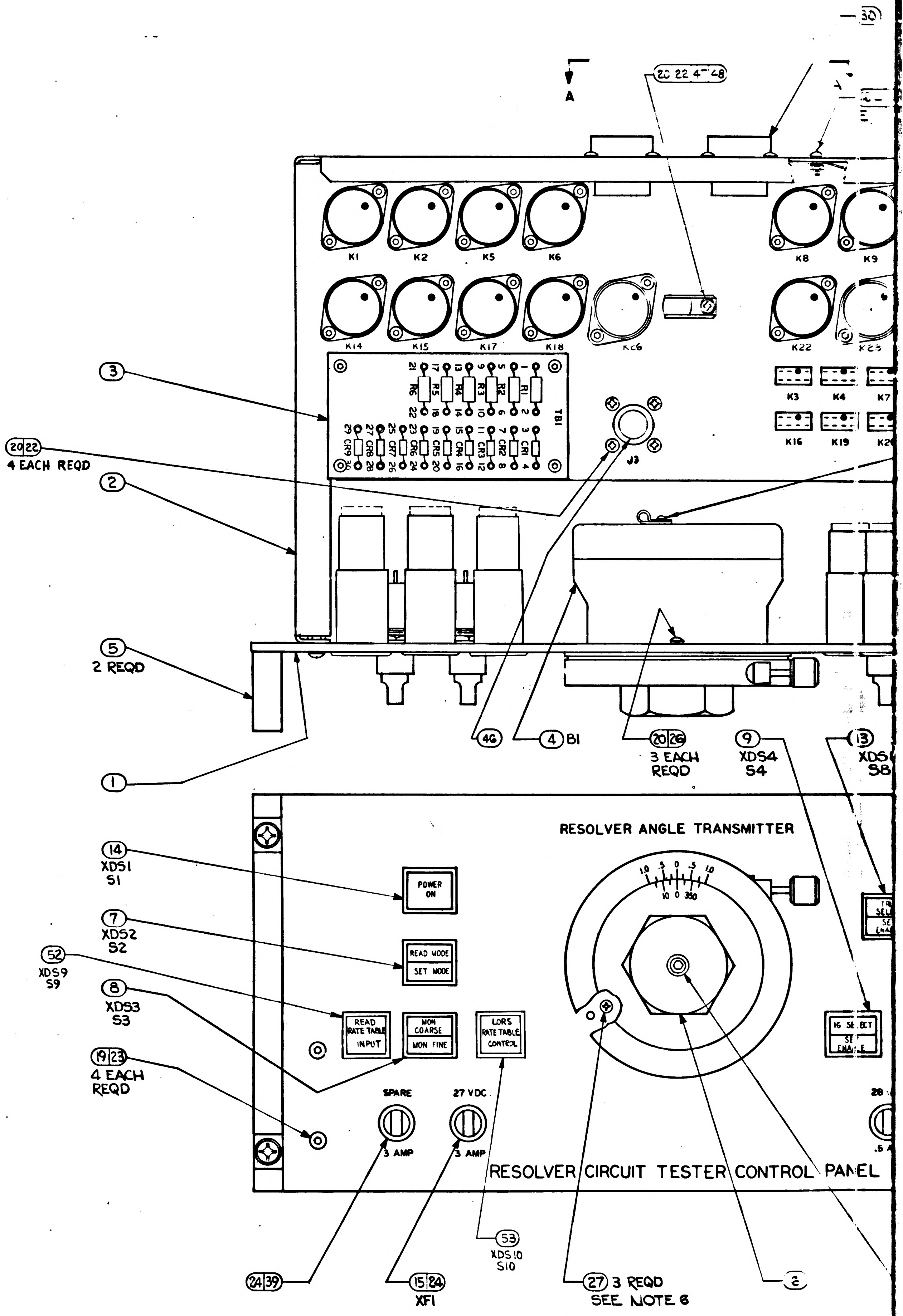
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 135L			K30-7 P75-C26	22 103				.31 .22	YES NO		12 24	
E 135R			K30-8 P75-C25	22 103				.31 .22	YES NO		12 24	
E 135Y			K30-1 P75-C27	22 103				.31 .22	YES NO		12 24	
E 136	5				3.30 3.80	3.00 3.50				A,6A B,7	25, 11 11	
E 136A	1		SHLD E136 E68	 58				.25 .38	NO NO			
E 136L			K30-6 P76-C29	22 104				.31 .22	YES NO		12 24	
E 136R			K30-9 P76-C28	22 104				.31 .22	YES NO		12 24	
E 136Y			K30-2 P76-C30	22 104				.31 .22	YES NO		12 24	
E 137	5				3.30 3.80	3.00 3.50				A,6A B,7	25, 11 11	
E 137A	1		SHLD E137 E68	 58				.25 .38	NO NO			
E 137L			K30-5 P74-B27	22 101				.31 .22	YES NO		12 24	
E 137R			K30-10 P74-B26	22 101				.31 .22	YES NO		12 24	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM ㉟ IN ACCORDANCE WITH ND 1002023. CHARACTERS TO BE .06 HIGH.
3. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH COLOR BLACK.
4. MARK WEIGHT OF ASSEMBLY PER ND 1002123.
5. SOLDER PER MIL-S-6872 (ES2105-1) USING ITEM ㉜ OR ITEMS ㉝ AND ㉞.
6. APPLY ITEM (37) TO THE THREADS OF ITEMS ㉗ AND ㉙ PER ND 1002211.
7. VENDOR ITEM, SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8. ADJUSTMENT SCREW FOR ELECTRICAL ZEROING OF RESOLVER. ELECTRICAL AND MECHANICAL ZERO TO BE WITHIN ONE DEGREE ON THE 1X RESOLVER WINDING.



PARTIAL VIEW A-A


30
A
20 22 47 48
K1
K2
K5
K6
K8
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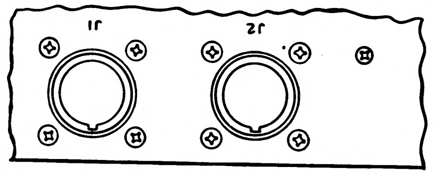
K14
K15
K17
K18
K26
K22
K23
K3
K4
K7
K16
K19
K20
TB1
J3
3
20 22
4 EACH REQD
2
5
2 REQD
1
46
4 B1
20 26
3 EACH REQD
9
XDS4
S4
13
XDS
S8
RESOLVER ANGLE TRANSMITTER
14
XDS1
S1
POWER ON
7
XDS2
S2
READ MODE
SET MODE
52
XDS9
S9
8
XDS3
S3
READ RATE TABLE INPUT
MON COARSE
MON FINE
LORS RATE TABLE CONTROL
19 23
4 EACH REQD
SPARE
27 VDC
3 AMP
3 AMP
RESOLVER CIRCUIT TESTER CONTROL PANEL
24 39
15 24
XF1
53
XDS10
S10
27 3 REQD
SEE NOTE 8
2

2900770

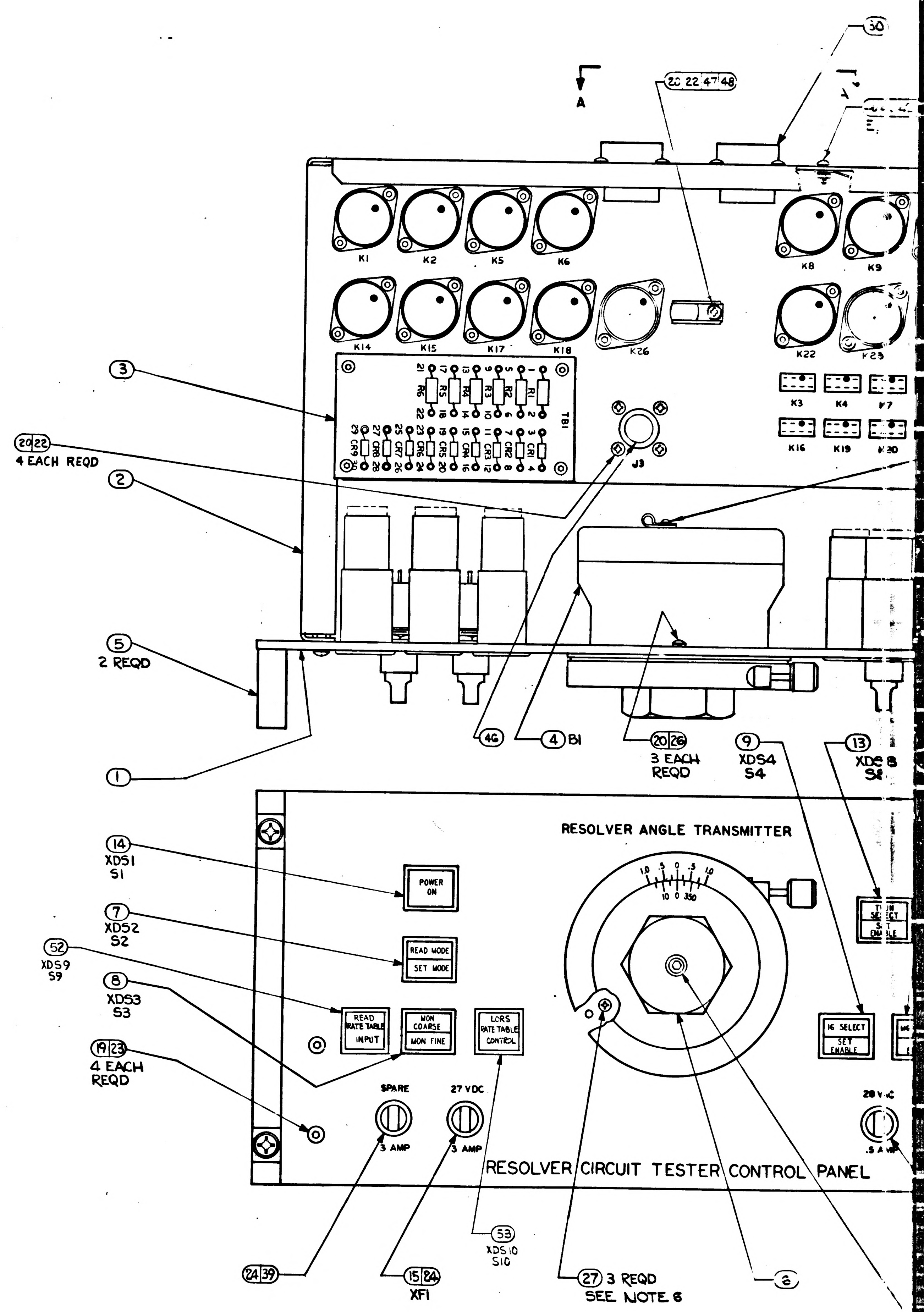
1/2900770

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM ㉟ IN ACCORDANCE WITH ND 1002023. CHARACTERS TO BE .06 HIGH.
3. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH COLOR BLACK.
4. MARK WEIGHT OF ASSEMBLY PER ND 1002123.
5. SOLDER PER MIL-S-6872 (ES2105-1) USING ITEM ㉜ OR ITEMS ㉝ AND ㉞.
6. APPLY ITEM ㊲ TO THE THREADS OF ITEMS ㉗ AND ㉙ PER ND 1002211.
7. VENDOR ITEM, SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8. ADJUSTMENT SCREW FOR ELECTRICAL ZEROING OF RESOLVER. ELECTRICAL AND MECHANICAL ZERO TO BE WITHIN ONE DEGREE ON THE 1X RESOLVER WINDING.



PARTIAL VIEW A-A



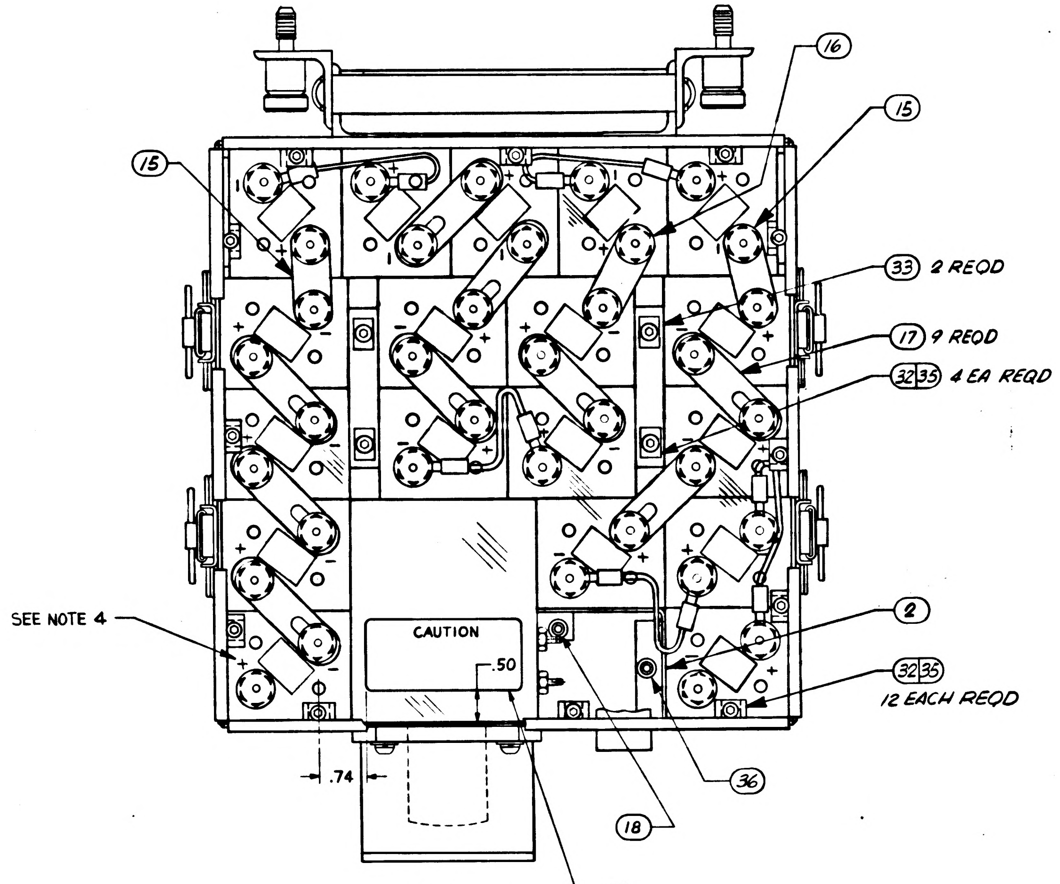
30
20 22 47 48
A
K1
K2
K5
K6
K8
K9
K14
K15
K17
K18
K26
K22
K23
3
TB1
R1
R2
R3
R4
R5
R6
CR1
CR2
CR3
CR4
CR5
CR6
CR7
CR8
CR9
J3
K3
K4
K7
K16
K19
K20
20 22
4 EACH REQD
2
5
2 REQD
1
46
4 B1
20 26
3 EACH REQD
9
XDS4
S4
13
XDS8
S8
RESOLVER ANGLE TRANSMITTER
14
XDS1
S1
POWER ON
7
XDS2
S2
READ MODE
SET MODE
52
XDS9
S9
8
XDS3
S3
READ RATE TABLE INPUT
MON COARSE
MON FINE
LCRS RATE TABLE CONTROL
19 23
4 EACH REQD
SPARE
3 AMP
27 VDC
3 AMP
28 VAC
.5 AMP
16 SELECT
SET ENABLE
RESOLVER CIRCUIT TESTER CONTROL PANEL
24 39
15 24
XF1
53
XDS10
S10
27 3 REQD
SEE NOTE 6
6

2900770 D

1/2900770

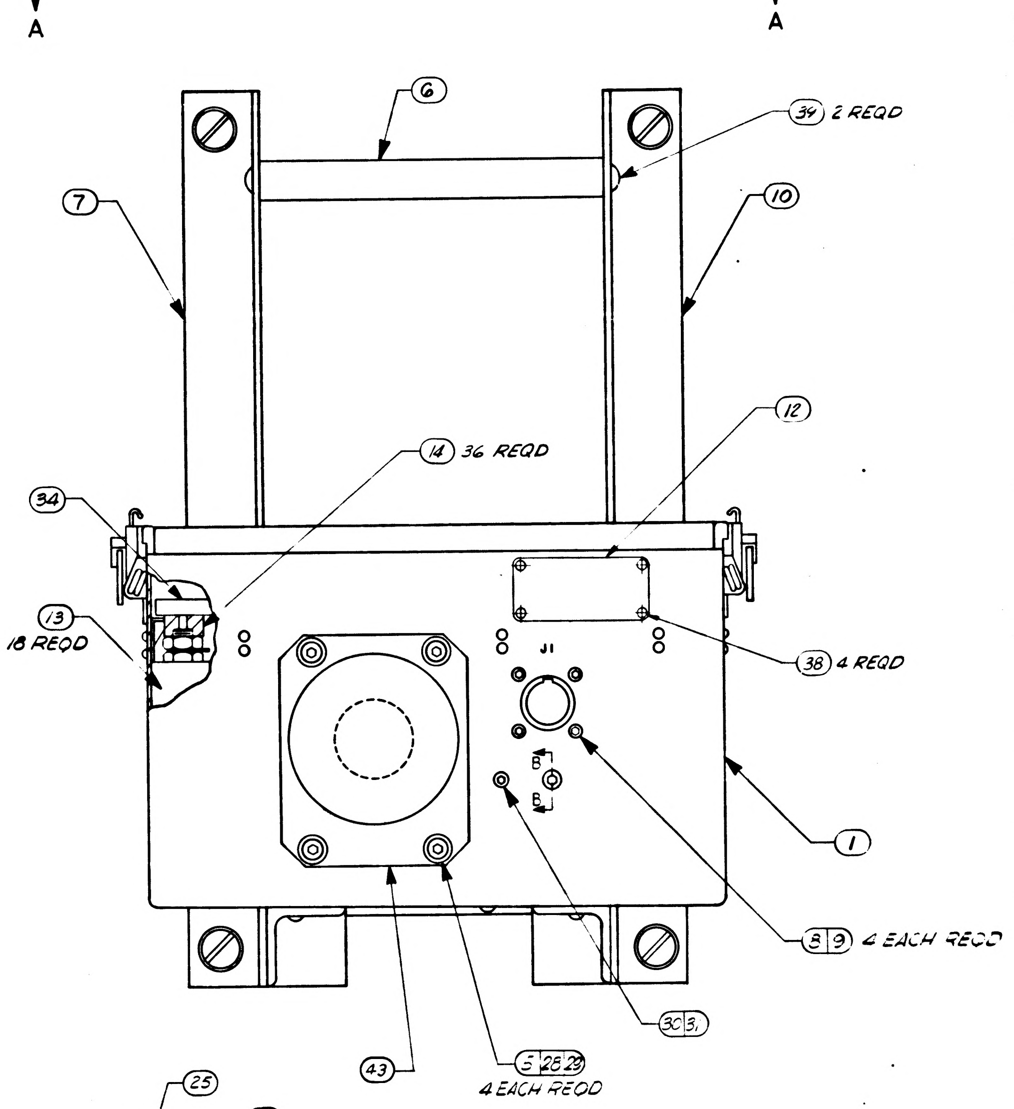
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. DRAWING FOR REFERENCE:
   SCHEMATIC DIAGRAM 2900811
4. AT ASSEMBLY OF BATTERIES, ITEM (13), INTO CASE, ITEM (1), BATTERIES MUST BE ORIENTED FOR POLARITY AS SHOWN.
5. FOR REPLACEMENT BATTERIES, PART NUMBER 1897339-003 MAY BE USED.

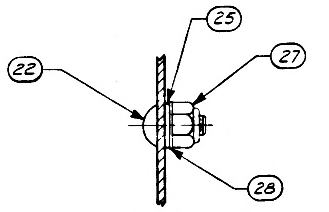


15
16
15
33 2 REQD
17 9 REQD
32 35 4 EA REQD
SEE NOTE 4
CAUTION
.50
2
32 35
12 EACH REQD
.74
36
18
26

VIEW A-A



A
A
6
34 2 REQD
7
10
12
14 36 REQD
34
13
18 REQD
J1
B
B
38 4 REQD
1
8 9 4 EACH REQD
30 31
43
5 28 29
4 EACH REQD



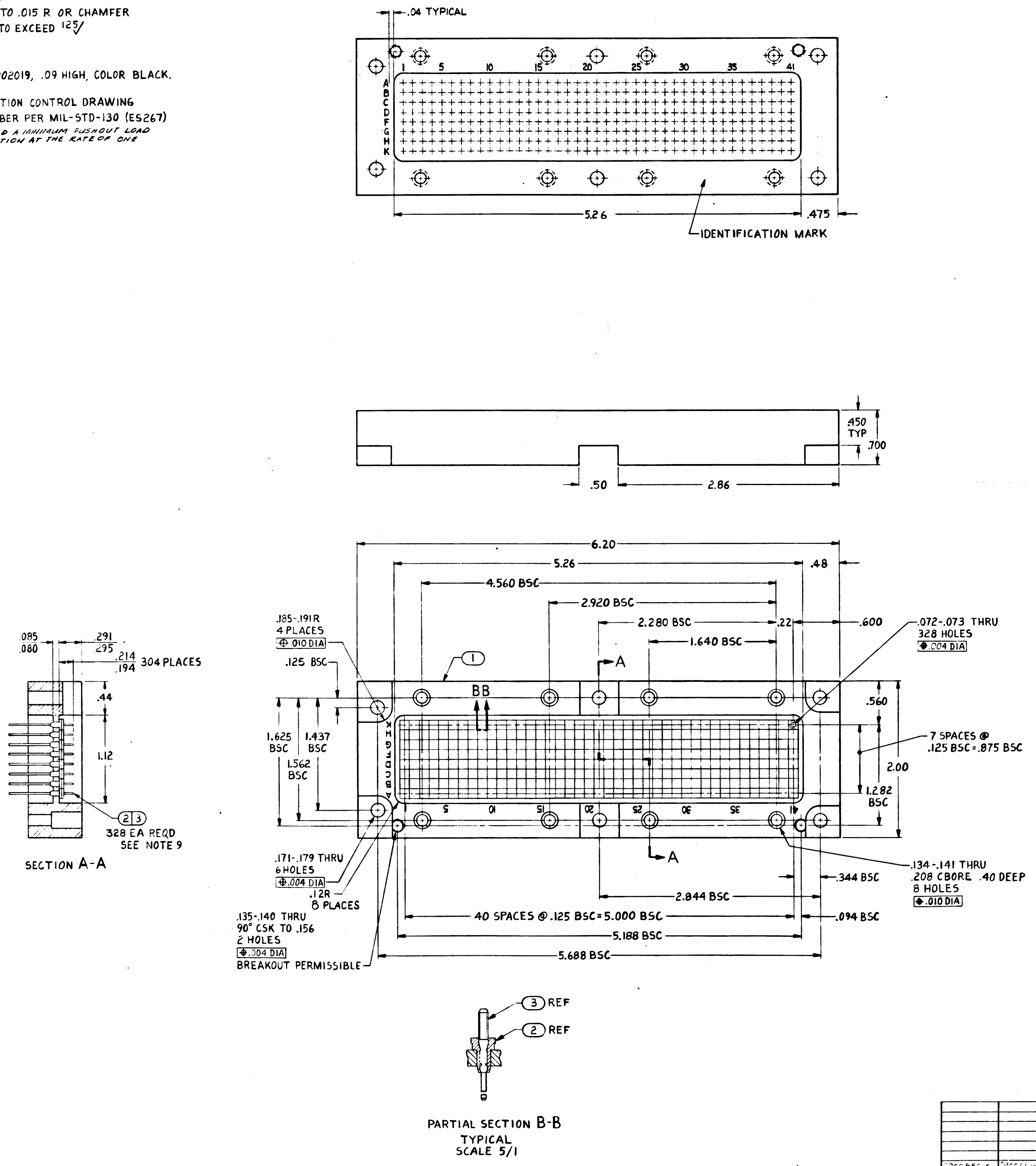
SECTION B-B
SCALE 2:1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. MATERIAL: QQ-A-250/11, TEMPER T651 AL ALY,(6061, ES2106)
3. FINISH: MIL-A-8625, TYPE I (ANODIZE, ES385)
4. UNLESS OTHERWISE SPECIFIED:
   - A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER
   - B. SURFACE ROUGHNESS NOT TO EXCEED 125√
5. MUST BE FREE FROM BURRS
6. MARK CHARACTERS PER ND 1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN
7. VENDOR ITEM- SEE SPECIFICATION CONTROL DRAWING
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267)
9. THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	[illegible]	REVISED PER MXC 207208		1 DEC 65	[illegible]
	B	INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	[illegible]



.04 TYPICAL
1
5
10
15
20
25
30
35
41
A
B
C
D
E
F
G
H
K
5.26
.475
IDENTIFICATION MARK
.450 TYP
.700
.50
2.86
6.20
5.26
.48
4.560 BSC
2.920 BSC
2.280 BSC
.22
.600
1.640 BSC
.185-.191R
4 PLACES
⊕ .010 DIA
.125 BSC
①
A
BB
.072-.073 THRU
328 HOLES
⊕ .004 DIA
.560
1.625 BSC
1.437 BSC
1.562 BSC
7 SPACES @ .125 BSC=.875 BSC
2.00
1.282 BSC
A
.171-.179 THRU
6 HOLES
⊕ .004 DIA
.12R
8 PLACES
.135-.140 THRU
90° CSK TO .156
2 HOLES
⊕ .004 DIA
BREAKOUT PERMISSIBLE
2.844 BSC
.344 BSC
.134-.141 THRU
.208 CBORE .40 DEEP
8 HOLES
⊕ .010 DIA
40 SPACES @ .125 BSC=5.000 BSC
.094 BSC
5.188 BSC
5.688 BSC
.085
.080
.291
.295
.214
.194
304 PLACES
.44
1.12
②③
328 EA REQD
SEE NOTE 9
③ REF
② REF

SECTION A-A

PARTIAL SECTION B-B
TYPICAL
SCALE 5/1

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7	3	328	1897262-002	CONTACT, ELECTRICAL-MALE
SEE NOTE 7	2	328	1897264	INSULATOR, BUSHING-MALE
SEE NOTE 2&3	1	1	2900838-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900854-0	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+	±.005	+
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN DATE 3 OCT 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

BASE
ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO 99974
SIZE E
2900838
SCALE 2/1
SHEET

1

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV - WITH CHANGE PER MXC-209981	16-MAR-66	B.
B	REVISED PER MXC 210056	APR 66	JJJ
C	INITIAL RELEASE CLASS A PER TDRR 28579	2-MAY 66	CM

REV																								
SHEET																								
REV STATUS	REV		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Parks DATE 10DEC65
CHECKED 10JAN66
APPROVAL 11 Jan66
APPROVAL 5/3/66

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W501

CODE IDENT NO.	SIZE		REV
99974	A	2900947	C
SCALE —		SHEET 1 OF 22	

APPLICATION	
NEXT ASSY	USED ON
2900060-01	2900060-01

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 24042	20 OCT 65	RLP / CW
B	REVISED PER TDRR 25431	27 JAN 66	RLP

8 Oct 65

REV STATUS OF SHEETS	REV	B	B	B	B	B	B	B
	SHEET	1	2	3	4	5	6	7

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN 29 SEP 65 DATE
CHECKED J. GRIBB 6 OCT 65
APPROVAL 8 OCT 65
APPROVAL 10/20/65

NASA APPROVAL A. C. METZGER
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

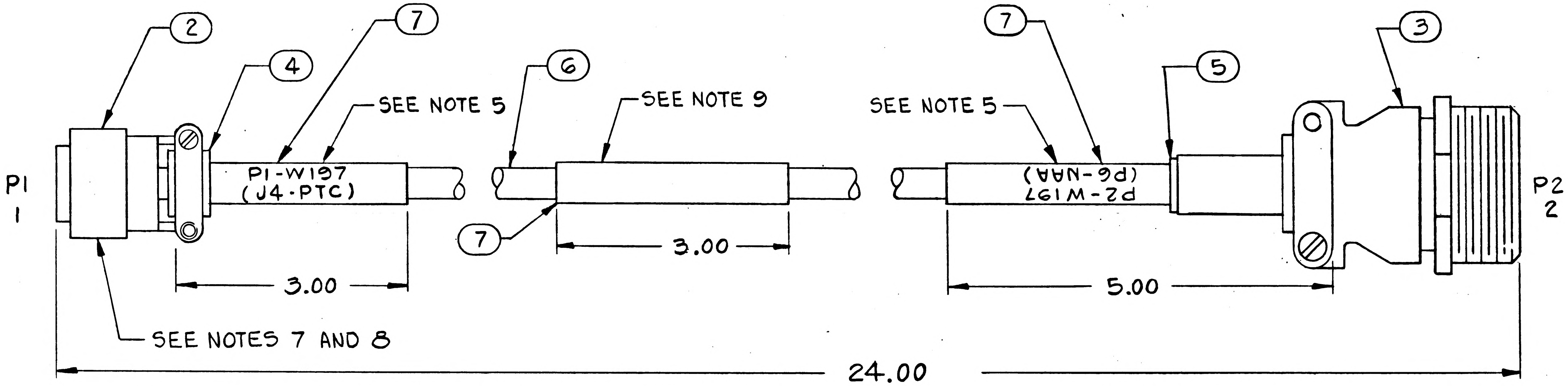
CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL -
W 197

CODE IDENT NO.	SIZE		REV
99974	A	2900862	B

SCALE —

SHEET 1 OF 7

REVISIONS 24042					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



P1
1
2
4
7
SEE NOTE 5
P1-W197
(J4-PTC)
3.00
SEE NOTES 7 AND 8
6
7
SEE NOTE 9
3.00
7
SEE NOTE 5
5
3
P2-W197
(P6-NAA)
5.00
P2
2
24.00

2900060-011	2900060-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.25 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Orzel DATE 29 SEP 65
CHECKED J. GRIEB 6 OCT 65
APPROVAL 8 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL —
W 197

CODE IDENT NO. 99974
SIZE
2900862
SCALE FULL
SHEET 7 OF 7

CABLE ASSEMBLY W198 2900863 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-A	1				.25	YES			
			P2-14	2				.20	NO		12	
A	2	1	P1-Z	1				.25	YES			
			P2-15	2				.20	NO		12	
A	3	1	P1-A*	1				.25	YES			
			P2-16	2				.20	NO		12	
A	4	1	P1-D	1				.25	YES			
			P2-17	2				.20	NO		12	
A	5	1	P1-C	1				.25	YES			
			P2-18	2				.20	NO		12	
A	6	1	P1-J	1				.25	YES			
			P1-L	1				.25	YES			
A	7	1	P1-L	1				.25	YES			
			P2-6	2				.20	NO		12	
A	8	1	P1-X	1				.25	YES			
			P1-V	1				.25	YES			
A	9	1	P1-V	1				.25	YES			
			P2-7	2				.20	NO		12	
A	10	1	P1-K	1				.25	YES			
			P1-I	1				.25	YES			
A	11	1	P1-K	1				.25	YES			
			P2-8	2				.20	NO		12	
A	12	1	P1-U	1				.25	YES			
			P1-W	1				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900863
SCALE-NONE	REV LTR C	SHEET 5 OF 7

MIL 2084 9-65

CABLE ASSEMBLY W198 2900863

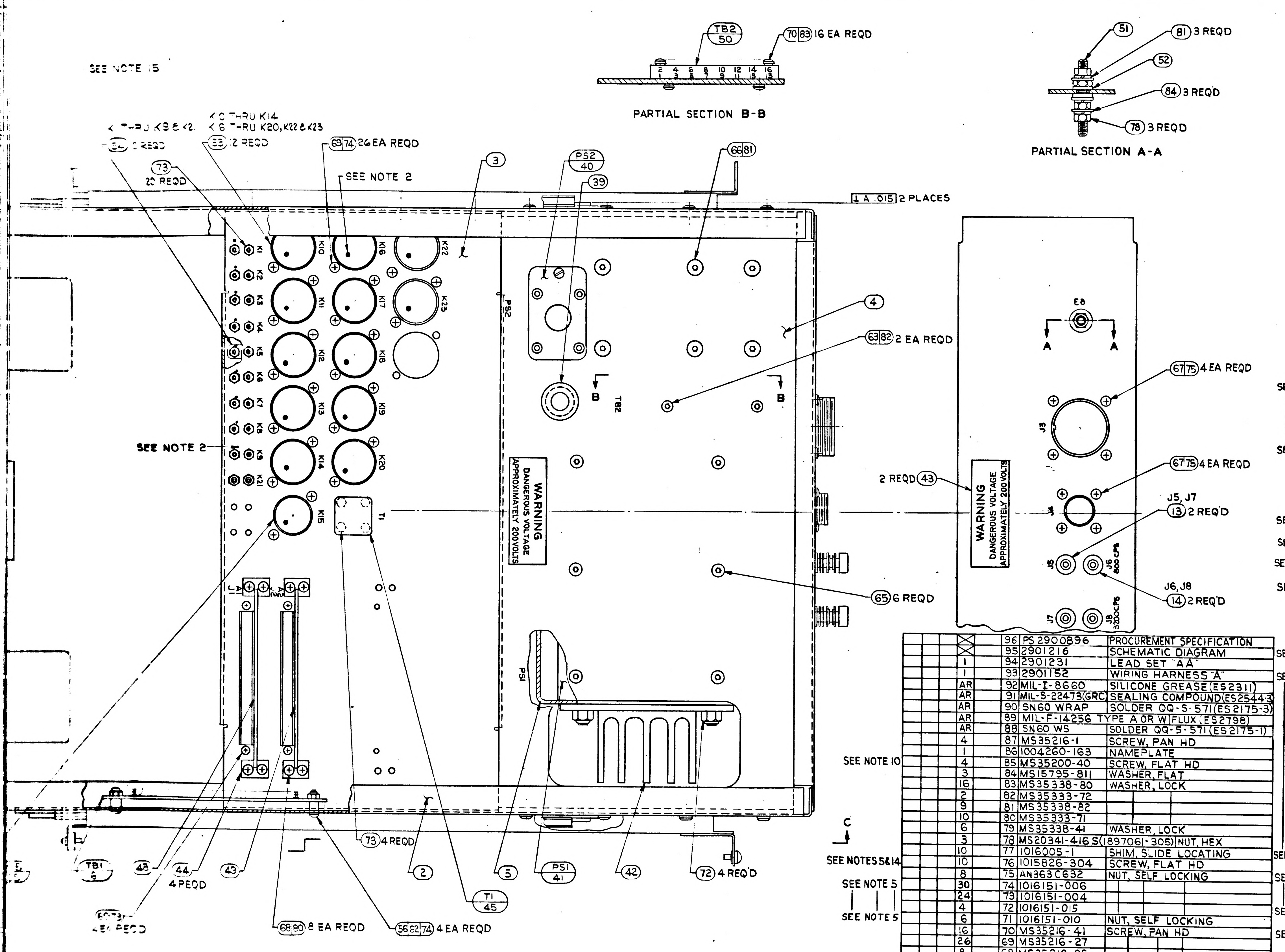
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1	P1-U	1				.25	YES			
			P2-9	2				.20	NO		12	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900863
SCALE - NONE	REV LTR C	SHEET 6 OF 7

MIL 2084 4-63

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
G		REPLACES REVISION F WITH CHANGE PER MXC 209835 WAS 'D' SIZE NORD DRAWING		10 MAR 66	R / AU
H		REVISED PER MXC 210029		16 MAR 66	RP
J		REVISED PER MXC 210087		3 MAR 66	R
K		REVISED PER MXC 210450		7-APR-66	B.
L		REVISED PER MXC 211205		2 APR 66	
M		REVISED PER MXC 211967		3 MAY 66	LGC
N		INITIAL RELEASE CLASS A PER TDRR 28657		3-MAY 66	B.

REVISIONS


SEE NOTE 15
K1 THRU K9 & K21
K10 THRU K14
K16 THRU K20, K22 & K23
34 6 REQD
33 12 REQD
73 20 REQD
69 74 26 EA REQD
SEE NOTE 2
3
TB2 50
70 83 16 EA REQD
PARTIAL SECTION B-B
51
81 3 REQD
52
84 3 REQD
78 3 REQD
PARTIAL SECTION A-A
PS2 40
39
66 81
1 A .015 2 PLACES
4
63 82 2 EA REQD
67 75 4 EA REQD
E8
A
B
TB2
PS2
J3
J4
J5, J7
13 2 REQ'D
J6, J8
14 2 REQ'D
J5
J6 800 CPS
J7
J8 3200 CPS
K1 K2 K3 K4 K5 K6 K7 K8 K9 K21
K10 K11 K12 K13 K14 K15
K16 K17 K18 K19 K20
K22 K23
T1
PS1
WARNING DANGEROUS VOLTAGE APPROXIMATELY 200 VOLTS
2 REQD 43
SEE NOTE 2
65 6 REQD
C
73 4 REQD
TB1 6
48
44 4 REQD
43
60 73 4 EA REQD
68 80 8 EA REQD
56 62 74 4 EA REQD
2
T1 45
5
PS1 41
42
72 4 REQ'D

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				X		96	PS 2900896	PROCUREMENT SPECIFICATION
				X		95	2901216	SCHEMATIC DIAGRAM
				1		94	2901231	LEAD SET "AA"
				1		93	2901152	WIRING HARNESS "A"
				AR		92	MIL-I-8660	SILICONE GREASE (ES2311)
				AR		91	MIL-S-22473(GRC)	SEALING COMPOUND (ES2544-3)
				AR		90	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		89	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		88	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				4		87	MS35216-1	SCREW, PAN HD
				1		86	1004260-163	NAMEPLATE
SEE NOTE 10				4		85	MS35200-40	SCREW, FLAT HD
				3		84	MS15795-811	WASHER, FLAT
				16		83	MS35338-80	WASHER, LOCK
				2		82	MS35333-72	
				9		81	MS35338-82	
				10		80	MS35333-71	
				6		79	MS35338-41	WASHER, LOCK
				3		78	MS20341-416 S(1897061-305)	NUT, HEX
				10		77	1016005-1	SHIM, SLIDE LOCATING
SEE NOTES 5&14				10		76	1015826-304	SCREW, FLAT HD
				8		75	AN363C632	NUT, SELF LOCKING
SEE NOTE 5				30		74	1016151-006	
				24		73	1016151-004	
				4		72	1016151-015	
SEE NOTE 5				6		71	1016151-010	NUT, SELF LOCKING
				16		70	MS35216-41	SCREW, PAN HD
				26		69	MS35216-27	
				8		68	MS35216-26	
				10		67	MS35216-25	SCREW, PAN HD
SEE NOTE 5				6		66	1006783-50	SCREW, BUTTON HD
				12		65	1006783-45	
				8		64	1006783-44	
				2		63	1006783-28	
				4		62	1006783-24	
SEE NOTE 5				6		61	1006783-23	SCREW, BUTTON HD.
	QUANTITY REQUIRED							

LIST OF PARTS AND MATERIALS

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				4		60	MS35216-016	SCREW, PAN HD
SEE NOTE 5				4		59	1015912-193	SCREW, FLAT HD
				8		58	1010630-53	SCREW, FLAT HD
				8		57	1015831-257	SCREW, FLAT HD
				2		56	1015860-001	SPACER
				1		55	1015914-001	RELAY, ARMATURE
SEE NOTE 5				10		54	1015802-004	RELAY, ARMATURE
				12		53	1015837-002	RELAY, ARMATURE
				2		52	2900188-008	WASHER, SHOULDER, NYLON
				1		51	1902370	STUD, SHOULDERED
				1		50	1900837	BUS BAR
				1		49	2901046-011	AMPLIFIER ASSEMBLY
SEE NOTE 5				1		48	2901045-011	DC DETECTOR & AC BUFFER AMPL ASSY
				1		47	1015791-010	CHASSIS SLIDE ASSY L.H.
SEE NOTE 5				1		46	1015791-009	CHASSIS SLIDE ASSY R.H.
				1		45	1897385	TRANSFORMER, POWER
				4		44	1900390	BRACKET, HOLDER, SINGLE
SEE NOTE 13				2		43	1900617	WARNING PLATE
				1		42	1897400-001	THERMAL RADIATOR
SEE NOTE 5				1		41	1897211-5	POWER SUPPLY
				1		40	1897396-001	VARIABLE SUPPLY
				1		39	MS35490-37	GROMMET
				2		38	F02A250V3A(1897099-012)	FUSE, CARTRIDGE
				3		37	F02A250V1A(1897099-009)	FUSE, CARTRIDGE
				2		36	MS26572-1	FUSEHOLDER
SEE NOTE 5				5		35	1015873-001	FUSEHOLDER
				2		34	MS91528-2K2B(1897080-023)	KNOB, CONTROL, ROTARY
SEE NOTE 5				2		33	1015825-016	SWITCH, ROTARY
				1		32	1015974-112	DIAL, 10 TURN
				1		31	1897419-009	RESISTOR, VARIABLE
				1		30	1897337-309	LIGHT INDICATOR SWITCH ASSY
				1		29	1015869-336	
				1		28	1897337-308	
				1		27	1897337-757	
				1		26	1897337-758	
				1		25	1897337-759	
				1		24	1897337-752	
				1		23	1897337-754	
				1		22	1897337-310	
				1		21	1015869-159	
				1		20	1897337-702	
				1		19	1897337-756	
				1		18	1897337-755	
SEE NOTE 5				1		17	1897337-753	LIGHT INDICATOR SWITCH ASSY
				1		16	1896917-001	CONNECTOR, PLUG, ELECTRICAL
SEE NOTE 5				2		15	1015945-001	RESISTOR, VARIABLE
				8		14	1897302-002	JACK, TIP-BANANA (BLACK)
				6		13	1897302-001	JACK, TIP-BANANA (RED)
SEE NOTE 5				1		12	1015943-001	BEZEL
				1		11	1900220	SPACER, DIGTAL READOUT
SEE NOTE 5				1		10	1015844-001	READOUT, DIGITAL
				1		9	1897381	PHASE GENERATOR, 3200 CPS
				1		8	1897380	PHASE GENERATOR, 800 CPS
				2		7	1900015-081	HANDLE ASSEMBLY
				1		6	2901036-011	COMPONENT BOARD ASSEMBLY
				1		5	2901151	BRACKET, PWR. SUP., LOWER (INSEP ASSY)
				1		4	2901118	BRACKET, PWR. SUP., UPPER (INSEP ASSY)
				1		3	2901097	BRACKET, RELAY (INSEP ASSY)
				1		2	2901096	CHASSIS, ELECTRICAL EQUIPMENT
				1		1	2901035	PANEL, FRONT
	QUANTITY REQUIRED							

LIST OF PARTS AND MATERIALS

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 5				1		97	1897337-505	LIGHT INDICATOR SWITCH ASSY
	QUANTITY REQUIRED							

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900895-011	2900895-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Jamauvale DATE 16 FEB 66
CHECKED
APPROVAL 5/6/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONTROL PANEL ASSEMBLY

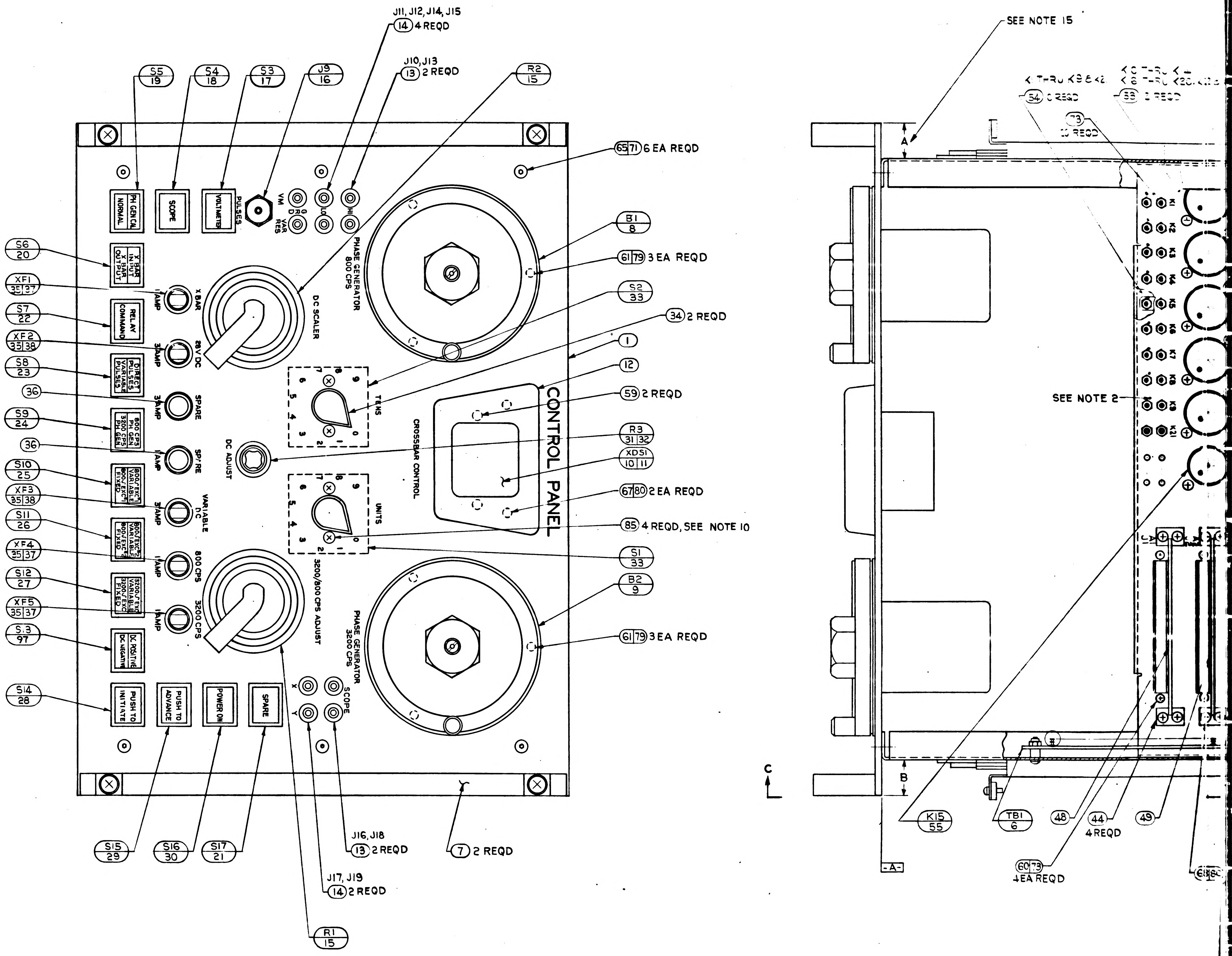
SIZE J2 CODE IDENT NO. 99974 2900896
SCALE FULL SHEET 1 OF 2

2900896

2729000896

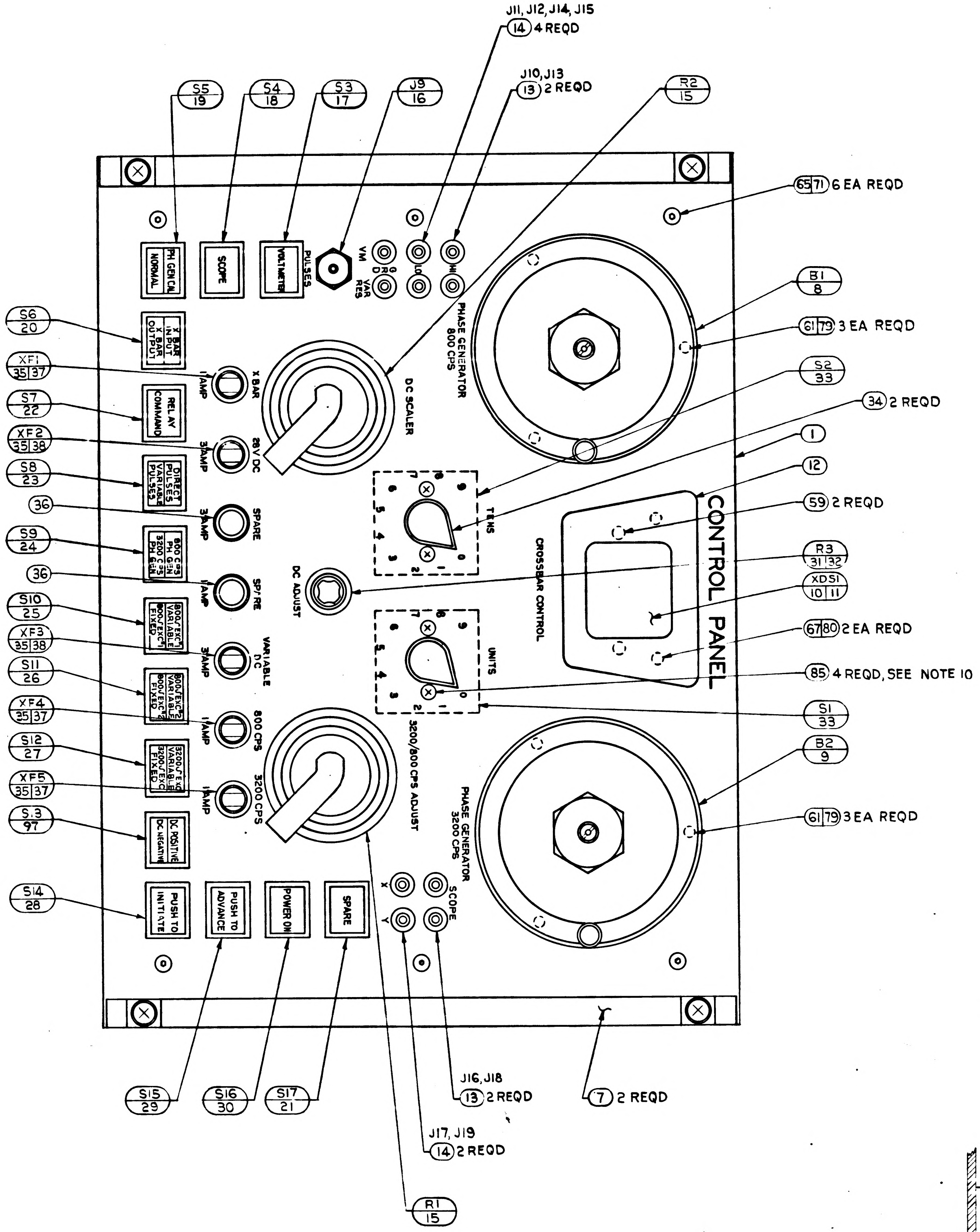
NOTES:

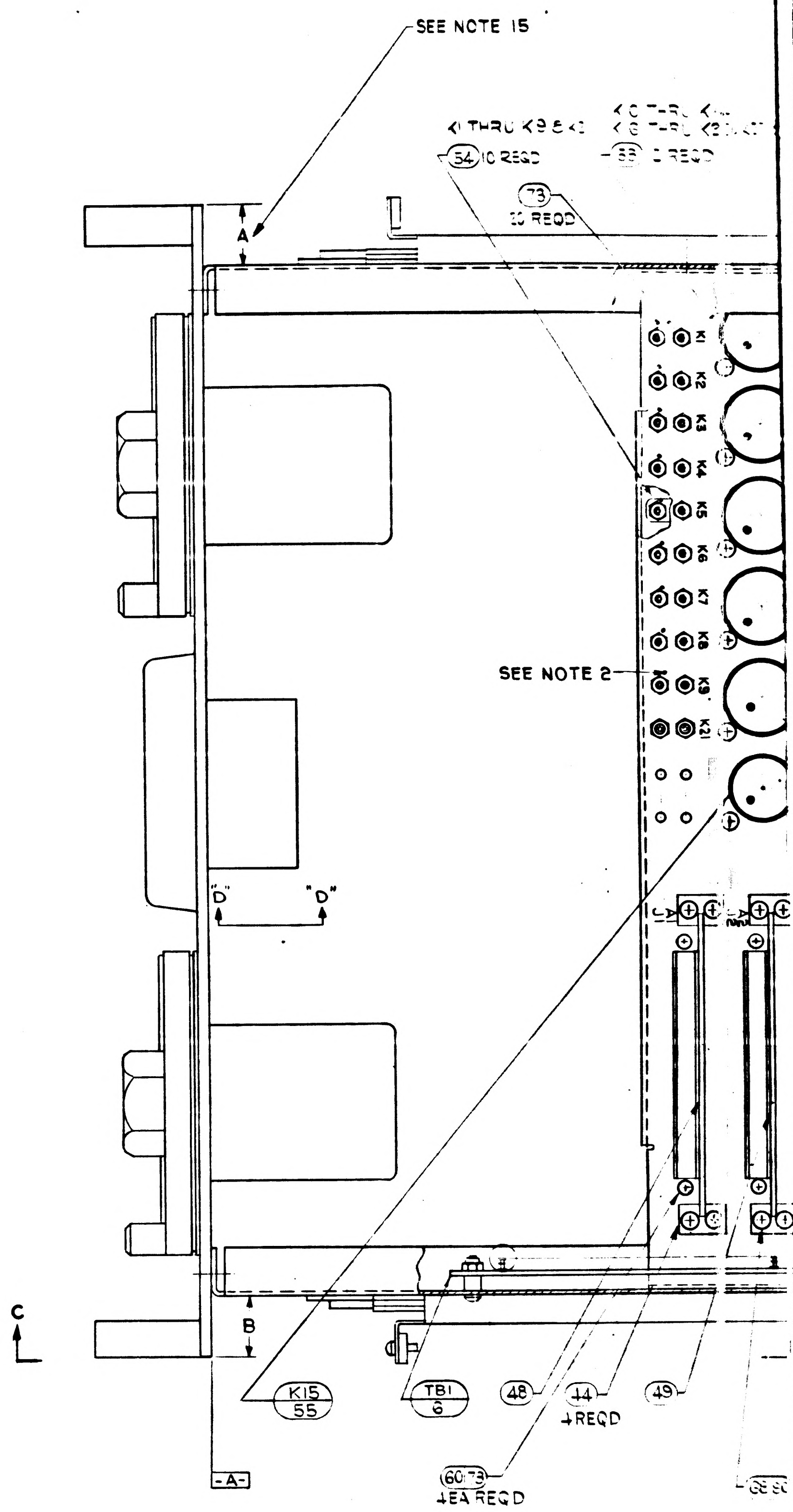
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. POSITIONING OF RELAYS INDICATED BY DOT AS VIEWED FROM BELOW CHASSIS.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN: PREFIX WITH UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION(S), OR BOTH FOR COMPLETE DESIGNATION.
4. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (88) AND (89) OR (90).
5. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
6. DRAWER SLIDE MOUNTING SCREWS AND FRONT PANEL MOUNTING SCREWS SHALL BE SUBJECTED TO A TORQUE OF 33.0 - 36.2 IN LB AT INSTALLATION.
7. MARK WEIGHT OF ASSEMBLY (LBS) PER ND 1002123 IN LOCATION SHOWN.
8. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH, IN LOCATION SHOWN.
9. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (86) IN ACCORDANCE WITH ND 1002023. LETTERS AND NUMERALS TO .06 HIGH.
10. SECURE SCREWS USING ITEM (91).
11. QUANTITY SPECIFIED "AR" INDICATES AS REQD.
12. SURFACES OF ITEMS ㊶ AND ㊷ THAT MATE WITH ITEM ⑤ TO BE COATED WITH ITEM (92).
13. LOCATE ITEM ㊸ IN APPROXIMATE LOCATION SHOWN.
14. SHIM TO FIT, PEEL OFF EXCESS SHIM STOCK
15. DIMENSION "A" SHALL BE EQUAL TO DIMENSION "B" WITHIN .040.

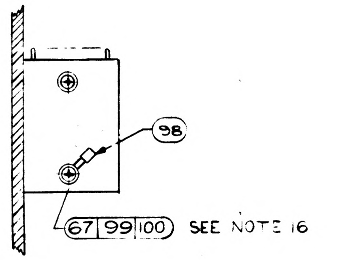

S5 19
S4 18
S3 17
J9 16
J11, J12, J14, J15
14 4 REQD
J10, J13
13 2 REQD
R2 15
65 71 6 EA REQD
B1 8
61 79 3 EA REQD
S2 33
34 2 REQD
1
12
59 2 REQD
R3 31 32
XDS1 10 11
67 80 2 EA REQD
85 4 REQD, SEE NOTE 10
S1 33
B2 9
61 79 3 EA REQD
S6 20
XF1 35 37
S7 22
XF2 35 38
S8 23
36
S9 24
36
S10 25
XF3 35 38
S11 26
XF4 35 37
S12 27
XF5 35 37
S13 97
S14 28
S15 29
S16 30
S17 21
J16, J18
13 2 REQD
7 2 REQD
J17, J19
14 2 REQD
R1 15
PH GEN CAL NORMAL
SCOPE
VOLTMETER
PULSES
VM
LO
HI
VAR REF
PHASE GENERATOR 800 CPS
DC SCALER
X BAR
1 AMP
RELAY COMMAND
28 V DC
3 AMP
SPARE
3 AMP
TENS
CONTROL PANEL
CROSSBAR CONTROL
DC ADJUST
SPARE
1 AMP
UNITS
VARIABLE DC
3 AMP
800 CPS
1 AMP
3200/800 CPS ADJUST
3200 CPS
1 AMP
PHASE GENERATOR 3200 CPS
DC POSITIVE
DC NEGATIVE
X
Y
SCOPE
PUSH TO INITIATE
PUSH TO ADVANCE
POWER ON
SPARE
SEE NOTE 15
K1 THRU K9 & K21
54 9 REQD
K10 THRU K14
K16 THRU K20, K22
53 REQD
73
10 REQD
K1
K2
K3
K4
K5
K6
K7
K8
K9
K21
SEE NOTE 2
A
B
C
-A-
K15 55
TB1 6
48
44
4 REQD
49
60 73
4 EA REQD

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. POSITIONING OF RELAYS INDICATED BY DOT AS VIEWED FROM BELOW CHASSIS.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN: PREFIX WITH UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION(S), OR BOTH FOR COMPLETE DESIGNATION.
4. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (88) AND (89) OR (90).
5. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
6. DRAWER SLIDE MOUNTING SCREWS AND FRONT PANEL MOUNTING SCREWS SHALL BE SUBJECTED TO A TORQUE OF 33.0-36.2 IN LB AT INSTALLATION.
7. MARK WEIGHT OF ASSEMBLY (LBS) PER ND 1002123 IN LOCATION SHOWN.
8. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH, IN LOCATION SHOWN.
9. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (86) IN ACCORDANCE WITH ND 1002023. LETTERS AND NUMERALS TO .06 HIGH.
10. SECURE SCREWS USING ITEM (91).
11. QUANTITY SPECIFIED "AR" INDICATES AS REQD.
12. SURFACES OF ITEMS ㊶ AND ㊷ THAT MATE WITH ITEM ⑤ TO BE COATED WITH ITEM (92).
13. LOCATE ITEM ㊸ IN APPROXIMATE LOCATION SHOWN.
14. SHIM TO FIT, PEEL OFF EXCESS SHIM STOCK
15. DIMENSION "A" SHALL BE EQUAL TO DIMENSION "B" WITHIN .040.
16. REMOVE EXISTING FLAT HD. SCREW AND REPLACE WITH ITEMS (67) (99) AND (100).
17. ITEM (101) TO BE USED AS NEEDED WHEREVER WIRE HARNESS PASSES UNDER A FLANGE. CEMENT ITEM (101) TO FLANGE USING ITEM (102).


S5 19
S4 18
S3 17
J9 16
J11, J12, J14, J15 ⑭ 4 REQD
J10, J13 ⑬ 2 REQD
R2 15
PH GEN CAL
NORMAL
SCOPE
VOLTMETER
PULSES
VM
G R D
VAR RES
LO
HI
PHASE GENERATOR 800 CPS
DC SCALER
㊺㊼ 6 EA REQD
B1 8
(61)(79) 3 EA REQD
S2 33
㉞ 2 REQD
①
⑫
(59) 2 REQD
R3 31 32
XDS1 10 11
(67)(80) 2 EA REQD
(85) 4 REQD, SEE NOTE 10
S1 33
B2 9
(61)(79) 3 EA REQD
S6 20
X BAR INPUT
X BAR OUTPUT
XF1 35 37
1 AMP
X BAR
S7 22
RELAY COMMAND
XF2 35 38
3 AMP
28V DC
S8 23
DIRECT PULSES
VARIABLE PULSES
㊱
SPARE
S9 24
800 CPS PH GEN
3200 CPS PH GEN
SPARE
DC ADJUST
TENS
CROSSBAR CONTROL
CONTROL PANEL
UNITS
S10 25
800 EXC 1 VARIABLE
800 EXC 1 FIXED
XF3 35 38
VARIABLE DC
S11 26
800 EXC 2 VARIABLE
800 EXC 2 FIXED
XF4 35 37
800 CPS
S12 27
3200 EXC VARIABLE
3200 EXC FIXED
XF5 35 37
3200 CPS
3200/800 CPS ADJUST
PHASE GENERATOR 3200 CPS
S13 97
DC POSITIVE
DC NEGATIVE
S14 28
PUSH TO INITIATE
PUSH TO ADVANCE
POWER ON
SPARE
X
Y
SCOPE
S15 29
S16 30
S17 21
J16, J18 ⑬ 2 REQD
⑦ 2 REQD
J17, J19 ⑭ 2 REQD
R1 15


SEE NOTE 15
K1 THRU K9 & K21
(54) 10 REQD
(73) 20 REQD
A
K1
K2
K3
K4
K5
K6
K7
K8
K9
K21
SEE NOTE 2
"D"
"D"
C
B
K15 55
TB1 6
㊽
㊹ 4 REQD
㊾
(60)(73) 4 EA REQD
-A-


(98)
(67)(99)(100) SEE NOTE 16

PARTIAL VIEW D-D

2900896

E30 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E30	SHLD A204	A 204A	(J7 END)		
E30	SHLD A205	A 205A	(J7 END)		
E30	SHLD A206	A 206A	(J7 END)		
E30	SHLD A207	A 207A	(J7 END)		
E30	SHLD A208	A 208A	(J7 END)		
E30	SHLD A209	A 209A	(J7 END)		
E30	E43	A 348			

E31 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E31	SHLD A241	A 241A	(P1 END)		
E31	SHLD A242	A 242A	(P1 END)		
E31	SHLD A243	A 243A	(P1 END)		
E31	SHLD A261	A 261A	(P5 END)		
E31	SHLD A262	A 262A	(P5 END)		
E31	SHLD A263	A 263A	(P5 END)		
E31	E44	A 349			

E32 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E32	SHLD A246	A 246A	(P2 END)		
E32	SHLD A247	A 247A	(P2 END)		
E32	SHLD A248	A 248A	(P2 END)		
E32	SHLD A266	A 266A	(P6 END)		
E32	SHLD A267	A 267A	(P6 END)		
E32	SHLD A268	A 268A	(P6 END)		
E32	E44	A 350			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 26 OF 131

E33 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E33	SHLD A251	A 251A	(P3 END)		
E33	SHLD A252	A 252A	(P3 END)		
E33	SHLD A253	A 253A	(P3 END)		
E33	SHLD A271	A 271A	(P7 END)		
E33	SHLD A272	A 272A	(P7 END)		
E33	SHLD A273	A 273A	(P7 END)		
E33	E44	A 351			

E34 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E34	SHLD A256	A 256A	(P4 END)		
E34	SHLD A257	A 257A	(P4 END)		
E34	SHLD A258	A 258A	(P4 END)		
E34	SHLD A276	A 276A	(P8 END)		
E34	SHLD A277	A 277A	(P8 END)		
E34	SHLD A278	A 278A	(P8 END)		
E34	E44	A 352			

E35 SPLICE REDUCER P/N 1016006-002 +30 VDC FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E35	J1-HH	A 33	+30 VDC		
E35	J8-B	A 213	+30 VDC		
E35	J9-B	A 216	+30 VDC		
E35	J10-B	A 220	+30 VDC		
E35	J11-B	A 225	+30 VDC		
E35	J12-B	A 230	+30 VDC		
E35	J13-B	A 234	+30 VDC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 27 OF 131

E27 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E27	SHLD A186	A 186A	(J7 END)		
E27	SHLD A187	A 187A	(J7 END)		
E27	SHLD A188	A 188A	(J7 END)		
E27	SHLD A189	A 189A	(J7 END)		
E27	SHLD A190	A 190A	(J7 END)		
E27	SHLD A191	A 191A	(J7 END)		
E27	E43	A 345			

E28 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E28	SHLD A192	A 192A	(J7 END)		
E28	SHLD A193	A 193A	(J7 END)		
E28	SHLD A194	A 194A	(J7 END)		
E28	SHLD A195	A 195A	(J7 END)		
E28	SHLD A196	A 196A	(J7 END)		
E28	SHLD A197	A 197A	(J7 END)		
E28	E43	A 346			

E29 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E29	SHLD A198	A 198A	(J7 END)		
E29	SHLD A199	A 199A	(J7 END)		
E29	SHLD A200	A 200A	(J7 END)		
E29	SHLD A201	A 201A	(J7 END)		
E29	SHLD A202	A 202A	(J7 END)		
E29	SHLD A203	A 203A	(J7 END)		
E29	E43	A 347			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 25 OF 131

E36 SPLICE REDUCER P/N 1016006-002 30 VDC COMM FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E36	J1-JJ	A 32	30 VDC COMM		
E36	J8-C	A 212	30 VDC COMM		
E36	J9-C	A 215	30 VDC COMM		
E36	J10-C	A 219	30 VDC COMM		
E36	J11-C	A 224	30 VDC COMM		
E36	J12-C	A 229	30 VDC COMM		
E36	J13-C	A 233	30 VDC COMM		

E37 SPLICE REDUCER P/N 1016006-002 -30 VDC FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E37	J1-KK	A 34	-30 VDC		
E37	J8-D	A 214	-30 VDC		
E37	J10-D	A 221	-30 VDC		
E37	J11-D	A 226	-30 VDC		

E38 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E38	E2	A 320			
E38	E3	A 321			
E38	E4	A 322			
E38	E5	A 323			
E38	E6	A 324			
E38	E7	A 325			
E38	E50	A 354			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 28 OF 131

J11 (A12P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-140 FIG 9

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J11-B	E35	A 225	+30 VDC		
J11-C	E36	A 224	30 VDC COMM		
J11-D	E37	A 226	-30 VDC		
J11-H	J12-M	A 3R	OPT 90 DEGREE BUFFER INPUT HI		
J11-J	J12-N	A 3L	OPT 90 DEGREE BUFFER INPUT LO		
J11-M	S3SW1-NO	A 228W	800 CPS 90 DEGREE OPT BUFFER OUPT HI		
J11-P	J1-D*	A 16R	800 CPS OPT 90 DEGREE GSE - HI		
J11-R	J1-E*	A 16L	800 CPS OPT 90 DEGREE GSE - LO		

J12 (A13P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-200 FIG. 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J12-B	E35	A 230	+30 VDC		
J12-C	E36	A 229	30 VDC COMM		
J12-E	J12-F	A 392	OPT 0 DEGREE BUFFER JUMPER		
J12-F	J12-E	A 392	OPT 0 DEGREE BUFFER JUMPER		
J12-H	K25-4	A 396R	800 CPS 0 DEGREE OPT BUFFER INPUT HI		
J12-J	K25-7	A 396L	800 CPS 0 DEGREE OPT BUFFER INPUT LO		
J12-M	J11-H	A 3R	OPT 90 DEGREE BUFFER INPUT HI		
J12-M	S7- 6A	A 232R	OPT 90 DEGREE FOR SCOPE B REF HI		
J12-N	J11-J	A 3L	OPT 90 DEGREE BUFFER INPUT LO		
J12-N	S7- 6B	A 232L	OPT 90 DEGREE FOR SCOPE B REF LO		
J12-P	S6SW1-NC	A 231R	OPT 0 DEGREE FOR PH GEN HI		
J12-R	S6SW2-NC	A 231L	OPT 0 DEGREE FOR PH GEN LO		

J13 (A14P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-200 FIG. 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J13-B	E35	A 234	+30 VDC		
J13-C	E36	A 233	30 VDC COMM		
J13-E	G2- 3	A 235W	PH GEN VAR OUPT - HI		
J13-F	G2- 4	A 236L	PH GEN OUPT - COMM		
J13-H	G1- 3	A 237W	PH GEN VAR OUPT - HI		
J13-J	G1- 4	A 238L	PH GEN OUPT - COMM		
J13-M	S7- 5A	A 239R	3.2 KC VAR FOR SCOPE B REF HI		
J13-N	S7- 5B	A 239L	3.2 KC VAR FOR SCOPE B REF LO		
J13-P	S7- 3A	A 240R	800 CPS VAR FOR SCOPE B REF HI		
J13-R	S7- 3B	A 240L	800 CPS VAR FOR SCOPE B REF LO		
J13-S	G2- 2	A 236R	PH GEN 90 DEGREE OUPT - HI		
J13-U	G1- 2	A 238R	PH GEN 90 DEGREE OUPT - HI		

J14 (P9) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015817-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J14- 1	K8- 8	B 1	800 CPS LO FOR OSCILLOGRAPH REF		
J14- 1	K10- 8	B 5	800 CPS LO FOR OSCILLOGRAPH REF		
J14- 2	K8- 4	B 37	800 CPS ISS HI FOR OSCILLOGRAPH REF		
J14- 2	K10- 4	B 178	800 CPS ISS HI FOR OSCILLOGRAPH REF		
J14- 3	K8- 1	B 49	3.2 KC LO FOR OSCILLOGRAPH REF		
J14- 3	K6- 1	B 53	3.2 KC LO FOR OSCILLOGRAPH REF		
J14- 4	K8- 5	B 50	3.2 KC HI FOR OSCILLOGRAPH REF		
J14- 4	K6- 5	B 156	3.2 KC HI FOR OSCILLOGRAPH REF		
J14- 5	K7- 5	B 169	800 CPS OPT HI FOR OSCILLOGRAPH REF		
J14- 5	K9- 5	B 170	800 CPS OPT HI FOR OSCILLOGRAPH REF		
J14- 6	K2- 3	B 76	+28 VDC CH 8 ISS REF CONT		
J14- 7	K1- 3	B 77	+28 VDC CH 8 OPT REF CONT		
J14- 8	K1- 6	B 13	CH 8 REF LO		
J14- 9	K1- 2	B 14	CH 8 REF HI		

J9 (A10P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-200 FIG 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J9-B	E35	A 216	+30 VDC		
J9-C	E36	A 215	30 VDC COMM		
J9-H	K25-10	A 395R	800 CPS 0 DEGREE ISS BUFFER INPUT HI		
J9-J	K25-6	A 395L	800 CPS 0 DEGREE ISS BUFFER INPUT LO		
J9-M	J8-H	A 2R	800 CPS ISS 90 DEGREE BUFFER INPUT HI		
J9-M	S7- 2A	A 217R	800 CPS 0 DEGREE ISS FOR SCOPE B REF		
J9-N	J8-J	A 2L	800 CPS ISS 90 DEGREE BUFFER INPUT LO		
J9-N	S7- 2B	A 217L	800 CPS 0 DEGREE ISS FOR SCOPE B REF		
J9-P	S6SW1-NO	A 218R	800 CPS 0 DEGREE ISS PH GEN INPUT		
J9-R	S6SW2-NO	A 218L	800 CPS 0 DEGREE ISS FOR PH GEN INPUT		

J10 (A11P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-140 FIG 9

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J10-A	J2-A	A 412	STATUS LOGIC GROUND (RLP LO)		
J10-B	E35	A 220	+30 VDC		
J10-C	E36	A 219	30 VDC COMM		
J10-D	E37	A 221	-30 VDC		
J10-E	J1-LL	A 405	BLK 1 SERIES 100 INDICATION		
J10-F	J1-MM	A 406	NOT BLK 1 SERIES 100 INDICATION		
J10-H	K25-13	A 393R	3.2 KC ISS A/B - HI		
J10-J	K25-16	A 393L	3.2 KC ISS A/B - LO		
J10-K	K25-19	A 403	SERIES 100 STATUS TCL		
J10-L	E55	A 407	28 VDC LO		
J10-M	S7- 4A	A 223R	3.2 KC FOR SCOPE B REF		
J10-M	T3-1	A 408R	3.2 KC REF FOR TCL - HI		
J10-N	S7- 4B	A 223L	3.2 KC FOR SCOPE B REF		
J10-N	T3-2	A 408L	3.2 KC REF FOR TCL - LO		
J10-P	P9- 4	A 222R	3.2 KC FOR OSCILLOGRAPH REF HI		
J10-R	P9- 3	A 222L	3.2 KC FOR OSCILLOGRAPH REF LO		

(CONT.) J14 (P9) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015817-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J14-11	K17- 7	B 98	CH 8 DC INTLK		
J14-12	K17- 1	B 100	CH 8 DC SIGNALS LO		
J14-13	K17- 8	B 103	CH 8 AC SIGNALS LO		
J14-14	K17- 5	B 99	CH 8 DC SIGNALS HI		
J14-15	K17- 4	B 104	CH 8 AC SIGNALS HI		
J14-16	K17- 6	B 101	CH 8 OUPT LO		
J14-17	K17- 2	B 102	CH 8 OUPT HI		
J14-18	K4- 3	B 78	+28 VDC CH 7 ISS REF CONT		
J14-19	K3- 3	B 79	+28 VDC CH 7 OPT REF CONT		
J14-20	K3- 6	B 17	CH 7 REF LO		
J14-21	K3- 2	B 18	CH 7 REF HI		
J14-22	K18- 7	B 105	CH 7 DC INTLK		
J14-23	K18- 1	B 106	CH 7 DC SIGNALS LO		
J14-24	K18- 8	B 110	CH 7 AC SIGNALS LO		
J14-25	K18- 5	B 107	CH 7 DC SIGNALS HI		
J14-26	K18- 4	B 111	CH 7 AC SIGNALS HI		
J14-27	K18- 6	B 108	CH 7 OUPT LO		
J14-28	K18- 2	B 109	CH 7 OUPT HI		
J14-29	K6- 3	B 80	+28 VDC CH 6 ISS REF CONT		
J14-30	K5- 3	B 81	+28 VDC CH 6 OPT REF CONT		
J14-31	K5- 6	B 20	CH 6 REF LO		
J14-32	K5- 2	B 21	CH 6 REF HI		
J14-33	K19- 7	B 112	CH 6 DC INTLK		
J14-34	K19- 1	B 113	CH 6 DC SIGNALS LO		
J14-35	K19- 8	B 117	CH 6 AC SIGNALS LO		
J14-36	K19- 5	B 114	CH 6 DC SIGNALS HI		
J14-37	K19- 4	B 118	CH 6 AC SIGNALS HI		
J14-38	K19- 6	B 115	CH 6 OUPT LO		
J14-39	K19- 2	B 116	CH 6 OUPT HI		
J14-40	K8- 3	B 82	+28 VDC CH 5 ISS REF CONT		
J14-41	K7- 3	B 83	+28 VDC CH 5 OPT REF CONT		
J14-42	K7- 6	B 23	CH 5 REF LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K15	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K15- 1	K13- 1	B 168	REF CKT 800 CPS LO		
K15- 2	J15-64	B 11	CH 1 REF HI		
K15- 3	J15-62	B 75	+28 VDC CH 1 OPT REF CONT		
K15- 4	K16- 2	B 41	REF CKT ISS SIGNAL HI		
K15- 5	K13- 5	B 176	REF CKT 800 CPS OPT HI		
K15- 6	J15-63	B 10	CH 1 REF LO		
K15- 7	K16- 7	B 60	28 VDC LO		
K15- 7	K14- 7	B 61	28 VDC LO		
K15- 8	K16- 6	B 9	REF CKT ISS SIGNAL LO		
K16	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K16- 1	K14- 1	B 57	REF CKT 3.2 KC LO		
K16- 2	K15- 4	B 41	REF CKT ISS SIGNAL HI		
K16- 3	J15-61	B 58	+28 VDC CH 1 ISS REF CONT		
K16- 4	K14- 4	B 40	REF CKT 800 CPS ISS HI		
K16- 5	K14- 5	B 160	REF CKT 3.2 KC HI		
K16- 6	K15- 8	B 9	REF CKT ISS SIGNAL LO		
K16- 7	J15-65	B 59	28 VDC LO		
K16- 7	K15- 7	B 60	28 VDC LO		
K16- 8	K14- 8	B 8	REF CKT 800 CPS LO		
K17	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K17- 1	J14-12	B 100	CH 8 DC SIGNALS LO		
K17- 2	J14-17	B 102	CH 8 OUPT HI		
K17- 3	K18- 3	B 90	+28 VDC INTLK RELAYS		
K17- 4	J14-15	B 104	CH 8 AC SIGNALS HI		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K17	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K17- 5	J14-14	B 99	CH 8 DC SIGNALS HI		
K17- 6	J14-16	B 101	CH 8 OUPT LO		
K17- 7	J14-11	B 98	CH 8 DC INTLK		
K17- 8	J14-13	B 103	CH 8 AC SIGNALS LO		
K18	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K18- 1	J14-23	B 106	CH 7 DC SIGNALS LO		
K18- 2	J14-28	B 109	CH 7 OUPT HI		
K18- 3	K17- 3	B 90	+28 VDC INTLK RELAYS		
K18- 3	K19- 3	B 91	+28 VDC INTLK RELAYS		
K18- 4	J14-26	B 111	CH 7 AC SIGNALS HI		
K18- 5	J14-25	B 107	CH 7 DC SIGNALS HI		
K18- 6	J14-27	B 108	CH 7 OUPT LO		
K18- 7	J14-22	B 105	CH 7 DC INTLK		
K18- 8	J14-24	B 110	CH 7 AC SIGNALS LO		
K19	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K19- 1	J14-34	B 113	CH 6 DC SIGNALS LO		
K19- 2	J14-39	B 116	CH 6 OUPT HI		
K19- 3	K18- 3	B 91	+28 VDC INTLK RELAYS		
K19- 3	K20- 3	B 92	+28 VDC INTLK RELAYS		
K19- 4	J14-37	B 118	CH 6 AC SIGNALS HI		
K19- 5	J14-36	B 114	CH 6 DC SIGNALS HI		
K19- 6	J14-38	B 115	CH 6 OUPT LO		
K19- 7	J14-33	B 112	CH 6 DC INTLK		
K19- 8	J14-35	B 117	CH 6 AC SIGNALS LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K13	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K13- 1	K11- 1	B 167	REF CKT 800 CPS LO		
K13- 1	K15- 1	B 168	REF CKT 800 CPS LO		
K13- 2	J15-53	B 33	CH 2 REF HI		
K13- 3	J15-51	B 89	+28 VDC CH 2 OPT REF CONT		
K13- 4	K14- 2	B 48	REF CKT ISS SIGNAL HI		
K13- 5	K11- 5	B 175	REF CKT 800 CPS OPT HI		
K13- 5	K15- 5	B 176	REF CKT 800 CPS OPT HI		
K13- 6	J15-52	B 32	CH 2 REF LO		
K13- 7	K14- 7	B 62	28 VDC LO		
K13- 7	K12- 7	B 63	28 VDC LO		
K13- 8	K14- 6	B 31	REF CKT ISS SIGNAL LO		
K14	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K14- 1	K12- 1	B 56	REF CKT 3.2 KC LO		
K14- 1	K16- 1	B 57	REF CKT 3.2 KC LO		
K14- 2	K13- 4	B 48	REF CKT ISS SIGNAL HI		
K14- 3	J15-50	B 88	+28 VDC CH 2 ISS REF CONT		
K14- 4	K12- 4	B 39	REF CKT 800 CPS ISS HI		
K14- 4	K16- 4	B 40	REF CKT 800 CPS ISS HI		
K14- 5	K12- 5	B 159	REF CKT 3.2 KC HI		
K14- 5	K16- 5	B 160	REF CKT 3.2 KC HI		
K14- 6	K13- 8	B 31	REF CKT ISS SIGNAL LO		
K14- 7	K15- 7	B 61	28 VDC LO		
K14- 7	K13- 7	B 62	28 VDC LO		
K14- 8	K12- 8	B 7	REF CKT 800 CPS LO		
K14- 8	K16- 8	B 8	REF CKT 800 CPS LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K20	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K20- 1	J14-45	B 120	CH 5 DC SIGNALS LO		
K20- 2	J14-50	B 123	CH 5 OUPT HI		
K20- 3	K19- 3	B 92	+28 VDC INTLK RELAYS		
K20- 3	K21- 3	B 93	+28 VDC INTLK RELAYS		
K20- 4	J14-48	B 125	CH 5 AC SIGNALS HI		
K20- 5	J14-47	B 121	CH 5 DC SIGNALS HI		
K20- 6	J14-49	B 122	CH 5 OUPT LO		
K20- 7	J14-44	B 119	CH 5 DC INTLK		
K20- 8	J14-46	B 124	CH 5 AC SIGNALS LO		
K21	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K21- 1	J15-22	B 127	CH 4 DC SIGNALS LO		
K21- 2	J15-27	B 130	CH 4 OUPT HI		
K21- 3	K20- 3	B 93	+28 VDC INTLK RELAYS		
K21- 3	K22- 3	B 94	+28 VDC INTLK RELAYS		
K21- 4	J15-25	B 132	CH 4 AC SIGNALS HI		
K21- 5	J15-24	B 128	CH 4 DC SIGNALS HI		
K21- 6	J15-26	B 129	CH 4 OUPT LO		
K21- 7	J15-21	B 126	CH 4 DC INTLK		
K21- 8	J15-23	B 131	CH 4 AC SIGNALS LO		
K22	RELAY-ARMATURE P/N 1015802-004 FIG 12				
K22- 1	J15-33	B 134	CH 3 DC SIGNALS LO		
K22- 2	J15-38	B 137	CH 3 OUPT HI		
K22- 3	K21- 3	B 94	+28 VDC INTLK RELAYS		
K22- 3	K23- 3	B 95	+28 VDC INTLK RELAYS		

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 FROM            TO          LEAD NO   C I R C U I T   F U N C T I O N        PEN NOTE  WIRE CODE

 (CONT.) SHIELD GROUND

SHLD A113      E15          A 113A (J4 END)
SHLD A114      E16          A 114A (J4 END)
SHLD A115      E16          A 115A (J4 END)
SHLD A116      E16          A 116A (J4 END)
SHLD A117      E16          A 117A (J4 END)
SHLD A118      E16          A 118A (J4 END)
SHLD A119      E16          A 119A (J4 END)
SHLD A120      E17          A 120A (J5 END)
SHLD A121      E17          A 121A (J5 END)
SHLD A122      E17          A 122A (J5 END)
SHLD A123      E17          A 123A (J5 END)
SHLD A124      E17          A 124A (J5 END)
SHLD A125      E17          A 125A (J5 END)
SHLD A126      E17          A 126A (J5 END)
SHLD A127      E18          A 127A (J5 END)
SHLD A128      E18          A 128A (J5 END)
SHLD A129      E18          A 129A (J5 END)
SHLD A132      E18          A 132A (J5 END)
SHLD A133      E18          A 133A (J5 END)
SHLD A134      E18          A 134A (J5 END)
SHLD A135      E18          A 135A (J5 END)
SHLD A138      E19          A 138A (J5 END)
SHLD A139      E19          A 139A (J5 END)
SHLD A140      E19          A 140A (J5 END)
SHLD A141      E19          A 141A (J5 END)
SHLD A142      E19          A 142A (J5 END)
SHLD A143      E19          A 143A (J5 END)
SHLD A144      E20          A 144A (J5 END)
SHLD A145      E20          A 145A (J5 END)
SHLD A146      E20          A 146A (J5 END)
SHLD A147      E20          A 147A (J5 END)
SHLD A148      E20          A 148A (J5 END)
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SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 102 OF 131

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 FROM            TO          LEAD NO   C I R C U I T   F U N C T I O N        PEN NOTE  WIRE CODE

 (CONT.) SHIELD GROUND

SHLD A149      E20          A 149A (J5 END)
SHLD A150      E21          A 150A (J6 END)
SHLD A151      E21          A 151A (J6 END)
SHLD A152      E21          A 152A (J6 END)
SHLD A153      E21          A 153A (J6 END)
SHLD A154      E21          A 154A (J6 END)
SHLD A155      E22          A 155A (J6 END)
SHLD A156      E22          A 156A (J6 END)
SHLD A157      E22          A 157A (J6 END)
SHLD A158      E22          A 158A (J6 END)
SHLD A159      E22          A 159A (J6 END)
SHLD A162      E23          A 162A (J6 END)
SHLD A163      E23          A 163A (J6 END)
SHLD A164      E23          A 164A (J6 END)
SHLD A165      E23          A 165A (J6 END)
SHLD A168      E23          A 168A (J6 END)
SHLD A169      E24          A 169A (J6 END)
SHLD A170      E24          A 170A (J6 END)
SHLD A171      E24          A 171A (J6 END)
SHLD A172      E24          A 172A (J6 END)
SHLD A173      E24          A 173A (J6 END)
SHLD A174      E25          A 174A (J6 END)
SHLD A175      E25          A 175A (J6 END)
SHLD A176      E25          A 176A (J6 END)
SHLD A177      E25          A 177A (J6 END)
SHLD A178      E25          A 178A (J6 END)
SHLD A179      E25          A 179A (J6 END)
SHLD A180      E26          A 180A (J7 END)
SHLD A181      E26          A 181A (J7 END)
SHLD A182      E26          A 182A (J7 END)
SHLD A183      E26          A 183A (J7 END)
SHLD A184      E26          A 184A (J7 END)
```

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 103 OF 131

MIL 2084 9-65

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 FROM            TO          LEAD NO   C I R C U I T   F U N C T I O N        PEN NOTE  WIRE CODE

 (CONT.) SHIELD GROUND

SHLD A75       E10          A  75A (J3 END)
SHLD A76       E10          A  76A (J3 END)
SHLD A79       E10          A  79A (J3 END)
SHLD A80       E11          A  80A (J3 END)
SHLD A81       E11          A  81A (J3 END)
SHLD A82       E11          A  82A (J3 END)
SHLD A83       E11          A  83A (J3 END)
SHLD A84       E11          A  84A (J3 END)
SHLD A85       E12          A  85A (J3 END)
SHLD A86       E12          A  86A (J3 END)
SHLD A87       E12          A  87A (J3 END)
SHLD A88       E12          A  88A (J3 END)
SHLD A89       E12          A  89A (J3 END)
SHLD A90       E12          A  90A (J3 END)
SHLD A91       E13          A  91A (J4 END)
SHLD A92       E13          A  92A (J4 END)
SHLD A93       E13          A  93A (J4 END)
SHLD A94       E13          A  94A (J4 END)
SHLD A95       E13          A  95A (J4 END)
SHLD A96       E13          A  96A (J4 END)
SHLD A97       E13          A  97A (J4 END)
SHLD A98       E14          A  98A (J4 END)
SHLD A99       E14          A  99A (J4 END)
SHLD A100      E14          A 100A (J4 END)
SHLD A103      E14          A 103A (J4 END)
SHLD A104      E14          A 104A (J4 END)
SHLD A105      E14          A 105A (J4 END)
SHLD A106      E15          A 106A (J4 END)
SHLD A109      E15          A 109A (J4 END)
SHLD A110      E15          A 110A (J4 END)
SHLD A111      E15          A 111A (J4 END)
SHLD A112      E15          A 112A (J4 END)
```

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 101 OF 131

MIL 2084 9-65

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 FROM            TO          LEAD NO   C I R C U I T   F U N C T I O N        PEN NOTE  WIRE CODE

 (CONT.) SHIELD GROUND

SHLD A185      E26          A 185A (J7 END)
SHLD A186      E27          A 186A (J7 END)
SHLD A187      E27          A 187A (J7 END)
SHLD A188      E27          A 188A (J7 END)
SHLD A189      E27          A 189A (J7 END)
SHLD A190      E27          A 190A (J7 END)
SHLD A191      E27          A 191A (J7 END)
SHLD A192      E28          A 192A (J7 END)
SHLD A193      E28          A 193A (J7 END)
SHLD A194      E28          A 194A (J7 END)
SHLD A195      E28          A 195A (J7 END)
SHLD A196      E28          A 196A (J7 END)
SHLD A197      E28          A 197A (J7 END)
SHLD A198      E29          A 198A (J7 END)
SHLD A199      E29          A 199A (J7 END)
SHLD A200      E29          A 200A (J7 END)
SHLD A201      E29          A 201A (J7 END)
SHLD A202      E29          A 202A (J7 END)
SHLD A203      E29          A 203A (J7 END)
SHLD A204      E30          A 204A (J7 END)
SHLD A205      E30          A 205A (J7 END)
SHLD A206      E30          A 206A (J7 END)
SHLD A207      E30          A 207A (J7 END)
SHLD A208      E30          A 208A (J7 END)
SHLD A209      E30          A 209A (J7 END)
SHLD A210      E51          A 210A (J1 END)
SHLD A211      E47          A 211B (S3 END)
SHLD A217      E45          A 217B (S7 END)
SHLD A218      E47          A 218B (S6 END)
SHLD A222      E48          A 222B (P9 END)
SHLD A223      E45          A 223B (S7 END)
SHLD A227      E44          A 227A (J1 END)
```

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 104 OF 131

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(CONT.) SHIELD GROUND

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
SHLD A278	E34	A 278A	(P8 END)		
SHLD A281	E48	A 281A	(P9 END)		
SHLD A282	E48	A 282A	(P9 END)		
SHLD A283	E48	A 283A	(P9 END)		
SHLD A284	E48	A 284A	(P9 END)		
SHLD A299	E47	A 299A	(S6 END)		
SHLD A304	E45	A 304A	(S7 END)		
SHLD A305	E45	A 305A	(S8 END)		
SHLD A393	E2	A 393A	(J10 END)		
SHLD A394	E2	A 394A	(J1 END)		
SHLD A395	E56	A 395A	(J9 END)		
SHLD A396	E44	A 396A	(J12 END)		
SHLD A397	E56	A 397A	(K25 END)		
SHLD A398	E56	A 398A	(J1 END)		
SHLD A399	E56	A 399A	(J1 END)		
SHLD A408	E56	A 408A	(J1 END)		
SHLD A4C9	E56	A 409A	(J1 END)		

S1(A1S1) CHANNEL 1, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-2A	J1-35	AA 59	CH 1 POS 1 REF CONT		
S1A-3A	S1A-12B	AA 56	CH 1 +28 VDC HI		
S1A-9B	S1A-12B	AA 62	CH 1 +28 VDC HI		
S1A-12B	S1A-13B	AA 55	CH 1 +28 VDC HI		
S1A-12B	S1A-3A	AA 56	CH 1 +28 VDC HI		
S1A-12B	S1A-9B	AA 62	CH 1 +28 VDC HI		
S1A-13B	S1A-14B	AA 54	CH 1 +28 VDC HI		
S1A-13B	S1A-12B	AA 55	CH 1 +28 VDC HI		
S1A-14B	J1-34	AA 53	CH 1 +28 VDC HI		
S1A-14B	S1A-13B	AA 54	CH 1 +28 VDC HI		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 106 OF 131

(CONT.) S1(A1S1) CHANNEL 1, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-16A	J1-27	AA 60	CH 1 AUX ISS REF CONT		
S1A-16B	J1-33	AA 61	CH 1 AUX OPT REF CONT		
S1A-17A	J1-32	AA 57	CH 1 +28 VDC ISS REF CONT		
S1A-17B	J1-26	AA 58	CH 1 +28 VDC OPT REF CONT		
S1B-2A	J1-44	AA 29	CH 1 SPARE NO FUNCTION		
S1B-2B	J1-42	AA 30	CH 1 SPARE NO FUNCTION		
S1B-3A	J1-45	AA 31	CH 1 SPARE NO FUNCTION		
S1B-3B	J1-41	AA 32	CH 1 SPARE NO FUNCTION		
S1B-4A	J1-46	AA 33	CH 1 SPARE NO FUNCTION		
S1B-4B	J1-40	AA 34	CH 1 SPARE NO FUNCTION		
S1B-5A	J1-47	AA 35	CH 1 SPARE NO FUNCTION		
S1B-5B	J1-39	AA 36	CH 1 SPARE NO FUNCTION		
S1B-6A	J1-48	AA 37	CH 1 SPARE NO FUNCTION		
S1B-6B	J1-38	AA 38	CH 1 SPARE NO FUNCTION		
S1B-7A	J1-49	AA 39	CH 1 SPARE NO FUNCTION		
S1B-7B	J1-37	AA 40	CH 1 SPARE NO FUNCTION		
S1B-8A	J1-50	AA 41	CH 1 SPARE NO FUNCTION		
S1B-8B	J1-36	AA 42	CH 1 SPARE NO FUNCTION		
S1B-10A	J1-14	AA 43	CH 1 SPARE NO FUNCTION		
S1B-10B	J1-29	AA 44	CH 1 SPARE NO FUNCTION		
S1B-12A	J1-13	AA 45	CH 1 SPARE NO FUNCTION		
S1B-12B	J1-30	AA 46	CH 1 SPARE NO FUNCTION		
S1B-15A	J1-24	AA 47	CH 1 SPARE NO FUNCTION		
S1B-15B	J1-19	AA 48	CH 1 SPARE NO FUNCTION		
S1B-16A	J1-23	AA 49	CH 1 SPARE NO FUNCTION		
S1B-16B	J1-20	AA 50	CH 1 SPARE NO FUNCTION		
S1B-17A	J1-22	AA 51	CH 1 SW DC HI TO INTLK RELAY NOT USED		
S1B-17B	J1-28	AA 52	CH 1 SW DC LO TO INTLK RELAY NOT USED		
S1C-2A	J1-60	AA 1	CH 1 POS 1 HI-AC		
S1C-2B	J1-58	AA 2	CH 1 POS 1 LO-AC		
S1C-3A	J1-61	AA 3	CH 1 POS 2 HI-AC		
S1C-3B	J1-57	AA 4	CH 1 POS 2 LO-AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 107 OF 131

(CONT.) SHIELD GROUND

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
SHLD A228	E47	A 228B	(S3 END)		
SHLD A231	E47	A 231B	(S6 END)		
SHLD A232	E45	A 232B	(S7 END)		
SHLD A235	E46	A 235B	(G2 END)		
SHLD A236	E46	A 236B	(G2 END)		
SHLD A237	E46	A 237B	(G1 END)		
SHLD A238	E46	A 238B	(G1 END)		
SHLD A239	E45	A 239B	(S7 END)		
SHLD A240	E45	A 240B	(S7 END)		
SHLD A241	E31	A 241A	(P1 END)		
SHLD A242	E31	A 242A	(P1 END)		
SHLD A243	E31	A 243A	(P1 END)		
SHLD A246	E32	A 246A	(P2 END)		
SHLD A247	E32	A 247A	(P2 END)		
SHLD A248	E32	A 248A	(P2 END)		
SHLD A251	E33	A 251A	(P3 END)		
SHLD A252	E33	A 252A	(P3 END)		
SHLD A253	E33	A 253A	(P3 END)		
SHLD A256	E34	A 256A	(P4 END)		
SHLD A257	E34	A 257A	(P4 END)		
SHLD A258	E34	A 258A	(P4 END)		
SHLD A261	E31	A 261A	(P5 END)		
SHLD A262	E31	A 262A	(P5 END)		
SHLD A263	E31	A 263A	(P5 END)		
SHLD A266	E32	A 266A	(P6 END)		
SHLD A267	E32	A 267A	(P6 END)		
SHLD A268	E32	A 268A	(P6 END)		
SHLD A271	E33	A 271A	(P7 END)		
SHLD A272	E33	A 272A	(P7 END)		
SHLD A273	E33	A 273A	(P7 END)		
SHLD A276	E34	A 276A	(P8 END)		
SHLD A277	E34	A 277A	(P8 END)		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 1C5 OF 131

(CONT.) S1(A1S1) CHANNEL 1, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-4A	J1-62	AA 5	CH 1 POS 3 HI-AC		
S1C-4B	J1-56	AA 6	CH 1 POS 3 LO-AC		
S1C-5A	J1-63	AA 7	CH 1 POS 4 HI-AC		
S1C-5B	J1-55	AA 8	CH 1 POS 4 LO-AC		
S1C-6A	J1-64	AA 9	CH 1 POS 5 HI-AC		
S1C-6B	J1-54	AA 10	CH 1 POS 5 LO-AC		
S1C-7A	J1-65	AA 11	CH 1 POS 6 HI-AC		
S1C-7B	J1-53	AA 12	CH 1 POS 6 LO-AC		
S1C-8A	J1-66	AA 13	CH 1 POS 7 HI-AC		
S1C-8B	J1-52	AA 14	CH 1 POS 7 LO-AC		
S1C-9A	J1-6	AA 15	CH 1 POS 8 HI-AC		
S1C-9B	J1-17	AA 16	CH 1 POS 8 LO-AC		
S1C-11A	J1-5	AA 17	CH 1 POS 10 HI-AC		
S1C-11B	J1-18	AA 18	CH 1 POS 10 LO-AC		
S1C-12A	J1-4	AA 19	CH 1 POS 11 HI-AC		
S1C-12B	J1-7	AA 20	CH 1 POS 11 LO-AC		
S1C-13A	J1-3	AA 21	CH 1 POS 12 HI-AC		
S1C-13B	J1-8	AA 22	CH 1 POS 12 LO-AC		
S1C-14A	J1-2	AA 23	CH 1 POS 13 HI-AC		
S1C-14B	J1-9	AA 24	CH 1 POS 13 LO-AC		
S1C-16A	J1-1	AA 25	CH 1 POS 15 HI-AC		
S1C-16B	J1-10	AA 26	CH 1 POS 15 LO-AC		
S1C-17A	J1-12	AA 27	CH 1 OUPT TO SCOPE 8 HI		
S1C-17B	J1-16	AA 28	CH 1 OUPT TO SCOPE 8 LO		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 1C8 OF 131

(CONT.) S1(A2S1) CHANNEL 2, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-15B	J1-19	BB 48	CH 2 SPARE NO FUNCTION		
S1B-16A	J1-23	BB 49	CH 2 SPARE NO FUNCTION		
S1B-16B	J1-20	BB 50	CH 2 SPARE NO FUNCTION		
S1B-17A	J1-22	BB 51	CH 2 SW DC HI TO INTLK RELAY NOT USED		
S1B-17B	J1-28	BB 52	CH 2 SW DC LO TO INTLK RELAY NOT USED		
S1C- 2A	J1-60	BB 1	CH 2 POS 1 HI-AC		
S1C- 2B	J1-58	BB 2	CH 2 POS 1 LO-AC		
S1C- 3A	J1-61	BB 3	CH 2 POS 2 HI-AC		
S1C- 3B	J1-57	BB 4	CH 2 POS 2 LO-AC		
S1C- 4A	J1-62	BB 5	CH 2 POS 3 HI-AC		
S1C- 4B	J1-56	BB 6	CH 2 POS 3 LO-AC		
S1C- 5A	J1-63	BB 7	CH 2 POS 4 HI-AC		
S1C- 5B	J1-55	BB 8	CH 2 POS 4 LO-AC		
S1C- 6A	J1-64	BB 9	CH 2 POS 5 HI-AC		
S1C- 6B	J1-54	BB 10	CH 2 POS 5 LO-AC		
S1C- 7A	J1-65	BB 11	CH 2 POS 6 HI-AC		
S1C- 7B	J1-53	BB 12	CH 2 POS 6 LO-AC		
S1C- 8A	J1-66	BB 13	CH 2 POS 7 HI-AC		
S1C- 8B	J1-52	BB 14	CH 2 POS 7 LO-AC		
S1C- 9A	J1- 6	BB 15	CH 2 POS 8 HI-AC		
S1C- 9B	J1-17	BB 16	CH 2 POS 8 LO-AC		
S1C-11A	J1- 5	BB 17	CH 2 POS 10 HI-AC		
S1C-11B	J1-18	BB 18	CH 2 POS 10 LO-AC		
S1C-12A	J1- 4	BB 19	CH 2 POS 11 HI-AC		
S1C-12B	J1- 7	BB 20	CH 2 POS 11 LO-AC		
S1C-13A	J1- 3	BB 21	CH 2 POS 12 HI-AC		
S1C-13B	J1- 8	BB 22	CH 2 POS 12 LO-AC		
S1C-14A	J1- 2	BB 23	CH 2 POS 13 HI-AC		
S1C-14B	J1- 9	BB 24	CH 2 POS 13 LO-AC		
S1C-16A	J1- 1	BB 25	CH 2 POS 15 HI-AC		
S1C-16B	J1-10	BB 26	CH 2 POS 15 LO-AC		
S1C-17A	J1-12	BB 27	CH 2 WIPER OUPT TO SCOPE B HI		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 110 OF 131

(CONT.) S1(A2S1) CHANNEL 2, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-17B	J1-16	BB 28	CH 2 WIPER OUPT TO SCOPE B LO		

S1(A3S1) CHANNEL 3, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-2A	S1A-3A	CC 57	CH 3 +28 VDC HI		
S1A-3A	S1A-12B	CC 56	CH 3 +28 VDC HI		
S1A-3A	S1A-2A	CC 57	CH 3 +28 VDC HI		
S1A-9B	S1A-12B	CC 62	CH 3 +28 VDC HI		
S1A-12B	S1A-13B	CC 55	CH 3 +28 VDC HI		
S1A-12B	S1A-3A	CC 56	CH 3 +28 VDC HI		
S1A-12B	S1A-9B	CC 62	CH 3 +28 VDC HI		
S1A-13B	S1A-14B	CC 54	CH 3 +28 VDC HI		
S1A-13B	S1A-12B	CC 55	CH 3 +28 VDC HI		
S1A-14B	J1-34	CC 53	CH 3 +28 VDC HI		
S1A-14B	S1A-13B	CC 54	CH 3 +28 VDC HI		
S1A-16A	J1-27	CC 60	CH 3 AUX ISS REF CONT		
S1A-16B	J1-33	CC 61	CH 3 AUX OPT REF CONT		
S1A-17A	J1-32	CC 58	CH 3 +28 VDC ISS REF CONT		
S1A-17B	J1-26	CC 59	CH 3 +28 VDC OPT REF CONT		
S1B-2A	J1-44	CC 29	CH 3 POS 1 HI-DC		
S1B-2B	J1-42	CC 30	CH 3 POS 1 LO-DC		
S1B-3A	J1-45	CC 31	CH 3 POS 2 HI-DC		
S1B-3B	J1-41	CC 32	CH 3 POS 2 LO-DC		
S1B-4A	J1-46	CC 33	CH 3 POS 3 HI-DC		
S1B-4B	J1-40	CC 34	CH 3 POS 3 LO-DC		
S1B-5A	J1-47	CC 35	CH 3 POS 4 HI-DC		
S1B-5B	J1-39	CC 36	CH 3 POS 4 LO-DC		
S1B-6A	J1-48	CC 37	CH 3 POS 5 HI-DC		
S1B-6B	J1-38	CC 38	CH 3 POS 5 LO-DC		
S1B-7A	J1-49	CC 39	CH 3 POS 6 HI-DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 111 OF 131

S1(A2S1) CHANNEL 2, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A- 2A	S1A- 3A	BB 57	CH 2 +28 VDC HI		
S1A- 3A	S1A-12B	BB 56	CH 2 +28 VDC HI		
S1A- 3A	S1A- 2A	BB 57	CH 2 +28 VDC HI		
S1A-12B	S1A-13B	BB 55	CH 2 +28 VDC HI		
S1A-12B	S1A- 3A	BB 56	CH 2 +28 VDC HI		
S1A-13B	S1A-14B	BB 54	CH 2 +28 VDC HI		
S1A-13B	S1A-12B	BB 55	CH 2 +28 VDC HI		
S1A-14B	J1-34	BB 53	CH 2 +28 VDC HI		
S1A-14B	S1A-13B	BB 54	CH 2 +28 VDC HI		
S1A-16A	J1-27	BB 60	CH 2 AUX ISS REF CONT		
S1A-16B	J1-33	BB 61	CH 2 AUX OPT REF CONT		
S1A-17A	J1-32	BB 58	CH 2 +28 VDC ISS REF CONT		
S1A-17B	J1-26	BB 59	CH 2 +28 VDC OPT REF CONT		
S1B- 2A	J1-44	BB 29	CH 2 SPARE NO FUNCTION		
S1B- 2B	J1-42	BB 30	CH 2 SPARE NO FUNCTION		
S1B- 3A	J1-45	BB 31	CH 2 SPARE NO FUNCTION		
S1B- 3B	J1-41	BB 32	CH 2 SPARE NO FUNCTION		
S1B- 4A	J1-46	BB 33	CH 2 SPARE NO FUNCTION		
S1B- 4B	J1-40	BB 34	CH 2 SPARE NO FUNCTION		
S1B- 5A	J1-47	BB 35	CH 2 SPARE NO FUNCTION		
S1B- 5B	J1-39	BB 36	CH 2 SPARE NO FUNCTION		
S1B- 6A	J1-48	BB 37	CH 2 SPARE NO FUNCTION		
S1B- 6B	J1-38	BB 38	CH 2 SPARE NO FUNCTION		
S1B- 7A	J1-49	BB 39	CH 2 SPARE NO FUNCTION		
S1B- 7B	J1-37	BB 40	CH 2 SPARE NO FUNCTION		
S1B- 8A	J1-50	BB 41	CH 2 SPARE NO FUNCTION		
S1B- 8B	J1-36	BB 42	CH 2 SPARE NO FUNCTION		
S1B-10A	J1-14	BB 43	CH 2 SPARE NO FUNCTION		
S1B-10B	J1-29	BB 44	CH 2 SPARE NO FUNCTION		
S1B-12A	J1-13	BB 45	CH 2 SPARE NO FUNCTION		
S1B-12B	J1-30	BB 46	CH 2 SPARE NO FUNCTION		
S1B-15A	J1-24	BB 47	CH 2 SPARE NO FUNCTION		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 109 OF 131

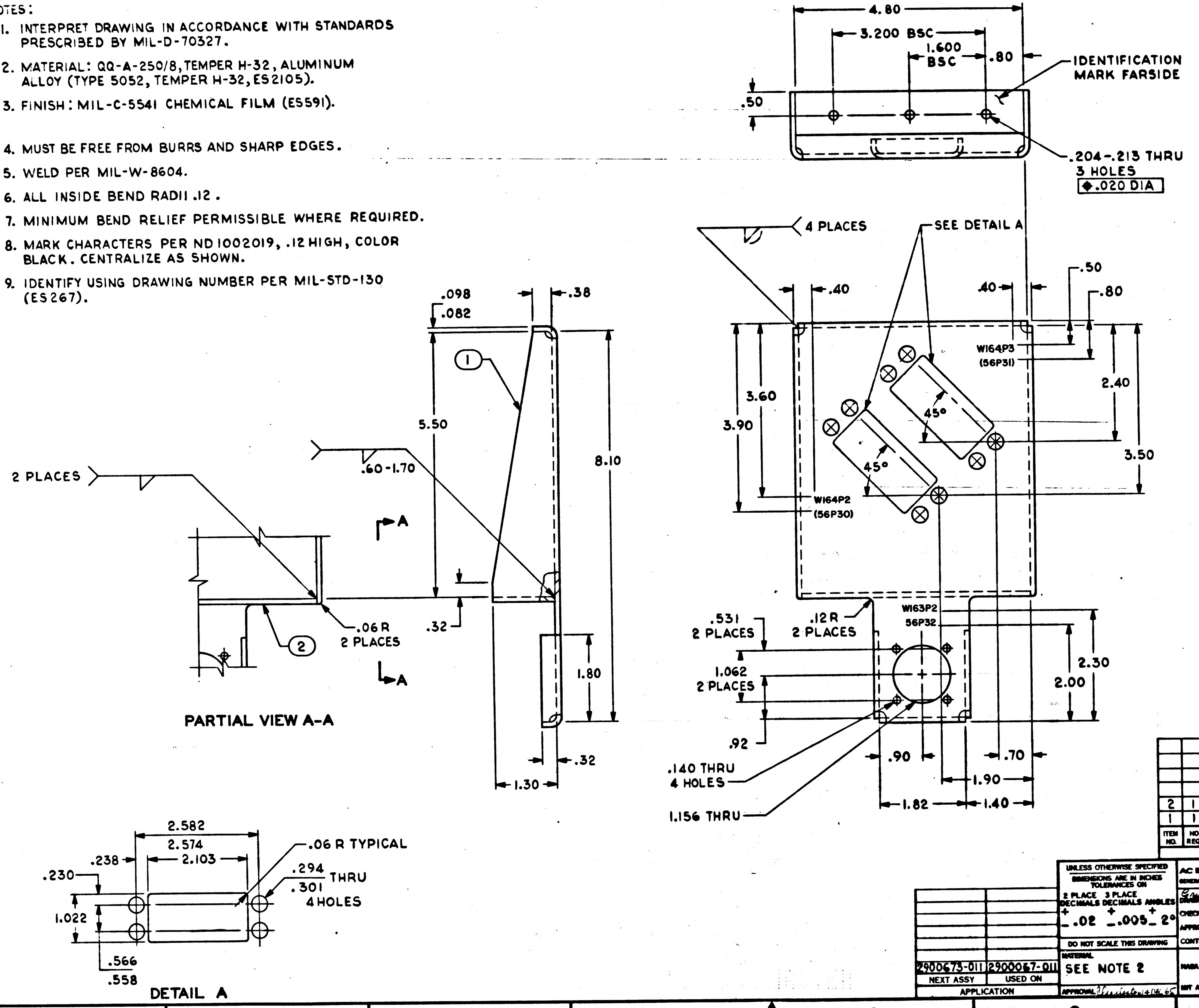
(CONT.) S1(A3S1) CHANNEL 3, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-7B	J1-37	CC 40	CH 3 POS 6 LO-DC		
S1B-8A	J1-50	CC 41	CH 3 POS 7 HI-DC		
S1B-8B	J1-36	CC 42	CH 3 POS 7 LO-DC		
S1B-10A	J1-14	CC 43	CH 3 POS 9 HI-DC		
S1B-10B	J1-29	CC 44	CH 3 POS 9 LO-DC		
S1B-12A	J1-13	CC 45	CH 3 POS 11 HI-DC		
S1B-12B	J1-30	CC 46	CH 3 POS 11 LO-DC		
S1B-15A	J1-24	CC 47	CH 3 POS 14 HI-DC		
S1B-15B	J1-19	CC 48	CH 3 POS 14 LO-DC		
S1B-16A	J1-23	CC 49	CH 3 POS 15 HI-DC		
S1B-16B	J1-20	CC 50	CH 3 POS 15 LO-DC		
S1B-17A	J1-22	CC 51	CH 3 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	CC 52	CH 3 SW DC LO TO INTLK RELAY		
S1C-2A	J1-60	CC 1	CH 3 POS 1 HI-AC		
S1C-2B	J1-58	CC 2	CH 3 POS 1 LO-AC		
S1C-3A	J1-61	CC 3	CH 3 POS 2 HI-AC		
S1C-3B	J1-57	CC 4	CH 3 POS 2 LO-AC		
S1C-4A	J1-62	CC 5	CH 3 POS 3 HI-AC		
S1C-4B	J1-56	CC 6	CH 3 POS 3 LO-AC		
S1C-5A	J1-63	CC 7	CH 3 POS 4 HI-AC		
S1C-5B	J1-55	CC 8	CH 3 POS 4 LO-AC		
S1C-6A	J1-64	CC 9	CH 3 POS 5 HI-AC		
S1C-6B	J1-54	CC 10	CH 3 POS 5 LO-AC		
S1C-7A	J1-65	CC 11	CH 3 POS 6 HI-AC		
S1C-7B	J1-53	CC 12	CH 3 POS 6 LO-AC		
S1C-8A	J1-66	CC 13	CH 3 POS 7 HI-AC		
S1C-8B	J1-52	CC 14	CH 3 POS 7 LO-AC		
S1C-9A	J1-6	CC 15	CH 3 POS 8 HI-AC		
S1C-9B	J1-17	CC 16	CH 3 POS 8 LO-AC		
S1C-11A	J1-5	CC 17	CH 3 POS 10 HI-AC		
S1C-11B	J1-18	CC 18	CH 3 POS 10 LO-AC		
S1C-12A	J1-4	CC 19	CH 3 POS 11 HI-AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 112 OF 131

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8, TEMPER H-32, ALUMINUM ALLOY (TYPE 5052, TEMPER H-32, ES2105).
3. FINISH: MIL-C-5541 CHEMICAL FILM (ES591).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. WELD PER MIL-W-8604.
6. ALL INSIDE BEND RADII .12.
7. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
8. MARK CHARACTERS PER ND1002019, .12 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
9. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



4.80
3.200 BSC
1.600 BSC
.80
.50
IDENTIFICATION MARK FARSIDE
.204-.213 THRU 3 HOLES
◆.020 DIA
4 PLACES
SEE DETAIL A
.40
.40
.50
.80
W164P3 (56P31)
2.40
3.60
3.90
45°
45°
3.50
W164P2 (56P30)
.098
.082
.38
①
5.50
8.10
2 PLACES
.60-1.70
A
A
.06 R 2 PLACES
②
.32
1.80
.32
1.30
PARTIAL VIEW A-A
.531 2 PLACES
.12 R 2 PLACES
W163P2 56P32
1.062 2 PLACES
2.30
2.00
.92
.140 THRU 4 HOLES
1.156 THRU
.90
.70
1.90
1.82
1.40
2.582
2.574
2.103
.238
.230
.06 R TYPICAL
.294
.301
THRU 4 HOLES
1.022
.566
.558
DETAIL A

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMS

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	1	2900937-002	STRAP
1	1	2900937-001	BRACKET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900673-011	2900067-011

APPLICATION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
2 PLACE DECIMALS ±.02
3 PLACE DECIMALS ±.005
ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL Thiesinter 14 Dec 65

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Gruenewald DATE 23 NOV 65
CHECKED Ed Foster 14 Dec 65
APPROVAL L Goldman 3/1/66
CONTRACT NAS-9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL 1 Mar 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET, MOUNTING
ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

SIZE D
CODE IDENT NO. 99974
2900937
SCALE 1:1
SHEET 1 OF 1

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1					.25 .25	NO NO			
A	1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2		E1-B SHLD A2					.25 .25	NO NO			
A	2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2		E1-B SHLD A3					.25 .25	NO NO			
A	3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2		E1-B SHLD A4					.25 .25	NO NO			
A	4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900948
SCALE-NONE	REV LTR C	SHEET 6 OF 22

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2		E1-B SHLD A5					.25 .25	NO NO			
A	5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2		E1-B SHLD A6					.25 .25	NO NO			
A	6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2		E1-B SHLD A7					.25 .25	NO NO			
A	7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2		E1-B SHLD A8					.25 .25	NO NO			
A	8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900948
SCALE-NONE	REV LTR C	SHEET 7 OF 22

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2		E1-B SHLD A9					.25 .25	NO NO			
A	9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2		E1-B SHLD A10					.25 .25	NO NO			
A	10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2		E2-B SHLD A11					.25 .25	NO NO			
A	11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2		E2-B SHLD A12					.25 .25	NO NO			
A	12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

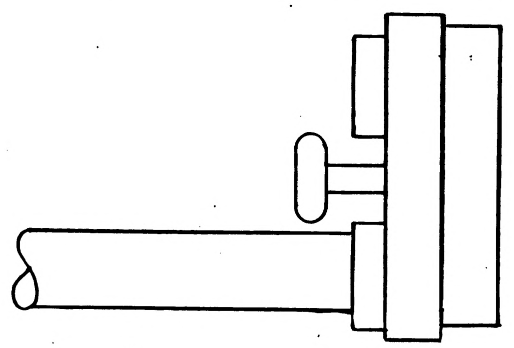
SIZE A	CODE IDENT NO. 99974	2900948
SCALE-NONE	REV LTR C	SHEET 8 OF 22

CABLE ASSEMBLY W500 2900948 C

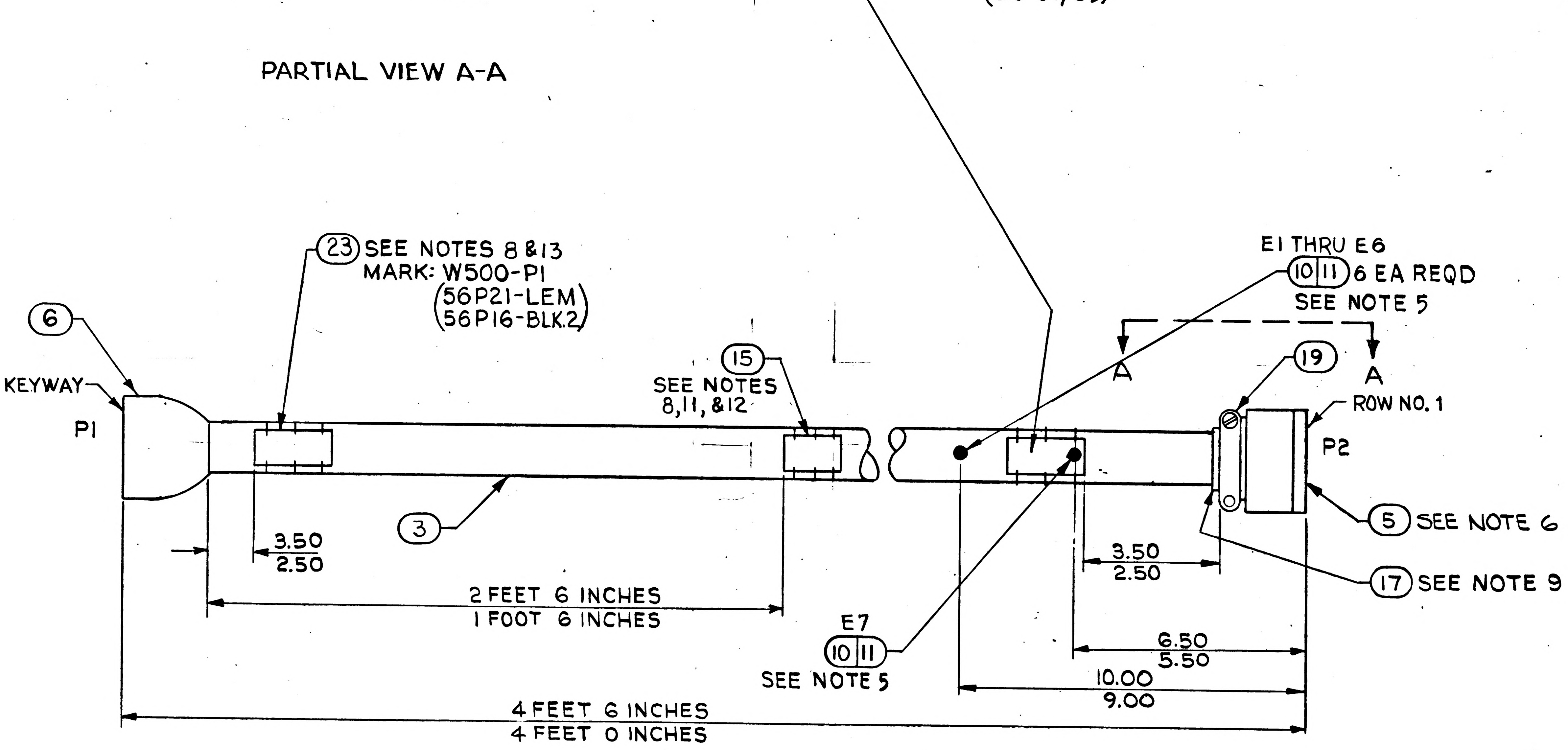
	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2		E2-B SHLD A13					.25 .25	NO NO			
A	13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2		E2-B SHLD A14					.25 .25	NO NO			
A	14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2		E2-B SHLD A15					.25 .25	NO NO			
A	15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2		E2-B SHLD A16					.25 .25	NO NO			
A	16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900948
SCALE-NONE	REV LTR C	SHEET 9 OF 22

REVISIONS TDRR-28599				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1 FOR REV. RECORD — CHG. NO.		



PARTIAL VIEW A-A



15 SEE NOTES 8 & 13
MARK: W500-P2
(BB-J1/J3)
23 SEE NOTES 8 & 13
MARK: W500-P1
(56P21-LEM
56P16-BLK.2)
6
KEYWAY
P1
15
SEE NOTES
8, 11, & 12
E1 THRU E6
10 11 6 EA REQD
SEE NOTE 5
A
A
19
ROW NO. 1
P2
5 SEE NOTE 6
17 SEE NOTE 9
3
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E7
10 11
SEE NOTE 5
3.50
2.50
6.50
5.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS + − 3 PLACE DECIMALS + − ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J. Parks DATE 2 DEC 65
CHECKED M. Damming 10 Jan 66
APPROVAL C. Gelman 5/3/66
CONTRACT NAS 9-497
NASA APPROVAL C. C. Daly
MIT APPROVAL McMurtry 5-4-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W500

SIZE C
CODE IDENT NO. 99974
2900948
SCALE NONE
SHEET 22 OF 22

MIL-1082D D

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25	NO NO			
A 18W			P1-18 P2-C6					.15 .19	NO NO		7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE
REV LTR C
SHEET 10 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE
REV LTR C
SHEET 11 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE
REV LTR C
SHEET 12 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE
REV LTR C
SHEET 13 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 14 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 15 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				8,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 16 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 17 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 18 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 19 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 20 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W503 2900949 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E6-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	13		E1-BB E7-B					.25 .25	NO NO			
A 63	13		E2-BB E7-B					.25 .25	NO NO			
A 64	13		E3-BB E7-B					.25 .25	NO NO			
A 65	13		E4-BB E7-B					.25 .25	NO NO			
A 66	13		E5-BB E7-B					.25 .25	NO NO			
A 67	13		E6-BB E7-B					.25 .25	NO NO			
A 68	14		E7-BB P2-X6					.25 .20	NO NO		 22	

SIZE	CODE IDENT NO.	
A	99974	2900949
SCALE-NONE	REV LTR C	SHEET 21 OF 22

MIL 2084 9-65

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	AT ASSEMBLY OF ITEM 5 TO ITEM 19, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 19 USING LOCATING PINS.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
11	SERIALIZE PER ND1002032.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 2 OF 22

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	MARK IDENTIFICATION BAND WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.
14	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
15	ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 3 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900950-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT. JKT. WHT. 244 FT TOTAL LENGTH
	2	1	2900950-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT. 30.5 FT TOTAL LENGTH
	3	1	2900950-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA 4 FT TOTAL LENGTH
7	4	61	1016369-421	CONTACT, SOCKET
7	5	1	1897336-001	CONNECTOR
7	6	1	1897176-002	CONNECTOR
7	7	X	1897213-003	CONTACT PIN
7	8	61	1010763-002	SOLDER SLEEVES
7	9	122	1010490-232	INSULATION SLEEVING SHRINK FIT.
7	10	7	1016006-002	SPLICE REDUCER
7	11	7	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2900950-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT. 2 FT TOTAL LENGTH
	14	1	2900950-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT. 1 FT TOTAL LENGTH
7	15	2	1016128-021	BAND IDENTIFICATION
	16		AN960C4	DELETED

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 4 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE, .62 WIDE X .020 THICK
	18	AR	MIL-T-713B TYPE P CLASS 2, BLACK	LACING TAPE
7	19	1	1897391	CLAMP CABLE,DUAL ENTRY
	20		1010490-166	DELETED
	21		MS35333-70	DELETED
7	22	1	1016369-721	CONTACT, SOCKET
7	23	1	1016128-041	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 5 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900950
SCALE-NONE | REV LTR *C | SHEET 14 OF 22

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900950
SCALE-NONE | REV LTR *C | SHEET 15 OF 22

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT ARFA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900950
SCALE-NONE | REV LTR *C | SHEET 16 OF 22

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900950
SCALE-NONE | REV LTR *C | SHEET 17 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B			E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B			E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B			E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B			E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 14 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B			E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B			E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B			E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B			E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 15 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B			E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B			E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A. 43B			E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B			E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 16 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B			E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B			E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B			E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B			E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 17 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B			E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B			E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B			E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B			E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 18 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B			E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B			E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B			E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B			E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 19 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B			E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B			E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B			E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B			E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 20 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B			E6-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	13		E1-BB E7-B					.25 .25	NO NO			
A 63	13		E2-BB E7-B					.25 .25	NO NO			
A 64	13		E3-BB E7-B					.25 .25	NO NO			
A 65	13		E4-BB E7-B					.25 .25	NO NO			
A 66	13		E5-BB E7-B					.25 .25	NO NO			
A 67	13		E6-BB E7-B					.25 .25	NO NO			
A 68	14		E7-BB P2-X6					.25 .19	NO NO		, 23	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 21 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-8 SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-8 SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-8 SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-8 SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR E | SHEET 14 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-8 SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-8 SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-8 SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-8 SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR E | SHEET 15 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-8 SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-8 SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-8 SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-8 SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR E | SHEET 16 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-8 SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-8 SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-8 SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-8 SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR E | SHEET 17 OF 29

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES — DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

4 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

5 APPLY LEAD IDENTIFICATION PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B

6 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

7 FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

8 SERIALIZE PER ND1002032.

9 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

10 ASSEMBLE PER ND1002032.

11 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
W - WHITE

12 APPLY REFERENCE DESIGNATION TO SLEEVES PER ND1002019.

13 MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

SIZE A	CODE IDENT NO. 99974	2900984	
SCALE-NONE	REV LTR E	SHEET 2 OF 30	

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES — DESCRIPTION

14 AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900984	
SCALE-NONE	REV LTR E	SHEET 3 OF 30	

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900984-001	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 364 FT TOTAL LENGTH
	2	1	2900984-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 45.5 FT TOTAL LENGTH
	3	1	2900984-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA 4 FT TOTAL LENGTH
4	4	91	1016369-421	CONTACT, SOCKET
4	5	1	2901434-011 ~~1897336-001~~	CONNECTOR
4	6	1	1897207-201	CONNECTOR
4	7	X	1897190-002	CONTACT SOCKET (FURNISHED WITH ITEM 6)
4	8	91	1010763-002	SOLDER SLEEVE
4	9	182	1010490-232	INSULATION SLEEVING SHRINK FIT.
4	10	12	1016006-002	SPLICE REDUCER
4	11	12	1010490-258	INSULATION SLEEVING SHRINK FIT.
	12		1015902-003	DELETED
	13	1	2900984-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3.5 FT TOTAL LENGTH
	14	1	2900984-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
4	15	3	1016128-021	BAND IDENTIFICATION
4	16	1	1010933-105	CLAMP, STRAIN RELIEF

SIZE A	CODE IDENT NO. 99974	2900984	
SCALE-NONE	REV LTR E	SHEET 4 OF 30	

MIL 2084 9-65

LIST OF MATERIALS

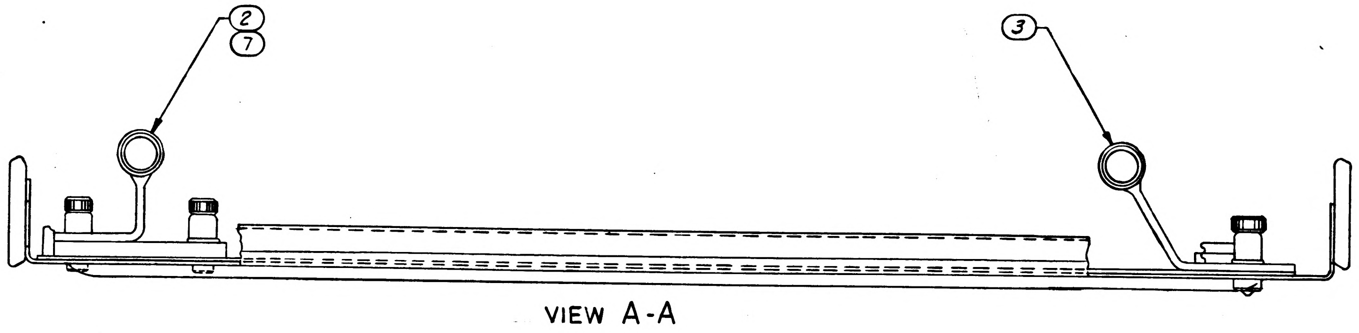
SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T(BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK
	19		1010490-166	DELETED
4	20	1	1897391	CLAMP, CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
	23	1	1016369-721	CONTACT, SOCKET

SIZE A	CODE IDENT NO. 99974	2900984	
SCALE-NONE	REV LTR E	SHEET 5 OF 30	

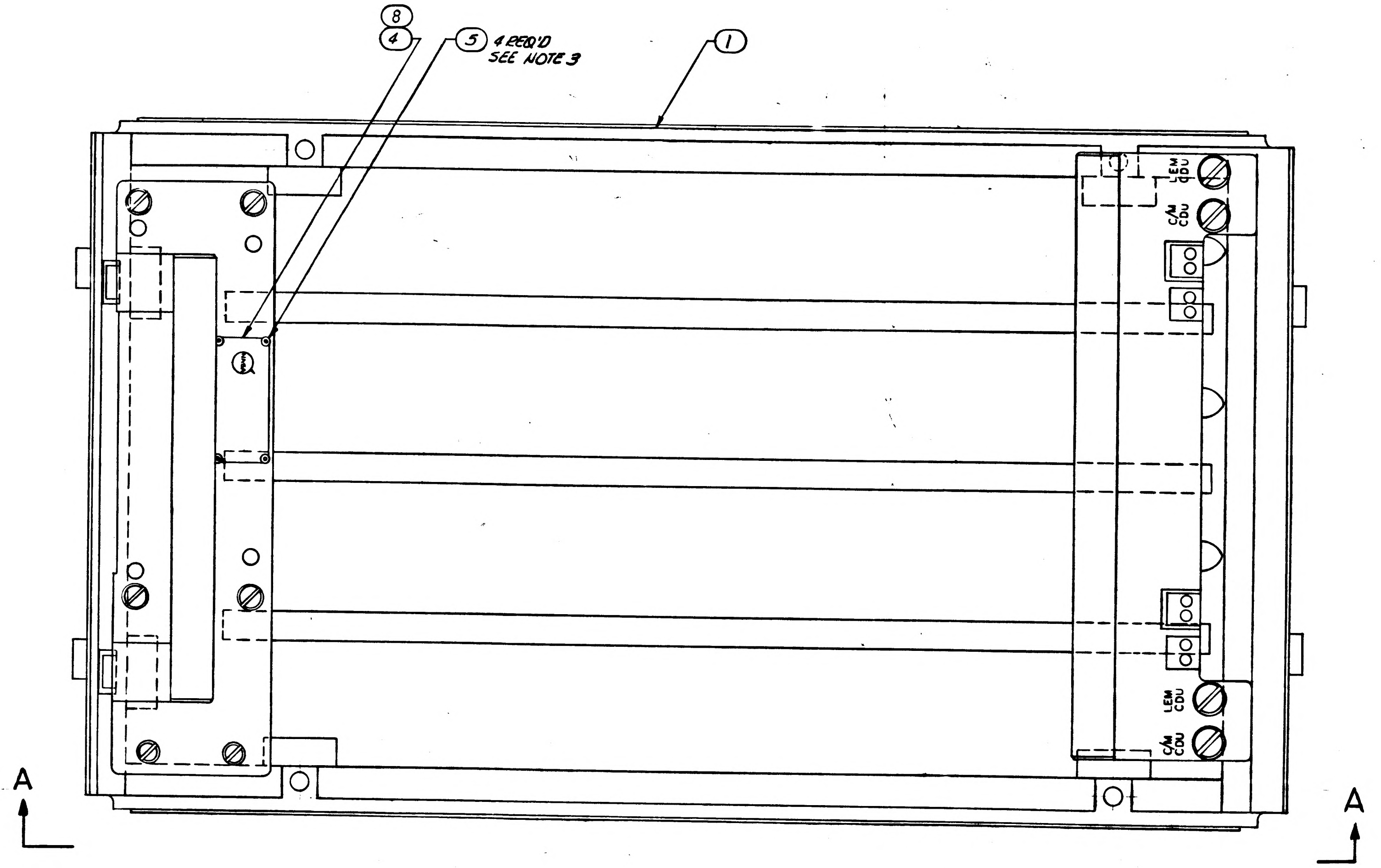
MIL 2084 9-65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. SECURE ITEM ⑤ USING ITEM ⑥.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	
	B	REVISED PER TDRR 32114		5 DEC 66	



VIEW A-A



SEE NOTE 2

		1			8	1004260-546	NAMEPLATE, APOLLO GSE
		1			7	2901573	HANDLE, LEFT HAND, INSEP ASSY
		AR	AR		6	MIL-S-22473, GRADE H	SEALING COMPOUND (ES-2544-5)
		4	4		5	1006783-9	SCREW, BUTTON HEAD
			1		4	1004260-174	NAMEPLATE, APOLLO GSE
		1	1		3	2900996	HANDLE, RIGHT HAND, INSEP ASSY
			1		2	2900995	HANDLE, LEFT HAND, INSEP ASSY
		1	1		1	2900994	COVER, INSEP ASSY
		021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

	1900030	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS + — −
3 PLACE DECIMALS + — −
ANGLES + — −

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN A.J. Fluder DATE 25 JAN 66
CHECKED
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

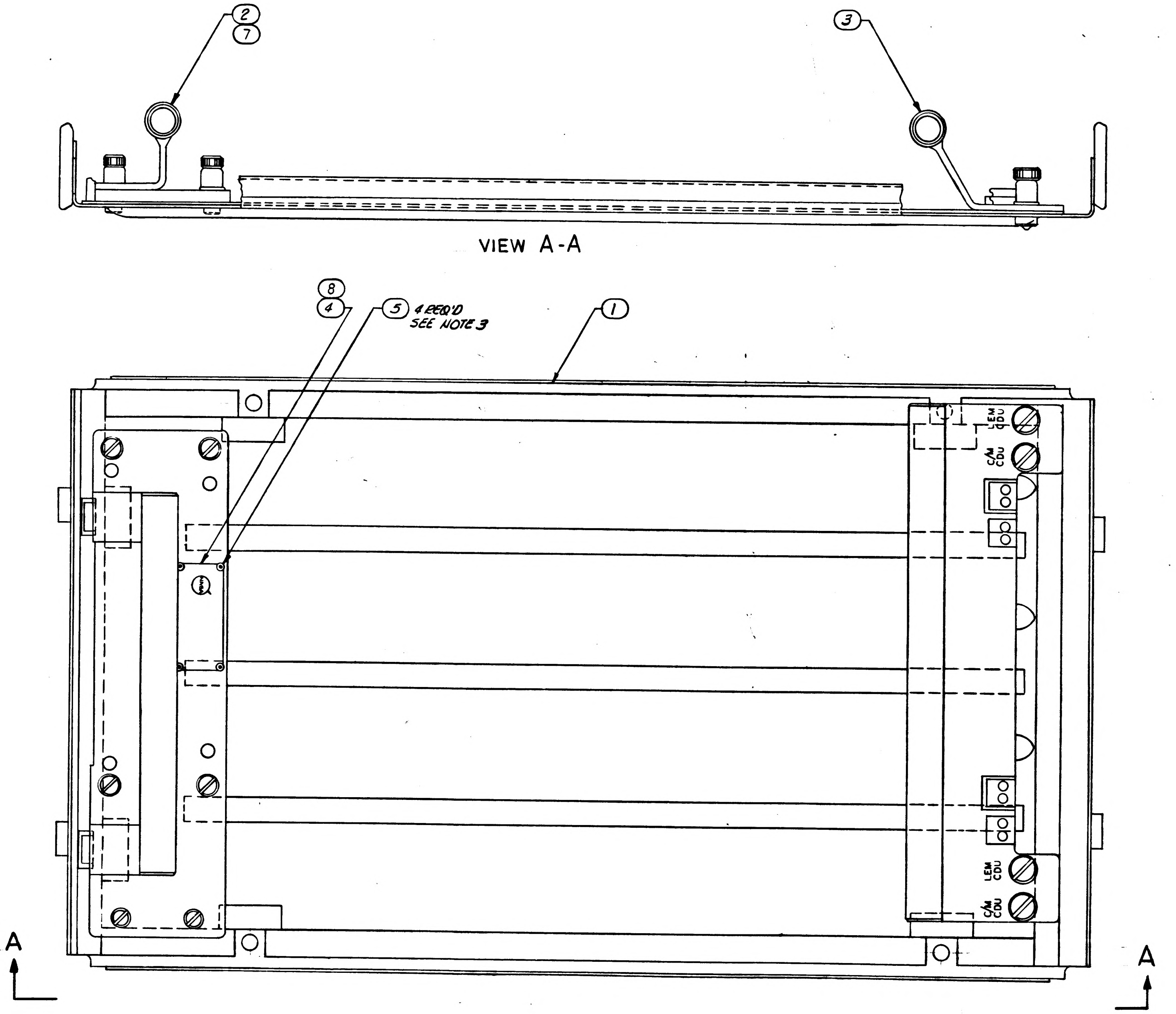
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

FIXTURE, HANDLING-
C/M & LEM CDU
ASSEMBLY

SIZE E
CODE IDENT NO. 99974
2900999
SCALE 1:1
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. SECURE ITEM ⑤ USING ITEM ⑥.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	
	B	REVISED PER TDRR 32114		5 DEC 66	



SEE NOTE 2

		1			8	1004260-546	NAMEPLATE, APOLLO GSE
		1			7	2901573	HANDLE, LEFT HAND, INSEP ASSY
		AR	AR		6	MIL-S-22473 GRADE H	SEALING COMPOUND (ES-2544-5)
		4	4		5	1006783-9	SCREW, BUTTON HEAD
			1		4	1004260-174	NAMEPLATE, APOLLO GSE
		1	1		3	2900996	HANDLE, RIGHT HAND, INSEP ASSY
			1		2	2900995	HANDLE, LEFT HAND, INSEP ASSY
		1	1		1	2900994	COVER, INSEP ASSY
		021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS + — −
3 PLACE DECIMALS + — −
ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN A.J. Fluder DATE 25-JAN-66
CHECKED
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

FIXTURE, HANDLING-
C/M & LEM CDU
ASSEMBLY

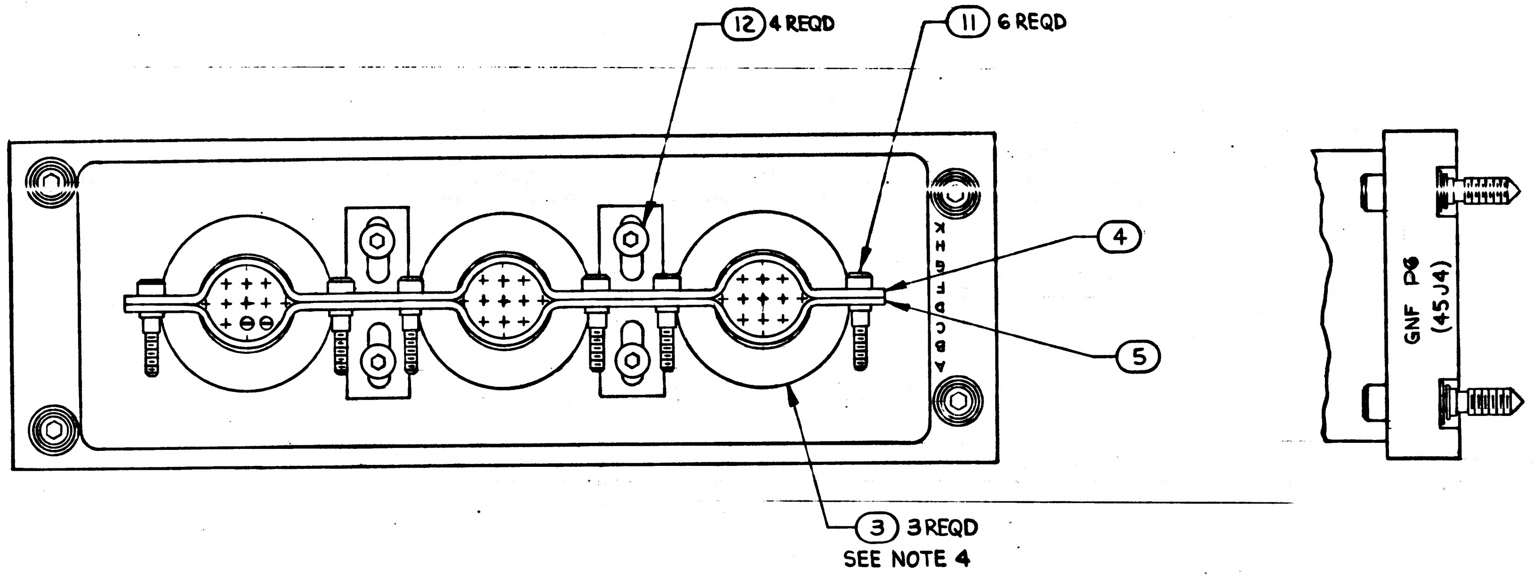
SIZE E
CODE IDENT NO. 99974
2900999
SCALE 1:1
SHEET 1 OF 1

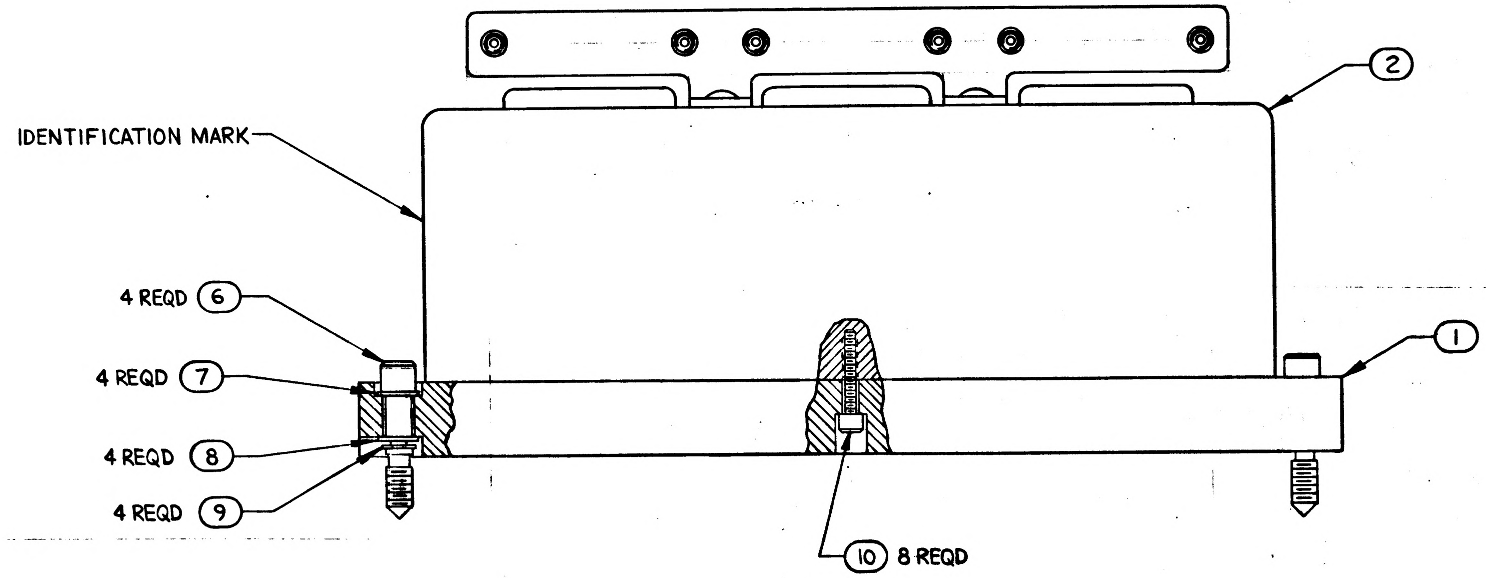
4-4-66

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
3. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
4. SPLIT GROMMET PER MS 35489.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMS





SEE NOTE 3

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			4		12	1006783-18	SCREW, BUTTON HD
			6		11	MS 16995-11	SCREW, CAP, SOC HD
			8		10	MS 16995-10	SCREW, CAP, SOC HD
			4		9	MS 16633-4015	RING, RETAINING, EXTERNAL
			4		8	1004546-3	WASHER, FLAT
			4		7	1004546-1	WASHER, FLAT
			4		6	1004579-3	SCREW, JACKING
			1		5	2901017	CLAMP, ELECTRICAL CABLE (INSEP)
			1		4	2901016	CLAMP, ELECTRICAL CABLE
			3		3	MS 35489-74	GROMMET, RUBBER
			1		2	2901015	SHELL, ELECTRICAL CONNECTOR
			1		1	2901014	BASE, ELECTRICAL CONNECTOR

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900915	2900673-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES
+ — + — + —
− — − — − —
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. Parks DATE 27 DEC 65
CHECKED M. Manning 29 DEC 65
APPROVAL L Goldman 3/1/66
CONTRACT NAS 9-497
A. C. METZGER
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG,
ELECTRICAL-
GNF P6(45J4)

SIZE D
CODE IDENT NO. 99974
2901019
SCALE 2/1
SHEET 1 OF 1

Charleston 29 DEC 65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 161	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 161B	2		E14-B SHLD A161					.25 .25	NO NO			
A 161W			P1-411 P3-B5					.15 .19	NO NO		7, 18 4	
A 162	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 162B	2		E14-B SHLD A162					.25 .25	NO NC			
A 162W			P1-412 P3-B6					.15 .19	NO NO		7, 18 4	
A 163	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 163B	2		E14-B SHLD A163					.25 .25	NO NO			
A 163W			P1-413 P3-B7					.15 .19	NO NO		7, 18 4	
A 164	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 164B	2		E14-B SHLD A164					.25 .25	NO NO			
A 164W			P1-414 P3-B8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 47 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 165	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 165B	2		E15-B SHLD A165					.25 .25	NO NO			
A 165W			P1-415 P3-C1					.15 .19	NO NO		7, 18 4	
A 166	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 166B	2		E15-B SHLD A166					.25 .25	NO NO			
A 166W			P1-416 P3-C2					.15 .19	NO NO		7, 18 4	
A 167	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 167B	2		E15-B SHLD A167					.25 .25	NO NO			
A 167W			P1-417 P3-C3					.15 .19	NO NO		7, 18 4	
A 168	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 168B	2		E15-B SHLD A168					.25 .25	NO NO			
A 168W			P1-418 P3-C4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 48 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 169B	2		E15-B SHLD A169					.25 .25	NO NO			
A 169W			P1-419 P3-C5					.15 .19	NO NO		7, 18 4	
A 170	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 170B	2		E15-B SHLD A170					.25 .25	NO NO			
A 170W			P1-420 P3-C6					.15 .19	NO NO		7, 18 4	
A 171	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 171B	2		E15-B SHLD A171					.25 .25	NO NO			
A 171W			P1-421 P3-C7					.15 .19	NO NO		7, 18 4	
A 172	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 172B	2		E15-B SHLD A172					.25 .25	NO NO			
A 172W			P1-422 P3-C8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 49 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 173	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 173B	2		E15-B SHLD A173					.25 .25	NO NO			
A 173W			P1-423 P3-D1					.15 .19	NO NO		7, 18 4	
A 174	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 174B	2		E15-B SHLD A174					.25 .25	NO NO			
A 174W			P1-424 P3-D2					.15 .19	NO NO		7, 18 4	
A 175	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 175B	2		E15-B SHLD A175					.25 .25	NO NO			
A 175W			P1-425 P3-D3					.15 .19	NO NO		7, 18 4	
A 176	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 176B	2		E15-B SHLD A176					.25 .25	NO NO			
A 176W			P1-426 P3-D4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 50 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 177	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 177B	2		E16-B SHLD A177					.25 .25	NO NO			
A 177W			P1-427 P3-D5					.15 .19	NO NO		7, 18 4	
A 178	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 178B	2		E16-B SHLD A178					.25 .25	NO NO			
A 178W			P1-428 P3-D6					.15 .19	NO NO		7, 18 4	
A 179	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 179B	2		E16-B SHLD A179					.25 .25	NO NO			
A 179W			P1-429 P3-D7					.15 .19	NO NO		7, 18 4	
A 180	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 180B	2		E16-B SHLD A180					.25 .25	NO NO			
A 180W			P1-430 P3-D8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR D		SHEET 51 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 181B	2		E16-B SHLD A181					.25 .25	NO NO			
A 181W			P1-431 P3-E1					.15 .19	NO NO		7, 18 4	
A 182	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 182B	2		E16-B SHLD A182					.25 .25	NO NO			
A 182W			P1-432 P3-E2					.15 .19	NO NO		7, 18 4	
A 183	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 183B	2		E16-B SHLD A183					.25 .25	NO NO			
A 183W			P1-433 P3-E3					.15 .19	NO NO		7, 18 4	
A 184	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 184B	2		E16-B SHLD A184					.25 .25	NO NO			
A 184W			P1-434 P3-E4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR D		SHEET 52 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 185	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 185B	2		E16-B SHLD A185					.25 .25				
A 185W			P1-435 P3-E5					.15 .19			7, 18 4	
A 186	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 186B	2		E16-B SHLD A186					.25 .25				
A 186W			P1-436 P3-E6					.15 .19			7, 18 4	
A 187	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 187B	2		E16-B SHLD A187					.25 .25				
A 187W			P1-437 P3-E7					.15 .19			7, 18 4	
A 188	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 188B	2		E16-B SHLD A188					.25 .25				
A 188W			P1-438 P3-E8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR D		SHEET 53 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 189	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 189B	2		E17-B SHLD A189					.25 .25				
A 189W			P1-439 P3-F1					.15 .19			7, 18 4	
A 190	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 190B	2		E17-B SHLD A190					.25 .25				
A 190W			P1-440 P3-F2					.15 .19			7, 18 4	
A 191	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 191B	2		E17-B SHLD A191					.25 .25				
A 191W			P1-441 P3-F3					.15 .19			7, 18 4	
A 192	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 192B	2		E17-B SHLD A192					.25 .25				
A 192W			P1-442 P3-F4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR D		SHEET 54 OF 85

MIL 2084 9-65

APPLICATION		REVISIONS 23419			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION (-) WITH CHANGE. WAS "D" SIZE, SH 1 OF 1.		
		B	REVISED PER MXC 204732	13 SEP 65	JWP J.E.G.
		C	REVISED PER MXC 205384	28 SEP 65	JWP J.E.G.
		D	REVISED PER MXC 309800	4 OCT 65	JWP J.E.G.
		E	REVISED PER MXC309801	15 OCT 65	EF
		F	REVISED PER MXC 206185	19 OCT 65	JWP W.D.
		G	INITIAL RELEASE CLASS A PER TDRR 23419		JR

REPLACES REV + WITH CHANGE

REV	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
REV STATUS OF SHEETS REV									G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
SHEET									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN
DRAWN MAHAS DATE 29 JUL 65
CHECKED 12 AUG 65
APPROVAL
APPROVAL 10/20/65
NASA APPROVAL
MIT APPROVAL

WIRING HARNESS B

CODE IDENT NO.	SIZE		REV
99974	A	2900542	G

CONTRACT NAS 9-497
SCALE —
SHEET 1 OF 209

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	G	81	G	117	G	153	G	189	G														
46	G	82	G	118	G	154	G	190	G														
47	G	83	G	119	G	155	G	191	G														
48	G	84	G	120	G	156	G	192	G														
49	G	85	G	121	G	157	G	193	G														
50	G	86	G	122	G	158	G	194	G														
51	G	87	G	123	G	159	G	195	G														
52	G	88	G	124	G	160	G	196	G														
53	G	89	G	125	G	161	G	197	G														
54	G	90	G	126	G	162	G	198	G														
55	G	91	G	127	G	163	G	199	G														
56	G	92	G	128	G	164	G	200	G														
57	G	93	G	129	G	165	G	201	G														
58	G	94	G	130	G	166	G	202	G														
59	G	95	G	131	G	167	G	203	G														
60	G	96	G	132	G	168	G	204	G														
61	G	97	G	133	G	169	G	205	G														
62	G	98	G	134	G	170	G	206	G														
63	G	99	G	135	G	171	G	207	G														
64	G	100	G	136	G	172	G	208	G														
65	G	101	G	137	G	173	G	209	G														
66	G	102	G	138	G	174	G																
67	G	103	G	139	G	175	G																
68	G	104	G	140	G	176	G																
69	G	105	G	141	G	177	G																
70	G	106	G	142	G	178	G																
71	G	107	G	143	G	179	G																
72	G	108	G	144	G	180	G																
73	G	109	G	145	G	181	G																
74	G	110	G	146	G	182	G																
75	G	111	G	147	G	183	G																
76	G	112	G	148	G	184	G																
77	G	113	G	149	G	185	G																
78	G	114	G	150	G	186	G																
79	G	115	G	151	G	187	G																
80	G	116	G	152	G	188	G																

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION G

NASA DRAWING NO.
2900542
SHEET 2 OF 209

WIRING HARNENESS B 2900542 G

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - NC1002032
B - ND1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 109.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 109.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

9 UNLESS OTHERWISE SPECIFIED APPLY LEAD INDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 112 OR ITEMS 110 AND 1

11 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 3 OF ~~208~~ 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

NOTE NUMBER — GENERAL NOTES DESCRIPTION

12 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
K - BLACK, WHITE WITH LETTER K OR WHITE WITH BLACK TRACER.
L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER
R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER.
W - WHITE OR WHITE WITH LETTER W.
X - COAX OUTER CONDUCTOR
Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.

13 MARK ITEMS 81 AND 139 PER ND1002019, COLOR BLACK, .12 HIGH IN VIEW X-X AND Y-Y. MARK WITH HARNESS PLUG DESIGINATION AND MATING RECEPTACLE DESIGINATION SHOWN IN TABLE 1

14 USE ITEM 125 AS REQUIRED TO PROVIDE CLAMPING

15 UNLESS OTHERWISE SPECIFIED TUBING SHALL EXTEND A MINIMUM OF .5 INCH BEYOND CABLE CLAMPS SHOWN IN DETAILS A THRU S AND WITHIN 2 INCHS OF THEIR RESPECTIVE DATUMS

16 ON CONDUCTOR 568 MARK LEAD IDENTIFICATIONS PER ND1002019 INCLUDING SUFFIXES

17 THE FOLLOWING CONDUCTORS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER.
568K, 568L, 568R, 568Y

18 TOLERANCE FOR STRIP LENGTHS ON ITEM 118 TO BE PLUS .06, MINUS .00

19 CONNECTORS MUST HAVE A MINIMUM OF THREE CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32 TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

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NOTE NUMBER — GENERAL NOTES DESCRIPTION

20 USE TOLERANCE CHART UNLESS OTHERWISE SPECIFIED

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

21 LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 138 WHENEVER ITEMS 2,9,& 142 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .06 IN.

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900542-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT
	2	1	2900542-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT
	3	1	2900542-003	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT
	4	1	2900542-004	WIRE, ND1002181, TYPE 1, CLASS 1, 18AWG, WHT
	5	1	2900542-005	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 22AWG, WHT
	6	1	2900542-006	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 20AWG, WHT
	7	1	2900542-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 24AWG, WHT/RED, WHT/BLU
	8	1	2900542-008	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 20AWG, WHT/RED, WHT/BLU
	9	1	2900542-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 16AWG, WHT/RED, WHT/BLU
	10	1	2900542-010	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 22AWG, WHT/RED, WHT/BLU
	11	1	2900542-011	WIRE, ND1002181, TYPE 1, CLASS 1, 4AWG, WHT
	12	2	MS3126F14-19S	(1897040-190) CONNECTOR PLUG, ELEC
	13	2	MS3126F22-55P	(1897045-550) CONNECTOR PLUG, ELEC
	14	1	MS3126F22-55PW	(1897045-551) CONNECTOR PLUG, ELEC
7	15	3	1015907-100	CONNECTOR PLUG, ELEC

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WIRING HARNENESS B 2900542 G ε X

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	8	MS3126F16-8S	(1897042-080) CONNECTOR PLUG, ELEC
	17	1	MS3126F24-61PZ	(1897047-614) CONNECTOR PLUG, ELEC
7	18	2	1015907-103	CONNECTOR PLUG, ELEC
7	19	4	1897330-001	CLAMP, CABLE, ELEC
	20	1	MS3126F22-55PX	(1897045-552) CONNECTOR PLUG, ELEC
	21	1	MS3126F22-55SY	(1897046-553) CONNECTOR PLUG, ELEC
	22	1	MS3126F12-10P	(1897038-100) CONNECTOR PLUG, ELEC
	23	7	MS3126F24-61SW	(1897048-611) CONNECTOR PLUG, ELEC
	24	9	MS3126F24-61S	(1897048-610) CONNECTOR PLUG, ELEC
	25	1	MS3126F20-16S	(1897044-160) CONNECTOR PLUG, ELEC
	26	6	MS3126F24-61SX	(1897048-612) CONNECTOR PLUG, ELEC
	27	1	MS3126F12-10SW	(1897039-101) CONNECTOR PLUG, ELEC
	28	1	MS3126F12-10S	(1897039-100) CONNECTOR PLUG, ELEC
	29	1	MS3126F24-61SZ	(1897048-614) CONNECTOR PLUG, ELEC
	30	1	MS3126F16-8SW	(1897042-081) CONNECTOR PLUG, ELEC
	31	1	MS3126F10-6S	(1897026-060) CONNECTOR PLUG, ELEC
	32	1	MS3126F20-41P	(1897043-410) CONNECTOR PLUG, ELEC
7	33	2	1897215-011	CONNECTOR PLUG, ELEC

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WIRING HARNENESS B 2900542 G ε X

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	9	1015922-001	CONNECTOR PLUG, ELEC
7	35	2	1015907-101	CONNECTOR PLUG, ELEC
7	36	1	1015907-102	CONNECTOR PLUG, ELEC
7	37	1	1015907-104	CONNECTOR PLUG, ELEC
	38	2	MS3126F24-61SY	(1897048-613) CONNECTOR PLUG, ELEC
	39	1	MS3126F14-19P	(1897089-190) CONNECTOR PLUG, ELEC
7	40	1	1015906-100	CONNECTOR RECEP, ELEC
7	41	1	1015906-101	CONNECTOR RECEP, ELEC
7	42	1	1015906-102	CONNECTOR RECEP, ELEC
7	43	1	1015906-103	CONNECTOR RECEP, ELEC
7	44	1	1015906-104	CONNECTOR RECEP, ELEC
	45	1	MS3127E24-61PY	(1897055-613) CONNECTOR RECEP, ELEC
	46	1	MS3127E24-61PZ	(1897055-614) CONNECTOR RECEP, ELEC
	47	1	MS3127E24-61S	(1897056-610) CONNECTOR RECEP, ELEC
	48	1	MS3127E20-41PW	(1897051-411) CONNECTOR RECEP, ELEC
	49	1	MS3127E14-15S	(1897116-150) CONNECTOR RECEP, ELEC
	50	1	MS3127E22-55PX	(1897053-552) CONNECTOR RECEP, ELEC
	51	1	MS3127E22-55PY	(1897053-553) CONNECTOR RECEP, ELEC

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	52	1	MS3127E22-55PZ	(1897053-554) CONNECTOR RECEP, ELEC
	53	1	MS3127E22-55SW	(1897054-551) CONNECTOR RECEP, ELEC
	54	1	MS3127E22-55SX	(1897054-552) CONNECTOR RECEP, ELEC
	55	1	MS3127E22-55SY	(1897054-553) CONNECTOR RECEP, ELEC
	56	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEP, ELEC
7	57	1	1897214-011	CONNECTOR RECEP, ELEC
7	58	1	1897214-012	CONNECTOR RECEP, ELEC
7	59	1	1897214-013	CONNECTOR RECEP, ELEC
7	60	1	1897215-013	CONNECTOR
7	61	1	1897215-012	CONNECTOR
	62	1	MS3126F20-41S	(1897044-410) CONNECTOR
	63	1	MS3106A18-1P	(1897084-010) CONNECTOR PLUG
7	64	1	1016282- 10	GROMMET, CONNECTOR
7	65	3	1016282- 12	GROMMET, CONNECTOR
7	66	3	1016282- 14	GROMMET, CONNECTOR
7	67	9	1016282- 16	GROMMET, CONNECTOR
7	68	4	1016282- 18	GROMMET, CONNECTOR
7	69	5	1016282- 22	GROMMET, CONNECTOR

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	70	26	1016282- 24	GROMMET, CONNECTOR
7	71	4	1897331-001	ADAPTER, CABLE CLAMP
7	72	35	1016006-003	SPLICE REDUCER
7	73	25	1015902- 45	TERMINAL LUG
7	74	72	1015902- 3	TERMINAL LUG, RING TONGUE, CRIMP
	75		1016295-012	DELETED
	76		1016295-009	DELETED
	77		1016048- 15	DELETED
	78	16	1900448- 11	CLAMP, CABLE, BRACKET ASSY
	79	31	MS21919-WDG2 THRU MS21919-WDG32	(1897073-202 THRU 1897073-224) CLAMP-LOOP TYPE, CUSHIONED (SELECTED AS REQUIRED)
7	80	9	1015905-061	CLAMP, STRAIN RELIEF
7	81	57	1016128-011	BAND, IDENTIFICATION
7	82	34	1010490-198	INSULATION-SLEEVING, ELEC
7	83	100	1010490-196	INSULATION-SLEEVING, ELEC
	84	1	2900542-018	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .50 DIA
	85	1	2900542-019	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .75 DIA
	86	1	2900542-020	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .88 DIA

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	87	1	2900542-021	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.00 DIA
	88	1	2900542-022	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.25 DIA
	89	1	2900542-023	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.50 DIA
7	90	~~62~~ 64	1015908- 11	PIN CONTACT
7	91	50	1015908- 41	OUTER MALE BODY
7	92	~~113~~ 115	1015908- 51	HYRING
7	93	50	1015908- 21	SOCKET CONTACT
7	94	~~63~~ 65	1015908- 31	OUTER FEMALE BODY
7	95	6	1897228-001	COAX CABLE HOUSING CONN.
7	96	106	1897229-001	PIN CONTACT ASSY
7	97	106	1897229-002	RETENTION SPRING
7	98	106	1897229-003	FERRULE
7	99	4	1897333-001	SPLICE, CONDUCTOR
7	100	3	1016369-712	INNER SUPPORT SLEEVE
7	101	3	1016369-713	OUTER SUPPORT SLEEVE
	102		1901464-004	DELETED
7	103	31	1006783-045	SCREW, BUTTON HEAD

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	104		1006783-044	DELETED
	105		MS35234-69	DELETED
	106	31	AN960C10L	(1897006- 19) WASHER, FLAT
	107		MS35338-081	DELETED
7	108	31	1896990-011	NUT, SELF LOCKING
	109	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO. 18)
	110	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	111	AR	MIL-F-14256	FLUX (ES2798)
	112	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
7	113	~~484 486~~ 491	1897266-001	CONTACT, RECEP, ELEC
	114		MS3192A-20A	(1896855-020) CONTACT, PIN(FURNISHED WITH CONN)
	115		MS3193A-20A	(1896877-020) CONTACT, SOCKET(FURNISHED WITH CONN)
	116		MS3192-16A	(1896855-016) CONTACT, PIN(FURNISHED WITH CONN)
	117		MS3193-16A	(1896877-016) CONTACT, SOCKET(FURNISHED WITH CONN)
	118	1	2900542-012	CABLE, RF, COAXIAL, MIL-C-17 RG188/U
7	119	~~245~~ 246	1010763-002	SLEEVE, SOLDER, ELEC
7	120	~~744~~ 743	1010490-228	INSULATION-SLEEVING, ELEC

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	121	16	1010763- 3	SLEEVE, SOLDER, ELEC
	122		2900542-013	DELETED
7	123	52	1897267	CONNECTOR RECEP, ELEC
7	124	~~18~~ 20	1010490-232	INSULATION-SLEEVING, ELEC
	125	1	2900542-025	INSULATION, ELEC, MIL-I-631, TYPE F, FORM S, .62 IN. WIDE X .040 IN. THICK, GRADE A, CLASS 1 BLACK
7	126	12	1016281-180	CONTACT-PIN
7	127	35	1016281-181	CONTACT-SOCKET
7	128	94	1016369-588	HYRING
7	129	26	1016369-288	CONTACT-OUTER MALE
7	130	27	1016369-388	CONTACT-INNER FEMALE
7	131	68	1016369-488	CONTACT-OUTER FEMALE
7	132	69	1016369-188	CONTACT-INNER MALE
7	133	6	1016369-420	CONTACT-MALE NO. 20
7	134	~~68~~ 67	1016369-421	CONTACT-FEMALE NO. 20
7	135	3	1016369-720	CONTACT-MALE NO. 16
7	136	2	1016369-721	CONTACT-FEMALE NO. 16
	137	1	2900542-014	WIRE, ND1002181, TYPE III, CLASS 1, T3, WHT, 22AWG, MARKED R,L,Y

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	138	42	1897266-004	CONTACT, RECEPT, ELECT
7	139	66	1015864-462	INSULATION SLEEVING
	140	1	2900542-015	WIRE, ND1002181, TYPE II, CLASS 1, T2, 22AWG, WHT MARKED L,R
	141		2900542-016	DELETED
	142	1	2900542-017	WIRE, ND1002181, TYPE II, CLASS 1, T2, 16AWG, WHT MARKED L,R
	143	1	2900542-024	WIRE ND1002181 TYPE 3 CLASS 4, WHT JACKET, 20AWG WHT/RED WHT/BLU WHT/YEL
7	144	2	1897342-003	LUG, TERMINAL

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 1E			J8-G1 P12-G1	27 126				.11 .11	NO NO		93 90	
B 1X			J8-G2 P12-G2	27 126								
B 2	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 2E			J8-J1 P12-J1	27 126				.11 .11	NO NO		93 90	
B 2X			J8-J2 P12-J2	27 126								
B 3	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 3E			J8-K1 P12-K1	27 126				.11 .11	NO NO		93 90	
B 3X			J8-K2 P12-K2	27 126								
B 4	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 4E			J8-H1 P12-H1	27 126				.11 .11	NO NO		93 90	
B 4X			J8-H2 P12-H2	27 126								

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 5E			J8-A1 P127A-1A	27 170A				.11 .11	NO NO		93 96	
B 5X			J8-A2 P127A-1B	27 170A								
B 6	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 6E			J8-B1 P127A-2A	27 170A				.11 .11	NO NO		93 96	
B 6X			J8-B2 P127A-2B	27 170A								
B 7	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 7E			J8-C1 P127A-3A	27 170A				.11 .11	NO NO		93 96	
B 7X			J8-C2 P127A-3B	27 170A								
B 8	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 8E			J8-D1 P127A-4A	27 170A				.11 .11	NO NO		93 96	
B 8X			J8-D2 P127A-4B	27 170A								

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 9	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 9E			J8-E1 P127A-5A	27 170A				.11 .11	NO NO		93 96	
B 9X			J8-E2 P127A-5B	27 170A								
B 10	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 10E			J8-F1 P127A-6A	27 170A				.11 .11	NO NO		93 96	
B 10X			J8-F2 P127A-6B	27 170A								
B 11	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 11B	1		P14-H SHLD B11	27				.22 .25	NO NO		114	
B 11E			J9-C1 P14-J	27 197				.11 .22	NO NO		93 114	
B 11X			J9-C2 SHLD B11	27								
B 12	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 12B	1		P14-G SHLD B12	197				.22 .25	NO NO		114	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 12E			J9-D1 P14-F	25 197				.11 .22	NO NO		93 114	
B 12X			J9-D2 SHLD B12	25								
B 13	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 13E			J9-E1 P127A-9A	25 170A				.11 .11	NO NO		93 96	
B 13X			J9-E2 P127A-9B	25 170A								
B 14	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 14E			J9-F1 P127A-10A	25 170A				.11 .11	NO NO		93 96	
B 14X			J9-F2 P127A-10B	25 170A								
B 15	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 15E			J9-G1 P127A-11A	25 170A				.11 .11	NO NO		93 96	
B 15X			J9-G2 P127A-11B	25 170A								
B 16	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG			CESSORY EMS	REMARKS
B	16E		J9-J1 P127A-13A	25 170A				.11 .11			93 96	
B	16X		J9-J2 P127A-13B	25 170A								
B	17	118			.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B	17E		J9-A1 P12-A1	25 126				.11 .11	NO NO		93 90	
B	17X		J9-A2 P12-A2	25 126								
B	18	118			.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B	18E		J9-B1 P12-B1	25 126				.11 .11	NO NO		93 90	
B	18X		J9-B2 P12-B2	25 126								
B	19	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	19E		J9-K1 P127A-14A	25 170A				.11 .11	NO NO		93 96	
B	19X		J9-K2 P127A-14B	25 170A								
B	20	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	20E		J9-H1 P127A-12A	25 170A				.11 .11	NO NO		93 96	
B	20X		J9-H2 P127A-12B	25 170A								
B	21	118			.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B	21B	1	P14-C• SHLD B21	197				.22 .25	NO NO		114	
B	21E		J13-A1 P14-D•	29 197				.11 .22	NO NO		93 114	
B	21X		J13-A2 SHLD B21	29								
B	22	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	22E		J13-E1 P127A-17A	29 170A				.11 .11	NO NO		93 96	
B	22X		J13-E2 P127A-17B	29 170A								
B	23	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	23E		J13-F1 P127A-18A	29 170A				.11 .11	NO NO		93 96	
B	23X		J13-F2 P127A-18B	29 170A								

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A 2900542

SCALE-NONE REV LTR G SHEET 20 OF 209

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	24	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	24E		J13-G1 P127A-19A	29 170A				.11 .11	NO NO		93 96	
B	24X		J13-G2 P127A-19B	29 170A								
B	25	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	25E		J13-J1 P127A-21A	29 170A				.11 .11	NO NO		93 96	
B	25X		J13-J2 P127A-21B	29 170A								
B	26	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	26E		J13-K1 P127A-24A	29 170A				.11 .11	NO NO		93 96	
B	26X		J13-K2 P127A-24B	29 170A								
B	27	118			.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B	27E		J13-H1 P127A-20A	29 170A				.11 .11	NO NO		93 96	
B	27X		J13-H2 P127A-20B	29 170A								

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A 2900542

SCALE-NONE REV LTR G SHEET 21 OF 209

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	28	118			.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B	28B	1	P26-P• SHLD B28	194				.22 .25	NO NO		115	
B	28E		J13-B1 P26-N•	29 194				.11 .22	NO NO		93 115	
B	28X		J13-B2 SHLD B28	29								
B	29	118			.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B	29B	1	P25-V• SHLD B29	195				.22 .25	NO NO		115	
B	29E		J13-D1 P25-U•	29 195				.11 .22	NO NO		93 115	
B	29X		J13-D2 SHLD B29	29								
B	30	118			.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B	30B	1	P25-Z• SHLD B30	195				.22 .25	NO NO		115	
B	30E		J13-C1 P25-Y•	29 195				.11 .22	NO NO		93 115	
B	30X		J13-C2 SHLD B30	29								

MANNED
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CENTER
HOUSTON, TEXAS

SIZE A 2900542

SCALE-NONE REV LTR G SHEET 22 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 31B	1		P26-PP SHLD B31	194				.22 .25	NO NO		115	
B 31E			J14-K1 P26-NN	28 194				.11 .22	NO NO		93 115	
B 31X			J14-K2 SHLD B31	28								
B 32	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 32B	1		P15-Y SHLD B32	198				.22 .25	NO NO		114	
B 32E			J14-A1 P15-Z	28 198				.11 .22	NO NO		93 114	
B 32X			J14-A2 SHLD B32	28								
B 33	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 33E			J14-B1 P128A-1A	28 171				.11 .11	NO NO		93 96	
B 33X			J14-B2 P128A-1B	28 171								
B 34	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~C~~ G
SHEET 23 OF
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34E			J14-C1 P128A-2A	28 171				.11 .11	NO NO		93 96	
B 34X			J14-C2 P128A-2B	28 171								
B 35	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 35E			J14-D1 P128A-3A	28 171				.11 .11	NO NO		93 96	
B 35X			J14-D2 P128A-3B	28 171								
B 36	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 36E			J14-E1 P128A-4A	28 171				.11 .11	NO NO		93 96	
B 36X			J14-E2 P128A-4B	28 171								
B 37	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	
B 37E			J14-F1 P128A-5A	28 171				.11 .11	NO NO		93 96	
B 37X			J14-F2 P128A-5B	28 171								
B 38	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~C~~ G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 38E			J15-A1 P128A-8A	26 171				.11 .11	NO NO		93 96	
B 38X			J15-A2 P128A-8B	26 171								
B 39	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 39B	1		P14-V SHLD B39	197				.22 .25	NO NO		114	
B 39E			J15-B1 P14-U	26 197				.11 .22	NO NO		93 114	
B 39X			J15-B2 SHLD B39	26								
B 40	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 40E			J15-G1 P128A-10A	26 171				.11 .11	NO NO		93 96	
B 40X			J15-G2 P128A-10B	26 171								
B 41	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 41E			J15-J1 P128A-12A	26 171				.11 .11	NO NO		93 96	
B 41X			J15-J2 P128A-12B	26 171								

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900542
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REV LTR ~~C~~ G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 42E			J15-K1 P128A-13A	26 171				.11 .11	NO NO		93 96	
B 42X			J15-K2 P128A-13B	26 171								
B 43	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 43E			J15-H1 P128A-11A	26 171				.11 .11	NO NO		93 96	
B 43X			J15-H2 P128A-11B	26 171								
B 44	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 44E			J15-C1 P128A-9A	26 171				.11 .11	NO NO		93 96	
B 44X			J15-C2 P128A-9B	26 171								
B 45	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 45B	1		P14-H● SHLD B45	197				.22 .25	NO NO		114	
B 45E			J15-D1 P14-I●	26 197				.11 .22	NO NO		93 114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~C~~ G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45X			J15-D2 SHLD B45	26								
B 46	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 46B	1		P14-K SHLD B46	197				.22 .25	NO NO		114	
B 46E			J15-E1 P14-L	26 197				.11 .22	NO NO		93 114	
B 46X			J15-E2 SHLD B46	26								
B 47	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 47B	1		P14-Y SHLD B47	197				.22 .25	NO NO		114	
B 47E	1		J15-F1 P14-Z	26 197				.11 .22	NO NO		93 114	
B 47X			J15-F2 SHLD B47	26								
B 48	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 48B	1		P104D-31 SHLD B48	68				.12 .25	NO NO		113	
B 48L			J16-H• P104D-12	20 68				.22 .12	NO NO		114 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 27 OF ~~208~~ 209
MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48R			J16-G• P104D-11	20 68				.22 .12	NO NO		114 113	
B 49	1		J16-HH P92-Y•	20 183				.22 .22	NO NO		114 115	
B 50	1		J16-D• P98-GG	20 187				.22 .22	NO NO		114 115	
B 51	1		J16-E• P98-HH	20 187				.22 .22	NO NO		114 115	
B 52	1		J16-F• P98-FF	20 187				.22 .22	NO NO		114 115	
B 53	1		J16-CC P92-V•	20 183				.22 .22	NO NO		114 115	
B 54	1		J16-BB P92-W•	20 183				.22 .22	NO NO		114 115	
B 55	1		J16-FF P92-U•	20 183				.22 .22	NO NO		114 115	
B 56	1		J16-EE P92-T•	20 183				.22 .22	NO NO		114 115	
B 57	1		J16-X• P92-S•	20 183				.22 .22	NO NO		114 115	
B 58	1		J16-Y• P92-R•	20 183				.22 .22	NO NO		114 115	
B 59	1		J16-LL P99-JJ	20 186				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 28 OF ~~208~~ 209
MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 60	1		J16-MM P99-MM	20 186				.22 .22	NO NO		114 115	
B 61	1		J16-PP P99-LL	20 186				.22 .22	NO NO		114 115	
B 62	1		J16-NN P99-KK	20 186				.22 .22	NO NO		114 115	
B 63	1		J16-B E301-B	20 39				.22 .25	NO NO		114	
B 64	1		J16-M P26-Y	20 194				.22 .22	NO NO		114 115	
B 65	1		J16-A P26-V•	20 194				.22 .22	NO NO		114 115	
B 66	1		J16-R P26-KK	20 194				.22 .22	NO NO		114 115	
B 67	1		J16-N P92-X•	20 194				.22 .22	NO NO		114 115	
B 68	1		J16-P P96-MM	20 182				.22 .22	NO NO		114 115	
B 69	1		J16-Z• P96-HH	20 182				.22 .22	NO NO		114 115	
B 70	1		J16-DD P96-FF	20 182				.22 .22	NO NO		114 115	
B 71	1		J16-GG P96-GG	20 182				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 29 OF ~~208~~ 209
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	1		J16-JJ P96-JJ	20 182				.22 .22	NO NO		114 115	
B 73	1		J16-KK P96-KK	20 182				.22 .22	NO NO		114 115	
B 74	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 74B	1		E301-B SHLD B74	39				.25 .25	NO NO			
B 74L			J16-N• P108D-12	20 45				.22 .12	NO NO		114 113	
B 74R			J16-M• P108D-11	20 45				.22 .12	NO NO		114 113	
B 75	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 75B	1		E301-B SHLD B75	39				.25 .25	NO NO			
B 75L			J16-J• P108D-16	20 45				.22 .12	NO NO		114 113	
B 75R			J16-K• P108D-15	20 45				.22 .12	NO NO		114 113	
B 76	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 76B	1		E301-B SHLD B76	39				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 30 OF ~~208~~ 209
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 76L			J16-S* P108D-18	20 45				.22 .12	NO NO		114 113	
B 76R			J16-R* P108D-17	20 45				.22 .12	NO NO		114 113	
B 77	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 77B	1		E301-B SHLD B77	39				.25 .25	NO NO			
B 77L			J16-Q* P108D-22	20 45				.22 .12	NO NO		114 113	
B 77R			J16-P* P108D-21	20 45				.22 .12	NO NO		114 113	
B 78	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 78B	1		E301-B SHLD B78	39				.25 .25	NO NO			
B 78L			J16-W* P108D-24	20 45				.22 .12	NO NO		114 113	
B 78R			J16-V* P108D-23	20 45				.22 .12	NO NO		114 113	
B 79	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 79B	1		E301-B SHLD B79	39				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 31 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 79L			J16-U* P108D-28	20 45				.22 .12	NO NO		114 113	
B 79R			J16-T* P108D-27	20 45				.22 .12	NO NO		114 113	
B 80	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 80A	1		SHLD B80 E303-B	 16				.25 .25	NO NO			
B 80L			J17-HH P21-K*	15 202				.22 .22	NO NO		114 115	
B 80R			J17-GG P21-J*	15 202				.22 .22	NO NO		114 115	
B 81	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 81A	1		SHLD B81 E303-B	 16				.25 .25	NO NO			
B 81L			J17-KK P21-I*	15 202				.22 .22	NO NO		114 115	
B 81R			J17-JJ P21-H*	15 202				.22 .22	NO NO		114 115	
B 82	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 82B	1		P117D-32 SHLD B82	35				.12 .25	NO NO		113 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 32 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 82L			J17-FF P117D-16	15 35				.22 .12	NO NO		114 113	
B 82R			J17-EE P117D-15	15 35				.22 .12	NO NO		114 113	
B 83	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 83B	1		E306-B SHLD B83	57				.25 .25	NO NO			
B 83L			J17-DD P116A-10	15 58				.22 .12	NO NO		114 113	
B 83R			J17-CC P116A-9	15 58				.22 .12	NO NO		114 113	
B 84	1		J17-B E303-B	15 57				.22 .25	NO NO		114	
B 85	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 85B	1		E303-B SHLD B85	57				.25 .25	NO NO			
B 85L			J17-L P35-H*	15 184				.22 .22	NO NO		114 115	
B 85R			J17-K P35-I*	15 184				.22 .22	NO NO		114 115	
B 86	1		J17-D P26-Q*	15 194				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 87	1		J17-E P25-X*	15 195				.22 .22	NO NO		114 115	
B 88	1		J17-F P25-W*	15 195				.22 .22	NO NO		114 115	
B 89	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 89B	1		E304-B SHLD B89	62				.25 .25	NO NO			
B 89L			J17-B* P107D-28	15 64				.22 .12	NO NO		114 113	
B 89R			J17-A* P107D-27	15 64				.22 .12	NO NO		114 113	
B 90	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 90B	1		E304-B SHLD B90	62				.25 .25	NO NO			
B 90L			J17-C* P107D-29	15 64				.22 .12	NO NO		114 113	
B 90R			J17-D* P107D-30	15 64				.22 .12	NO NO		114 113	
B 91	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 91B	1		E302-B SHLD B91	40				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
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WIRING HARNENESS B

2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 91L			J17-K• P108D-4	15 45				.22 .12	NO NO		114 113	
B 91R			J17-J• P108D-3	15 45				.22 .12	NO NO		114 113	
B 92	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 92B	1		E302-B SHLD B92	40				.25 .25	NO NO			
B 92L			J17-N• P108D-6	15 45				.22 .12	NO NO		114 113	
B 92R			J17-M• P108C-5	15 45				.22 .12	NO NO		114 113	
B 93	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 93B	1		E302-B SHLD B93	40				.25 .25	NO NO			
B 93L			J17-U• P108D-10	15 45				.22 .12	NO NO		114 113	
B 93R			J17-T• P108C-9	15 45				.22 .12	NO NO		114 113	
B 94	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 94B	1		P105D-32 SHLD B94	47				.12 .25	NO NO			

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WIRING HARNENESS B

2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 94L			J17-W• P105D-28	15 47				.22 .12	NO NO		114 113	
B 94R			J17-V• P105D-27	15 47				.22 .12	NO NO		114 113	
B 95	1		J18-FF P21-R•	12 202				.22 .22	NO NO		115 115	
B 96	1		J18-GG P21-M•	12 202				.22 .22	NO NO		115 115	
B 97	1		J18-N• P92-B•	12 183				.22 .22	NO NO		115 115	
B 98	1		J18-M• P92-A•	12 183				.22 .22	NO NO		115 115	
B 99	1		J18-K• P92-Y	12 183				.22 .22	NO NO		115 115	
B 100	1		J18-KK P36-Z	12 181				.22 .22	NO NO		115 115	
B 101	1		J18-H• P108D-1	12 45				.22 .12	NO NO		115 113	
B 102	1		J18-G• P98-E	12 187				.22 .22	NO NO		115 115	
B 103	1		J18-Q• P31-G	12 191				.22 .22	NO NO		115 115	
B 104	1		J18-U• P31-H	12 191				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 36 OF 209

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WIRING HARNENESS B

2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 105	1		J18-X• P31-N	12 191				.22 .22	NO NO		115 115	
B 106	1		J18-S• P31-CC	12 191				.22 .22	NO NO		115 115	
B 107	1		J18-R• P31-EE	12 191				.22 .22	NO NO		115 115	
B 108	1		J18-W• P31-AA	12 191				.22 .22	NO NO		115 115	
B 109	1		J18-V• P31-Z•	12 191				.22 .22	NO NO		115 115	
B 110	1		J18-Z• P31-T•	12 191				.22 .22	NO NO		115 115	
B 111	1		J18-Y• P31-Y•	12 191				.22 .22	NO NO		115 115	
B 112	1		J18-J• P92-Z	12 183				.22 .22	NO NO		115 115	
B 113	1		J18-CC P130E-9	12 22E				.22 .12	NO NO		115 113	
B 114	3		J18-B E307-B	12 13				.22 .25	NO NO		115	
B 115	3		J18-C TB7-1	12 224				.22 .20	NO NO		115 74	
B 116	1		J18-D P96-NN	12 182				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B

2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 117	1		J18-E P96-PP	12 182				.22 .22	NO NO		115 115	
B 118	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 118A	1		SHLD B118 E307-B	 13				.25 .25	NO NO			
B 118L			J18-G P35-V•	12 184				.22 .22	NO NO		115 115	
B 118R			J18-F P35-U•	12 184				.22 .22	NO NO		115 115	
B 119	1		J18-U P31-F	12 191				.22 .22	NO NO		115 115	
B 120	1		J18-V P33-Z	12 189				.22 .22	NO NO		115 115	
B 121	1		J18-W P31-FF	12 191				.22 .22	NO NO		115 115	
B 122	1		J18-X P27-Z	12 185				.22 .22	NO NO		115 115	
B 123	1		J18-AA P25-EE	12 195				.22 .22	NO NO		115 115	
B 124	1		J18-BB P25-PP	12 195				.22 .22	NO NO		115 115	
B 125	1		J18-DD P102D-1	12 49				.22 .12	NO NO		115 113	

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HOUSTON, TEXAS
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SCALE-NONE
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 126	1		J18-EE P26-JJ	12 194				.22 .22	NO NO		115 115	
B 127	1		J18-NN P24-N•	12 196				.22 .22	NO NO		115 115	
B 128	1		J19-T P11-A	7 250				.22 .22	NO NO		114 114	
B 129	1		J19-P• P11-B	7 250				.22 .22	NO NO		114 114	
B 130	1		J19-N• P11-C	7 250				.22 .22	NO NO		114 114	
B 131			DELETED									
B 132			DELETED									
B 133	1		J19-Z P11-F	7 250				.22 .22	NO NO		114 114	
B 134	1		J19-A• P11-G	7 250				.22 .22	NO NO		114 114	
B 135	1		J19-B• P11-K	7 250				.22 .22	NO NO		114 114	
B 136	1		J19-C• P37-C	7 251				.22 .22	NO NO		114 115	
B 137	1		J19-J• E309-B	7 9				.22 .25	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 39 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 147	3		J19-E P1000-3	7 87				.22 .12	NO NO		114 113	
B 148	3		J19-F P1000-4	7 87				.22 .12	NO NO		114 113	
B 151	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 151A	1		SHLD B151 E338-B	 8				.25 .25	NO NO			
B 151L			J19-G• P11-J	7 250				.22 .22	NO NO		114	
B 151R			J19-H• P11-H	7 250				.22 .22	NO NO		114	
B 152	10				4.00 2.25	3.75 2.00				B,6A A,7	120,121,119 120	
B 152A	1		SHLD B152 E309-B	 9				.25 .25	NO NO			
B 152L			J19-Y P11-T	7 250				.22 .22	NO NO		116 114	
B 152R			J19-X P11-S	7 250				.22 .22	NO NO		116 114	
B 153	2		J20-N TB7-7	5 219				.22 .20	NO NO		127 74	
B 154	2		J20-D TB8-5	5 211				.22 .20	NO NO		127 74	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 40 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 155	1		J20-M P24-S	5 196				.22 .22	NO NO		115 115	
B 156	1		J20-C P24-C•	5 196				.22 .22	NO NO		115 115	
B 157	1		J20-H P129F-32	5 23F				.22 .12	NO NO		115 138	
B 158	1		J20-E P129F-27	5 23F				.22 .12	NO NO		115 113	
B 159	1		J20-F P129F-24	5 23F				.22 .12	NO NO		115 113	
B 160	1		J20-G P129F-23	5 23F				.22 .12	NO NO		115 113	
B 161	1		J21-R• P96-A	2 182				.22 .22	NO NO		114 115	
B 162	1		J21-G• P96-B	2 182				.22 .22	NO NO		114 115	
B 163	1		J21-P• P96-C	2 182				.22 .22	NO NO		114 115	
B 164	1		J21-N• P96-D	2 182				.22 .22	NO NO		114 115	
B 165	1		J21-M• P96-E	2 182				.22 .22	NO NO		114 115	
B 166	1		J21-B• P96-G	2 182				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 41 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 167	1		J21-C• P96-H	2 182				.22 .22	NO NO		114 115	
B 168	1		J21-D• P96-J	2 182				.22 .22	NO NO		114 115	
B 169	1		J21-E• P96-K	2 182				.22 .22	NO NO		114 115	
B 170	1		J21-F• P96-L	2 182				.22 .22	NO NO		114 115	
B 171	1		J21-G• P96-M	2 182				.22 .22	NO NO		114 115	
B 172	1		J21-H• P96-N	2 182				.22 .22	NO NO		114 115	
B 173	1		J21-J• P96-P	2 182				.22 .22	NO NO		114 115	
B 174	1		J21-K• P96-R	2 182				.22 .22	NO NO		114 115	
B 175	1		J21-A• P96-S	2 182				.22 .22	NO NO		114 115	
B 176	1		J21-Z• P98-N•	2 187				.22 .22	NO NO		114 115	
B 177	1		J21-HH P98-G•	2 187				.22 .22	NO NO		114 115	
B 178	1		J21-EE P98-DD	2 187				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 42 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 179	1		J21-V P98-H•	2 187				.22 .22	NO NO		114 115	
B 180	1		J21-L P98-J•	2 187				.22 .22	NO NO		114 115	
B 181	1		J21-M P98-CC	2 187				.22 .22	NO NO		114 115	
B 182	1		J21-X• P98-I•	2 187				.22 .22	NO NO		114 115	
B 183	1		J21-GG P98-V	2 187				.22 .22	NO NO		114 115	
B 184	1		J21-DD P98-U	2 187				.22 .22	NO NO		114 115	
B 185	1		J21-N P98-T	2 187				.22 .22	NO NO		114 115	
B 186	1		J21-J P98-S	2 187				.22 .22	NO NO		114 115	
B 187	1		J21-K P98-R	2 187				.22 .22	NO NO		114 115	
B 188	1		J21-S P99-FF	2 186				.22 .22	NO NO		114 115	
B 189	1		J21-FF P98-S•	2 186				.22 .22	NO NO		114 115	
B 190	1		J21-Y• P98-R•	2 186				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 191	1		J21-AA P98-P•	2 186				.22 .22	NO NO		114 115	
B 192	1		J21-BB P98-M•	2 186				.22 .22	NO NO		114 115	
B 193	1		J21-CC P98-PP	2 186				.22 .22	NO NO		114 115	
B 194	1		J21-B P129F-32	2 23F				.22 .12	NO NO		114	
B 195	1		J21-C P35-CC	2 184				.22 .22	NO NO		114 115	
B 196	1		J21-D P35-DD	2 184				.22 .22	NO NO		114 115	
B 197	1		J21-E P35-EE	2 184				.22 .22	NO NO		114 115	
B 198	1		J21-F P35-FF	2 184				.22 .22	NO NO		114 115	
B 199	1		J21-G P35-GG	2 184				.22 .22	NO NO		114 115	
B 200	1		J21-H P35-HH	2 184				.22 .22	NO NO		114 115	
B 201	1		J21-P P92-P•	2 183				.22 .22	NO NO		114 115	
B 202	1		J21-R P92-Q•	2 183				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 203	1		J21-U P98-EE	2 187				.22 .22	NO NO		114 115	
B 204	1		J21-W P35-JJ	2 184				.22 .22	NO NO		114 115	
B 205	1		J21-X P35-W	2 184				.22 .22	NO NO		114 115	
B 206	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 206A	1		SHLD B206 E310-B	 19				.25 .25	NO NO			
B 206L			J22-Q• P35-B•	18 184				.22 .22	NO NO		114 115	
B 206R			J22-P• P35-C•	18 184				.22 .22	NO NO		114 115	
B 207	1		J22-C• P35-G•	18 184				.22 .22	NO NO		114 115	
B 208	1		J22-A• P35-X	18 184				.22 .22	NO NO		114 115	
B 209	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 209B	3		E305-B SHLD B209	61				.25 .25	NO NO			
B 209L			J22-V P107D-11	18 64				.22 .12	NO NO		114 113	

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SIZE A
2900542
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 209R			J22-U P107D-13	18 64				.22 .12	NO NO		114 113	
B 210	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 210B	3		E305-B SHLD B210	61				.25 .25	NO NO			
B 210L			J22-X P107D-17	18 64				.22 .12	NO NO		114 113	
B 210R			J22-W P107D-19	18 64				.22 .12	NO NO		114 113	
B 211	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 211B	3		E305-B SHLD B211	61				.25 .25	NO NO			
B 211L			J22-Z P107D-23	18 64				.22 .12	NO NO		114 113	
B 211R			J22-Y P107D-25	18 64				.22 .12	NO NO		114 113	
B 212	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 212B	1		E310-B SHLD B212	19				.25 .25	NO NO			
B 212L			J22-T P11-FF	18 250				.22 .22	NO NO		114 114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 212R			J22-S P11-X	18 250				.22 .22	NO NO		114 114	
B 213	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 213A	1		SHLD B213 E310-B	 19				.25 .25	NO NO			
B 213L			J22-E P11-T	18 250				.22 .22	NO NO		114 114	
B 213R			J22-D P11-S	18 250				.22 .22	NO NO		114 114	
B 214	1		J22-AA P11-V	18 250				.22 .22	NO NO		114 114	
B 215	1		J22-BB P11-W	18 250				.22 .22	NO NO		114 114	
B 216	1		J22-CC P37-H•	18 251				.22 .22	NO NO		114 115	
B 217	1		J22-DD P37-J•	18 251				.22 .22	NO NO		114 115	
B 218	1		J22-EE P37-N•	18 251				.22 .22	NO NO		114 115	
B 219	1		J22-GG P37-S•	18 251				.22 .22	NO NO		114 115	
B 220	1		J22-HH P37-U•	18 251				.22 .22	NO NO		114 115	

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HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE REV LTR G SHEET 47 OF
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 221	1		J22-W• P37-W•	18 251				.22 .22	NO NO		114 115	
B 222	1		J22-X• P37-Y•	18 251				.22 .22	NO NO		114 115	
B 223	1		J22-Y• P37-AA	18 251				.22 .22	NO NO		114 115	
B 224	1		J22-Z• P37-CC	18 251				.22 .22	NO NO		114 115	
B 225	1		J22-D• P35-D•	18 184				.22 .22	NO NO		114 115	
B 226	1		J22-R• P36-G•	18 181				.22 .22	NO NO		114 115	
B 227	1		J22-T• P36-AA	18 181				.22 .22	NO NO		114 115	
B 228	1		J22-F P36-DD	18 181				.22 .22	NO NO		114 115	
B 229	1		J22-K• P36-BB	18 181				.22 .22	NO NO		114 115	
B 230	1		J22-B• P35-A•	18 184				.22 .22	NO NO		114 115	
B 231	1		J22-E• P36-LL	18 181				.22 .22	NO NO		114 115	
B 232	1		J22-F• P36-X•	18 181				.22 .22	NO NO		114 115	

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HOUSTON, TEXAS
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2900542
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 233	1		J22-G• P36-W•	18 181				.22 .22	NO NO		114 115	
B 234	1		J22-H• P36-EE	18 181				.22 .22	NO NO		114 115	
B 235	1		J22-J• P36-JJ	18 181				.22 .22	NO NO		114 115	
B 236	1		J22-K P33-R	18 189				.22 .22	NO NO		114 115	
B 237	1		J22-R P107D-12	18 64				.22 .12	NO NO		114 113	
B 238	1		J22-P P107D-18	18 64				.22 .12	NO NO		114 113	
B 239	1		J22-N P107D-24	18 64				.22 .12	NO NO		114 113	
B 240	1		J22-M P129F-15	18 23F				.22 .12	NO NO		114 113	
B 241	1		J22-I• P36-GG	18 181				.22 .22	NO NO		114 115	
B 242	1		J23-A P41-S•	14 107				.22 .22	NO NO		114 115	
B 243	1		J23-B P41-T•	14 107				.22 .22	NO NO		114 115	
B 244	1		J23-C P41-U•	14 107				.22 .22	NO NO		114 115	

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SCALE-NONE REV LTR G SHEET 49 OF
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MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 245	1		J23-D P41-V•	14 107				.22 .22	NO NO		114 115	
B 246	1		J23-E P41-W•	14 107				.22 .22	NO NO		114 115	
B 247	1		J23-F P41-X•	14 107				.22 .22	NO NO		114 115	
B 248	1		J23-G P41-Y•	14 107				.22 .22	NO NO		114 115	
B 249	1		J23-H P41-Z•	14 107				.22 .22	NO NO		114 115	
B 250	1		J23-J P41-AA	14 107				.22 .22	NO NO		114 115	
B 251	1		J23-V P41-BB	14 107				.22 .22	NO NO		114 115	
B 252	1		J23-W P41-CC	14 107				.22 .22	NO NO		114 115	
B 253	1		J23-X P41-DD	14 107				.22 .22	NO NO		114 115	
B 254	1		J23-Y P41-EE	14 107				.22 .22	NO NO		114 115	
B 255	1		J23-Z P41-FF	14 107				.22 .22	NO NO		114 115	
B 256	1		J23-A• P41-GG	14 107				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE REV LTR G SHEET 50 OF
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MIL 2084 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 257	1		J23-B• P41-HH	14 107				.22 .22	NO NO		114 115	
B 258	1		J23-C• P41-JJ	14 107				.22 .22	NO NO		114 115	
B 259	1		J23-D• P41-KK	14 107				.22 .22	NO NO		114 115	
B 260	1		J23-E• P41-LL	14 107				.22 .22	NO NO		114 115	
B 261	1		J23-G• P41-MM	14 107				.22 .22	NO NO		114 115	
B 262	1		J23-R• P41-NN	14 107				.22 .22	NO NO		114 115	
B 263	1		J23-S• P41-PP	14 107				.22 .22	NO NO		114 115	
B 264	1		J23-EE P109D-25	14 79				.22 .12	NO NO		114 113	
B 265	1		J23-FF P109D-26	14 79				.22 .12	NO NO		114 113	
B 266	1		J23-GG P109D-1	14 79				.22 .12	NO NO		114 113	
B 267	1		J23-HH P109D-2	14 79				.22 .12	NO NO		114 113	
B 268	1		J23-U• P121D-13	14 72				.22 .12	NO NO		114 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
SHEET 51 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 269	1		J23-V• P121D-14	14 72				.22 .12	NO NO		114 113	
B 270	1		J23-W• P100D-1	14 87				.22 .12	NO NO		114 113	
B 271	1		J23-X• P100D-2	14 87				.22 .12	NO NO		114 113	
B 272	1		J23-AA P115D-19	14 77				.22 .12	NO NO		114 113	
B 273	1		J23-BB P115D-20	14 77				.22 .12	NO NO		114 113	
B 274	1		J23-CC P121D-3	14 72				.22 .12	NO NO		114 113	
B 275	1		J23-DD P121D-4	14 72				.22 .12	NO NO		114 113	
B 276	143				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 276A	1		SHLD B276 E311-B	 11				.25 .25	NO NO			
B 276L			J24-H P21-S•	10 202				.22 .22	NO NO		115 115	
B 276R			J24-G P21-U•	10 202				.22 .22	NO NO		115 115	
B 276Y			J24-J P21-T•	10 202				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
SHEET 52 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 277	1		J24-R• P37-K	10 251				.22 .22	NO NO		115 115	
B 278	1		J24-S• P37-M	10 251				.22 .22	NO NO		115 115	
B 279	1		J24-V• P37-T•	10 251				.22 .22	NO NO		115 115	
B 280	1		J24-BB P37-V•	10 251				.22 .22	NO NO		115 115	
B 281	1		J24-W• P37-P•	10 251				.22 .22	NO NO		115 115	
B 282	1		J24-Y• P37-X•	10 251				.22 .22	NO NO		115 115	
B 283	1		J24-C• P37-Z•	10 251				.22 .22	NO NO		115 115	
B 284	1		J24-N• P37-BB	10 251				.22 .22	NO NO		115 115	
B 285	1		J24-P• P37-CD	10 251				.22 .22	NO NO		115 115	
B 286	1		J24-U• P37-I•	10 251				.22 .22	NO NO		115 115	
B 287	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 287A	1		SHLD B287 E311-B	 11				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
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WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 287L			J24-D P37-NN	10 251				.22 .22	NO NO		115 115	
B 287R			J24-C P37-Z	10 251				.22 .22	NO NO		115 115	
B 288	1		J24-X• P37-M•	10 251				.22 .22	NO NO		115 115	
B 289	1		J24-T• P37-L	10 251				.22 .22	NO NO		115 115	
B 290	1		J24-AA P37-R•	10 251				.22 .22	NO NO		115 115	
B 291	1		J24-Z• P37-K•	10 251				.22 .22	NO NO		115 115	
B 292	1		J24-B P129A-32	10 174A				.22 .12	NO NO		115 138	
B 293	1		J25-CC P100D-~~8~~13	10 87				.22 .12	NO NO		115 113	
B 294	1		J25-DD P100D-7	10 87				.22 .12	NO NO		115 113	
B 295	1		J25-B P129D-32	10 174D				.22 .12	NO NO		115 113	
B 296	1		J25-X P26-AA	10 194				.22 .22	NO NO		115 115	
B 297	1		J25-W P110D-19	10 60				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~E~~ ~~F~~ G
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WIRING HARNENESS B   2900542   G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 298	1		J25-T P26-CC	10 194				.22 .22	NO NO		115 115	
B 299	1		J25-C P96-Q•	10 182				.22 .22	NO NO		115 115	
B 300	1		J25-D P96-R•	10 182				.22 .22	NO NO		115 115	
B 301	1		J25-E P96-S•	10 182				.22 .22	NO NO		115 115	
B 302	1		J25-F P96-T•	10 182				.22 .22	NO NO		115 115	
B 303	1		J25-G P96-U•	10 182				.22 .22	NO NO		115 115	
B 304	1		J25-H P96-V•	10 182				.22 .22	NO NO		115 115	
B 305	1		J25-J P96-W•	10 182				.22 .22	NO NO		115 115	
B 306	1		J25-K P96-X•	10 182				.22 .22	NO NO		115 115	
B 307	1		J25-L P96-Y•	10 182				.22 .22	NO NO		115 115	
B 308	1		J25-M P96-Z•	10 182				.22 .22	NO NO		115 115	
B 309	1		J25-Z P96-F•	10 182				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 55 OF 209

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WIRING HARNENESS B   2900542   G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 310			DELETED									
B 311			DELETED									
B 312	1		J25-P• P96-AA	10 182				.22 .22	NO NO		115 115	
B 313	1		J25-Q• P96-BB	10 182				.22 .22	NO NO		115 115	
B 314	1		J25-R• P96-EE	10 182				.22 .22	NO NO		115 115	
B 315	~~1~~		~~J25-GG~~ ~~P24-B•~~	~~10~~ ~~196~~	DELETED			~~.22~~ ~~.22~~	~~NO~~ ~~NO~~		~~115~~ ~~115~~	
B 316	~~1~~		~~J25-HH~~ ~~P130E-7~~	~~10~~ ~~225~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~115~~ ~~113~~	
B 317	2		J26-AA TB7-5	3 221				.22 .20	NO NO		127 74	
B 318	3		J26-C• P129F-11	3 23F				.22 .12	NO NO		115 113	
B 319	1		J26-D• P129F-12	3 23F				.22 .12	NO NO		115 113	
B 320	1		J26-J• P114D-15	3 37				.22 .12	NO NO		115 113	
B 321	1		J26-E• P114D-17	3 37				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 56 OF 209

MIL 2084 4-63

WIRING HARNENESS B   2900542   G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 322	1		J26-H• P115D-3	3 77				.22 .12	NO NO		115 113	
B 323	1		J26-G• P115D-5	3 77				.22 .12	NO NO		115 113	
B 324	1		J26-I• P114D-21	3 37				.22 .12	NO NO		115 113	
B 325	1		J26-F• P114D-23	3 37				.22 .12	NO NO		115 113	
B 326	1		J26-GG P114D-27	3 37				.22 .12	NO NO		115 113	
B 327	1		J26-HH P114D-29	3 37				.22 .12	NO NO		115 113	
B 328	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 328B	1		P115D-16 SHLD B328	77				.12 .25	NO NO		138	
B 328L			J26-U• P115D-16	3 77				.22 .12	NO NO		115	
B 328R			J26-T• P115D-15	3 77				.22 .12	NO NO		115 113	
B 329	1		J26-S• P99-P	3 186				.22 .22	NO NO		115 115	
B 330	1		J26-X• P34-C	3 188				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 57 OF 209

MIL 2084 4-63

WIRING HARNENESS B   2900542   G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 331	1		J26-Y• P34-B	3 188				.22 .22	NO NO		115 115	
B 332	1		J26-Z• P34-E	3 188				.22 .22	NO NO		115 115	
B 333	1		J26-CC P34-G	3 188				.22 .22	NO NO		115 115	
B 334	1		J26-R• P34-E•	3 188				.22 .22	NO NO		115 115	
B 335	1		J26-W• P99-F	3 186				.22 .22	NO NO		115 115	
B 336	2		J26-BB TB8-4	3 212				.22 .20	NO NO		127 74	
B 337	1		J26-V• P34-G•	3 188				.22 .22	NO NO		115 115	
B 338	1		J26-FF P129F-7	3 23F				.22 .12	NO NO		115 113	
B 339	1		J26-B P114D-32	3 37				.22 .12	NO NO		115 113	
B 340	2		J26-C TB7-6	3 220				.22 .20	NO NO		127 74	
B 341	2		J26-D TB8-5	3 211				.22 .20	NO NO		127 74	
B 342	3		J26-EE P129F-5	3 23F				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 58 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 343	1		J26-K* P98-BB	3 187				.22 .22	NO NO		115 115	
B 344	1		J26-K* P37-A*	3 251				.22 .22	NO NO		115 115	
B 345	10				2.25 4.00	2.00 3.70				A,7 A,6B	120 120,119	
B 345B	1		P114D-31 SHLD B345	37				.12 .25	NO NO		113	
B 345L			J26-M P114D-10	3 37				.22 .12	NO NO		115 113	
B 345R			J26-L P114D-9	3 37				.22 .12	NO NO		115 113	
B 347	1		J26-M* P114D-16	3 37				.22 .12	NO NO		115 113	
B 348	1		J26-P* P114D-28	3 37				.22 .12	NO NO		115 113	
B 349	1		J26-N* P115D-4	3 77				.22 .12	NO NO		115 113	
B 350	1		J26-DD P129F-3	3 23F				.22 .12	NO NO		115 113	
B 351	143				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 351B	1		E313-B SHLD B351	4				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 59 OF
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 351L			J27-B P26-E	1 194				.22 .22	NO NO		114 115	
B 351R			J27-C P26-D	1 194				.22 .22	NO NO		114 115	
B 351Y			J27-A P26-F	1 194				.22 .22	NO NO		114 115	
B 352	1		J27-D P26-G	1 194				.22 .22	NO NO		114 115	
B 353	1		J27-E P26-H	1 194				.22 .22	NO NO		114 115	
B 354	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 354E			J28-1A P49-29A	91 168				.19 .19	NO NO		130 132	
B 354X			J28-1B P49-29B	91 168								
B 355	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 355E			J28-2A P49-14A	91 168				.19 .19	NO NO		130 132	
B 355X			J28-2B P49-14B	91 168								
B 356	118				.52 .38	.31 .19					128,129,120 128,131,120	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 60 OF
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MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 356E			J28-3A P49-28A	91 168				.19 .19	NO NO		130 132	
B 356X			J28-3B P49-28B	91 168								
B 357	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 357E			J28-4A P49-30A	91 168				.19 .19	NO NO		130 132	
B 357X			J28-4B P49-30B	91 168								
B 358	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 358E			J28-5A P49-46A	91 168				.19 .19	NO NO		130 132	
B 358X			J28-5B P49-46B	91 168								
B 359	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 359E			J28-6A P49-48A	91 168				.19 .19	NO NO		130 132	
B 359X			J28-6B P49-48B	91 168								
B 360	118				.52 .38	.31 .19					128,129,120 128,131,120	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 61 OF
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 360E			J28-7A P49-3A	91 168				.19 .19	NO NO		130 132	
B 360X			J28-7B P49-3B	91 168								
B 361	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 361E			J28-8A P49-9A	91 168				.19 .19	NO NO		130 132	
B 361X			J28-8B P49-9B	91 168								
B 362	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 362E			J28-9A P128A-16A	91 171				.19 .11	NO NO		130 96	
B 362X			J28-9B P128A-16B	91 171								
B 363	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 363E			J28-10A P128A-18A	91 171				.19 .11	NO NO		130 96	
B 363X			J28-10B P128A-18B	91 171								
B 364	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 364B	1		P16-Q• SHLD B364	199				.22 .25	NO NO		114	
B 364E			J28-11A P16-P•	91 199				.19 .22	NO NO		130 114	
B 364X			J28-11B SHLD B364	91								
B 365	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 365B	1		P16-V• SHLD B365	199				.22 .25	NO NO		114	
B 365E			J28-12A P16-U•	91 199				.19 .22	NO NO		130 114	
B 365X			J28-12B SHLD B365	91								
B 366	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 366E			J28-13A P128A-17A	91 171				.19 .11	NO NO		130 96	
B 366X			J28-13B P128A-17B	91 171								
B 367	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 367B	1		P17-T SHLD B367	200				.22 .25	NO NO		115	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 367E			J28-14A P17-S	91 200				.19 .22	NO NO		130 115	
B 367X			J28-14B SHLD B367	91								
B 368	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 368B	1		P16-EE SHLD B368	199				.22 .25	NO NO		114	
B 368E			J28-15A P16-DD	91 199				.19 .22	NO NO		130 114	
B 368X			J28-15B SHLD B368	91								
B 369	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 369B	1		P16-X• SHLD B369	199				.22 .25	NO NO		114	
B 369E			J28-16A P16-W•	91 199				.19 .22	NO NO		130 114	
B 369X			J28-16B SHLD B369	91								
B 370	118				.52 4.00	.31 3.75				B,6B	128,129,120 119,120	
B 370B	1		P27-S• SHLD B370	185				.22 .25	NO NO		115	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 370E			J28-17A P27-R•	91 185				.19 .22	NO NO		130 115	
B 370X			J28-17B SHLD B370	91								
B 371	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 371E			J29-1A P60-32A	92 122				.19 .19	NO NO		130 132	
B 371X			J29-1B P60-32B	92 122								
B 372	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 372E			J29-2A P60-33A	92 122				.19 .19	NO NO		130 132	
B 372X			J29-2B P60-33B	92 122								
B 373	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 373E			J29-3A P60-34A	92 122				.19 .19	NO NO		130 132	
B 373X			J29-3B P60-34B	92 122								
B 374	118				.52 .38	.31 .19					128,129,120 128,131,120	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 65 OF [illegible]
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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 374E			J29-4A P60-4A	92 122				.19 .19	NO NO		130 132	
B 374X			J29-4B P60-4B	92 122								
B 375	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 375E			J29-5A P60-5A	92 122				.19 .19	NO NO		130 132	
B 375X			J29-5B P60-5B	92 122								
B 376	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 376E			J29-6A P60-6A	92 122				.19 .19	NO NO		130 132	
B 376X			J29-6B P60-6B	92 122								
B 377	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 377A	1		SHLD B377 J30-3	 90				.25 .19	NO NO		 133	
B 377B	1		P119D-31 SHLD B377	53				.12 .25	NO NO		138	
B 377L			J30-2 P119D-22	90 53				.19 .12	NO NO		133 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 66 OF [illegible]
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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 377R			J30-1 P119D-21	90 53				.19 .12	NO NO		133 113	
B 378	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 378A	1		SHLD B378 J30-6	 90				.25 .19	NO NO		 133	
B 378B	1		P119D-31 SHLD B378	53				.12 .25	NO NO			
B 378L			J30-5 P119D-24	90 53				.19 .12	NO NO		133 113	
B 378R			J30-4 P119D-23	90 53				.19 .12	NO NO		133 113	
B 379	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 379E			J30-7A P60-38A	90 122				.19 .19	NO NO		130 132	
B 379X			J30-7B P60-38B	90 122								
B 380	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 380B	1		E315-B SHLD B380	172				.25 .25	NO NO			
B 380L			P1-C P91-C•	193 173				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 67 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 380R			P1-F P91-C	193 173				.22 .22	NO NO		115 115	
B 381	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 381B	1		E315-B SHLD B381	172				.25 .25	NO NO			
B 381L			P1-R P91-E•	193 173				.22 .22	NO NO		115 115	
B 381R			P1-G P91-E	193 173				.22 .22	NO NO		115 115	
B 382	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 382B	1		E315-B SHLD B382	172				.25 .25	NO NO			
B 382L			P1-U P91-G•	193 173				.22 .22	NO NO		115 115	
B 382R			P1-K P91-G	193 173				.22 .22	NO NO		115 115	
B 383	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 383B	1		P117A-31 SHLD B383	36				.12 .25	NO NO		138	
B 383L			P1-D P117A-6	193 36				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 68 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 383R			P1-B P117A-5	193 36				.22 .12	NO NO		115 113	
B 384	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 384B	1		TB6-6 SHLD B384	240				.20 .25	NO NO		74	
B 384L			P2-E TB6-6	192 240				.22 .20	NO NO		117 74	
B 384R			P2-D TB6-9	192 243				.22 .20	NO NO		117 74	
B 385	2		P2-A P126F-27	192 30				.22 .22	NO NO		117 138	
B 386	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 386B	1		E315-B SHLD B386	172				.25 .25	NO NO			
B 386L			P3-C P91-K•	149 173				.22 .22	NO NO		115 115	
B 386R			P3-F P91-K	149 173				.22 .22	NO NO		115 115	
B 387	1				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 387B	1		E315-B SHLD B387	172				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 69 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 387L			P3-R P91-N•	149 173				.22 .22	NO NO		115 115	
B 387R			P3-G P91-N	149 173				.22 .22	NO NO		115 115	
B 388	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 388B	1		E315-B SHLD B388	172				.25 .25	NO NO			
B 388L			P3-U P91-R•	149 173				.22 .22	NO NO		115 115	
B 388R			P3-K P91-R	149 173				.22 .22	NO NO		115 115	
B 389	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 389B	1		P117A-31 SHLD B389	36				.12 .25	NO NO			
B 389L			P3-D P117A-10	149 36				.22 .12	NO NO		115 113	
B 389R			P3-B P117A-9	149 36				.22 .12	NO NO		115 113	
B 390	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 390B	1		TB6-5 SHLD B390	239				.20 .25	NO NO		74	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 70 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 390L			P4-E TB6-5	148 239				.22 .20	NO NO		117 74	
B 390R			P4-D TB6-8	148 242				.22 .20	NO NO		117 74	
B 391	2		P4-A P126E-31	148 31				.22 .22	NO NO		117 138	
B 392	2		P5-V• TB9-3	110 101				.22 .20	NO NO		126 74	
B 393	2		P5-BB TB9-1	110 103				.22 .20	NO NO		126 74	
B 394	1		P5-S• P64-GG	110 134				.22 .22	NO NO		114 115	
B 395	1		P5-FF P64-V•	110 134				.22 .22	NO NO		114 115	
B 396	1		P5-CC P64-W•	110 134				.22 .22	NO NO		114 115	
B 397	1		P5-DD P64-X•	110 134				.22 .22	NO NO		114 115	
B 398	1		P5-W• P64-Y•	110 134				.22 .22	NO NO		114 115	
B 399	1		P5-Y• P64-Z•	110 134				.22 .22	NO NO		114 115	
B 400	1		P5-AA P64-AA	110 134				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR G | SHEET 71 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 401	1		P5-C P41-B	110 107				.22 .22	NO NO		114 115	
B 402	1		P5-D P41-C	110 107				.22 .22	NO NO		114 115	
B 403	1		P5-E P41-D	110 107				.22 .22	NO NO		114 115	
B 404	1		P5-H P39-LL	110 105				.22 .22	NO NO		114 115	
B 405	1		P5-J P39-MM	110 105				.22 .22	NO NO		114 115	
B 406	1		P5-K P39-NN	110 105				.22 .22	NO NO		114 115	
B 407	1		P5-L P39-PP	110 105				.22 .22	NO NO		114 115	
B 408	1		P5-P P39-GG	110 105				.22 .22	NO NO		114 115	
B 409	1		P5-R P39-HH	110 105				.22 .22	NO NO		114 115	
B 410	1		P5-S P39-JJ	110 105				.22 .22	NO NO		114 115	
B 411	1		P5-T P39-KK	110 105				.22 .22	NO NO		114 115	
B 412	1		P5-W P39-CC	110 105				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR G | SHEET 72 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 413	1		P5-X P39-CD	110 105				.22 .22	NO NO		114 115	
B 414	1		P5-Y P39-EE	110 105				.22 .22	NO NO		114 115	
B 415	1		P5-Z P39-FF	110 105				.22 .22	NO NO		114 115	
B 416	1		P5-B• P39-Y•	110 105				.22 .22	NO NO		114 115	
B 417	1		P5-C• P39-Z•	110 105				.22 .22	NO NO		114 115	
B 418	1		P5-D• P39-AA	110 105				.22 .22	NO NO		114 115	
B 419	1		P5-E• P39-BB	110 105				.22 .22	NO NO		114 115	
B 420	1		P5-G• P39-U•	110 105				.22 .22	NO NO		114 115	
B 421	1		P5-H• P39-V•	110 105				.22 .22	NO NO		114 115	
B 422	1		P5-I• P39-W•	110 105				.22 .22	NO NO		114 115	
B 423	1		P5-J• P39-X•	110 105				.22 .22	NO NO		114 115	
B 424	1		P5-R• P39-S•	110 105				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR G | SHEET 73 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 425	1		P5-S• P39-P•	110 105				.22 .22	NO NO		114 115	
B 426	1		P5-P• P39-T•	110 105				.22 .22	NO NO		114 115	
B 427	1		P5-U• P39-Q•	110 105				.22 .22	NO NO		114 114	
B 428	1		P5-B P116A-19	110 58				.22 .12	NO NO		114 113	
B 429	1		P5-T• P116A-20	110 58				.22 .12	NO NO		114 113	
B 430	118				.52 .52	.23 .23				A,10 A,10	92, 94,120 92, 94,120	
B 430E			P7-D1 P93-B1	108 130				.11 .11	NO NO		90 90	
B 430X			P7-D2 P93-B2	108 130								
B 431	118				.52 4.00	.23 3.75				A.10 B,6B	92, 94,120 119,120	
B 431B	1		P63-CC SHLD B431	137				.22 .25	NO NO		115	
B 431E			P7-F1 P63-DD	108 137				.11 .22	NO NO		90 115	
B 431X			P7-F2 SHLD B431	108								

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR G | SHEET 74 OF 209

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 432	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 432E			P7-A1 P69-A1	108 136				.11 .11	NO NO		90 90	
B 432X			P7-A2 P69-A2	108 136								
B 433	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 433E			P7-B1 P93-A1	108 130				.11 .11	NO NO		90 90	
B 433X			P7-B2 P93-A2	108 130								
B 434	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 434B	1		P17-A• SHLD B434	200				.22 .25	NO NO		115	
B 434E			P7-C1 P17-B•	108 200				.11 .22	NO NO		90 115	
B 434X			P7-C2 SHLD B434	108								
B 435	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 435B	1		TB9-10 SHLD B435	96				.20 .25	NO NO		74	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR G
SHEET 75 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 435L			P8-E TB9-10	109 96				.22 .20	NO NO		117 74	
B 435R			P8-D TB9-7	109 99				.22 .20	NO NO		117 74	
B 436	2		P8-A P126F-28	109 30				.22 .22	NO NO		117 138	
B 437	1		P11-M• P24-R•	250 196				.22 .22	NO NO		114 115	
B 438	1		P11-K• P24-P•	250 196				.22 .22	NO NO		114 115	
B 439	1		P11-N• P24-S•	250 196				.22 .22	NO NO		114 115	
B 440	2		P11-T• P126F-30	250 30				.22 .22	NO NO		126 138	
B 441	1		P11-D• P111D-3	250 41				.22 .12	NO NO		114 113	
B 442	1		P11-E• P110C-29	250 60				.22 .22	NO NO		114 113	
B 443	1		P11-F• P111D-9	250 41				.22 .12	NO NO		114 113	
B 444	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 444B	1		P111D-31 SHLD B444	41				.12 .25	NO NO		113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR G
SHEET 76 OF 207

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 444L			P11-C• P111D-4	250 41				.22 .12	NO NO		114 113	
B 444R			P11-G• P111D-5	250 41				.22 .12	NO NO		114 113	
B 445	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 445A	1		SHLD B445 E338-B	8				.25 .25	NO NO			
B 445L			J19-W P11-Z•	7 250				.22 .22	NO NO		116 126	
B 445R			J19-U P11-Q•	7 250				.22 .22	NO NO		116 126	
B 446	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 446A	1		SHLD B446 E338-B	8				.22 .25	NO NO		116	
B 446L			J19-F• P11-L	7 250				.22 .22	NO NO		116 126	
B 446R			J19-E• P11-M	7 250				.22 .22	NO NO		116 126	
B 447	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 447A	1		SHLD B447 E338-B	8				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR G
SHEET 77 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 447L			J19-R• P11-P	7 250				.22 .22	NO NO		116 126	
B 447R			J19-Q• P11-N	7 250				.22 .22	NO NO		116 126	
B 449	1		P11-Y P129E-25	7 23E				.22 .12	NO NO		114 113	
B 450	1		P11-Z P129E-26	7 23E				.22 .12	NO NO		114 113	
B 451	1		P11-U• P130F-9	7 22F				.22 .12	NO NO		114 113	
B 452	1		P11-V• P130F-10	7 22F				.22 .12	NO NO		114 113	
B 453	1		P11-BB P111A-21	7 42				.22 .12	NO NO		114 113	
B 454	1		P11-CC P111A-22	7 42				.22 .12	NO NO		114 113	
B 455	1		P11-D P34-F•	7 188				.22 .22	NO NO		114 115	
B 456	1		P11-E P130E-5	7 22E				.22 .12	NO NO		114 113	
B 457	118				.50 .38	.31 .19					120 128,131,120	
B 457E			P13-1 P62-46A	143 125				.11 .19	NO NO		132	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR G
SHEET 78 OF 209

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 457X			P13-2 P62-46B	143 125								
B 458	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 458A	1		SHLD B458 P14-T	197				.25 .22	NO NO		114	
B 458E			P14-S P127B-9A	197 170B				.22 .11	NO NO		114 96	
B 458X			SHLD B458 P127B-9B	170B								
B 459	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 459A	1		SHLD B459 P14-G.	197				.25 .22	NO NO		114	
B 459E			P14-F. P127B-14A	197 170B				.22 .11	NO NO		114 96	
B 459X			SHLD B459 P127B-14B	170B								
B 460	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 460A	1		SHLD B460 P14-R	197				.25 .22	NO NO		114	
B 460E			P14-P P127B-12A	197 170B				.22 .11	NO NO		114 96	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 79 OF [redacted]
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 460X			SHLD B460 P127B-12B	170B								
B 461	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 461A	1		SHLD B461 P14-S.	197				.25 .22	NO NO		114	
B 461E			P14-U. P127B-17A	197 170B				.22 .11	NO NO		114 96	
B 461X			SHLD B461 P127B-17B	170B								
B 462	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 462A	1		SHLD B462 P14-E	197				.25 .22	NO NO		114	
B 462E			P14-D P128B-8A	197 171				.22 .11	NO NO		114 96	
B 462X			SHLD B462 P128B-8B	171								
B 463	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 463A	1		SHLD B463 P14-X.	197				.25 .22	NO NO		114	
B 463E			P14-R. P127B-19A	197 170B				.22 .11	NO NO		114 96	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 80 OF [redacted]
209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 463X			SHLD B463 P127B-19B	170B								
B 464	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 464A	1		SHLD B464 P14-GG	197				.25 .22	NO NO		114	
B 464E			P14-FF P128B-13A	197 170B				.22 .11	NO NO		114 96	
B 464X			SHLD B464 P128B-13B	170B								
B 465	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 465A	1		SHLD B465 P14-HH	197				.25 .22	NO NO		114	
B 465E			P14-CC P128B-11A	197 170B				.22 .11	NO NO		114 96	
B 465X			SHLD B465 P128B-11B	167B								
B 466	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 466A	1		SHLD B466 P14-EE	197				.25 .22	NO NO		114	
B 466E			P14-DD P128B-12A	197 167B				.22 .11	NO NO		114 96	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 81 OF [redacted]
209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 466X			SHLD B466 P128B-12B	167B								
B 467	1		P14-E. P115A-24	197 78				.22 .12	NO NO		114 113	
B 468	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 468A	1		SHLD B468 P14-A.	197				.25 .22	NO NO		114	
B 468E			P14-B. P128B-9A	197 167B				.22 .11	NO NO		114 96	
B 468X			SHLD B468 P128B-9B	167B								
B 469	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 469A	1		SHLD B468 P14-N	197				.25 .22	NO NO		114	
B 469E			P14-M P128B-1A	197 167B				.22 .11	NO NO		114 96	
B 469X			SHLD B469 P128B-1B	167B								
B 470	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 470A	1		SHLD B470 P14-B	197				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 82 OF [redacted]
209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 470E			P14-C P128B-4A	197 167B				.22 .11	NO NO		114	
B 470X			SHLD B470 P128B-4B	167B								
B 471	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 471A	1		SHLD B471 P14-K•	197				.25 .22	NO NO		114	
B 471E			P14-J• P128B-5A	197 167B				.22 .11	NO NO		114 96	
B 471X			SHLD B471 P128B-5B	167B								
B 472	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 472A	1		SHLD B472 P14-Q•	197				.25 .22	NO NO		114	
B 472E			P14-P• P128B-2A	197 167B				.22 .11	NO NO		114 96	
B 472X			SHLD B472 P128B-2B	167B								
B 473	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 473A	1		SHLD B473 P14-M•	197				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~[illegible]~~ G | SHEET 83 OF ~~[illegible]~~ 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 473E			P14-N• P128B-3A	197 167B				.22 .11	NO NO		114 96	
B 473X			SHLD B473 P128B-3B	167B								
B 474	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 474A	1		SHLD B474 P14-W	197				.25 .22	NO NO		114	
B 474E			P14-X P49-25A	197 168				.22 .19	NO NO		114 132	
B 474X			SHLD B474 P49-25B	168								
B 475	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 475A	1		SHLD B475 P15-I•	198				.25 .22	NO NO		114	
B 475E			P15-H• P127B-10A	198 167B				.22 .11	NO NO		114 96	
B 475X			SHLD B475 P127B-10B	167B								
B 476	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 476A	1		SHLD B475 P15-V	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~[illegible]~~ G | SHEET 84 OF ~~[illegible]~~ 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 476E			P15-U P127B-11A	198 167B				.22 .11	NO NO		114 96	
B 476X			SHLD B476 P127B-11B	167B								
B 477	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 477A	1		SHLD B477 P15-G•	198				.25 .22	NO NO		114	
B 477E			P15-F• P127B-13A	198 167B				.22 .11	NO NO		114 96	
B 477X			SHLD B477 P127B-13B	167B								
B 478	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 478A	1		SHLD B478 P15-T	198				.25 .22	NO NO		114	
B 478E			P15-S P127B-1A	198 170B				.22 .11	NO NO		114 96	
B 478X			SHLD B478 P127B-1B	170B								
B 479	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 479A	1		SHLD B479 P15-P	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~[illegible]~~ G | SHEET 85 OF ~~[illegible]~~ 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 479E			P15-R P127B-2A	198 170B				.22 .11	NO NO		114 96	
B 479X			SHLD B479 P127B-2B	170B								
B 480	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 480A	1		SHLD B480 P15-D	198				.25 .22	NO NO		114	
B 480E			P15-E P127B-3A	198 170B				.22 .11	NO NO		114 96	
B 480X			SHLD B479 P127B-3B	170B								
B 481	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 481A	1		SHLD B481 P15-H	198				.25 .22	NO NO		114	
B 481E			P15-J P127B-4A	198 170B				.22 .11	NO NO		114 96	
B 481X			SHLD B481 P127B-4B	170B								
B 482	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 482A	1		SHLD B482 P15-B	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~[illegible]~~ G | SHEET 86 OF ~~[illegible]~~ 209

MIL 2064 4-63

WIRING HARNESS B 2900542 G ~~F~~

LEAC IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 482E			P15-C P1278-5A	198 1708				.22 .11	NO NO		114 96	
B 482X			SHLD B482 P1278-5B	1708								
B 483	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 483A	1		SHLD B483 P15-M	198				.25 .22	NO NO		114	
B 483E			P15-N P1278-6A	198 1708				.22 .11	NO NO		114 96	
B 483X			SHLD B483 P1278-6B	1708								
B 484	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 484A	1		SHLD B484 P15-EE	198				.25 .22	NO NO		114	
B 484E			P15-FF P1278-18A	198 1708				.22 .11	NO NO		114 96	
B 484X			SHLD B484 P1278-18B	1708								
B 485	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 485A	1		SHLD B485 P15-Y•	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~F~~ G
SHEET 87 OF ~~[illegible]~~ 209

MIL 2084 4-63

WIRING HARNESS B 2900542 G ~~F~~

LEAC IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 485E			P15-Z• P1278-21A	198 1708				.22 .11	NO NO		114 96	
B 485X			SHLD B485 P1278-21B	1708								
B 486	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 486A	1		SHLD B486 P15-AA	198				.25 .22	NO NO		114	
B 486E			P15-BB P1278-24A	198 1708				.22 .11	NO NO		114 96	
B 486X			SHLD B486 P1278-24B	1708								
B 487	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 487A	1		SHLD B487 P15-CC	198				.25 .22	NO NO		114	
B 487E			P15-DD P1278-20A	198 1708				.22 .11	NO NO		114 96	
B 487X			SHLD B487 P1278-20B	1708								
B 488	118				4.00 .52	3.75 .23				B,6D	119,120 120, 97, 98	
B 488A	1		SHLD B488 P15-B•	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~F~~ G
SHEET 88 OF ~~[illegible]~~ 209

MIL 2084 4-63

WIRING HARNESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 488E			P15-A• P1288-10A	198 1678				.25 .11	NO NO		114 96	
B 488X			SHLD B488 P1288-10B	1678								
B 489	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 489A	1		SHLD B489 P15-G	198				.25 .22	NO NO		114	
B 489E			P15-F P49-26A	198 168				.22 .19	NO NO		114 132	
B 489X			SHLD B489 P49-26B	168								
B 490	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 490A	1		SHLD B490 P15-L	198				.25 .22	NO NO		114	
B 490E			P15-K P49-12A	198 168				.22 .19	NO NO		114 132	
B 490X			SHLD B490 P49-12B	168								
B 491	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 491A	1		SHLD B491 P15-J•	198				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~F~~ G
SHEET 89 OF ~~[illegible]~~ 209

MIL 2084 4-63

WIRING HARNESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 491E			P15-K• P49-24A	198 168				.22 .19	NO NO		114 132	
B 491X			SHLD B491 P49-24B	168								
B 492	118				4.00 .52	3.75 .31				B,6B	119,120 128,131,120	
B 492A	1		SHLD B491 P15-Q•	198				.25 .22	NO NO		114	
B 492E			P15-P• P49-10A	198 168				.22 .19	NO NO		114 132	
B 492X			SHLD B492 P49-10B	168								
B 493	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 493A	1		SHLD B493 P15-N•	198				.25 .22	NO NO		114	
B 493E			P15-N• P49-11A	198 168				.22 .19	NO NO		114 132	
B 493X			SHLD B493 P49-11B	168								
B 494	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 494A	1		SHLD B494 P16-V	199				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR ~~F~~ G
SHEET 90 OF ~~[illegible]~~ 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 494E			P16-U P67-C1	199 132				.22 .11	NO NO		114 90	
B 494X			SHLD B494 P67-D2	132								
B 495	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 495A	1		SHLD B495 P16-X	199				.25 .22	NO NO			
B 495E			P16-W P69-E1	199 136				.22 .11	NO NO		114 90	
B 495X			SHLD B495 P69-E2	136								
B 496	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 496A	1		SHLD B496 P16-Z	199				.25 .22	NO NO		114	
B 496E			P16-Y P67-E1	199 132				.22 .11	NO NO		114 90	
B 496X			SHLD B496 P67-E2	132								
B 497	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 497A	1		SHLD B497 P16-B•	199				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR Ø G | SHEET 91 OF ~~205~~ 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 497E			P16-A• P69-F1	199 136				.22 .11	NO NO		114 90	
B 497X			SHLD B497 P69-F2	136								
B 498	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 498A	1		SHLD B498 P16-N•	199				.25 .22	NO NO		114	
B 498E			P16-M• P67-F1	199 132				.22 .11	NO NO		114 90	
B 498X			SHLD B498 P67-F2	132								
B 499	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 499A	1		SHLD B499 P16-G	199				.25 .22	NO NO		114	
B 499E			P16-F P68-A1	199 129				.22 .11	NO NO		114 90	
B 499X			SHLD B499 P68-A2	129								
B 500	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 500A	1		SHLD B500 P16-J	199				.25 .22	NO NO		114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR Ø G | SHEET 92 OF ~~205~~ 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 500E			P16-H P70-B1	199 133				.22 .11	NO NO		114 90	
B 500X			SHLD B500 P70-B2	133								
B 501	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 501A	1		SHLD B501 P16-L	199				.25 .22	NO NO		114	
B 501E			P16-K P68-B1	199 129				.22 .11	NO NO		114 90	
B 501X			SHLD B501 P68-B2	129								
B 502	1		P16-Y• P64-EE	199 134				.22 .22	NO NO		114 115	
B 503	1		P16-AA P64-BB	199 134				.22 .22	NO NO		114 115	
B 504	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 504A	1		SHLD B504 P16-N	199				.25 .22	NO NO		114	
B 504E			P16-M P70-C1	199 133				.22 .11	NO NO		114 90	
B 504X			SHLD B504 P70-C2	133								

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR Ø G | SHEET 93 OF ~~205~~ 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 505	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 505A	1		SHLD B505 P16-R	199				.25 .22	NO NO		114	
B 505E			P16-P P68-C1	199 129				.22 .11	NO NO		114 90	
B 505X			SHLD B505 P68-C2	129								
B 506	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 506A	1		SHLD B506 P16-D•	199				.25 .22	NO NO		114	
B 506E			P16-C• P68-G1	199 129				.22 .11	NO NO		114 90	
B 506X			SHLD B506 P68-G2	129								
B 507	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 507A	1		SHLD B507 P16-G•	199				.25 .22	NO NO		114	
B 507E			P16-F• P70-H1	199 133				.22 .11	NO NO		114 90	
B 507X			SHLD B507 P70-H2	133								

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR Ø G | SHEET 94 OF ~~202~~ 208

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 508	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 508A	1		SHLD B508 P16-C	199				.25 .22	NO NO		114	
B 508E			P16-B P68-H1	199 129				.22 .11	NO NO		114 90	
B 508X			SHLD B508 P68-H2	129								
B 509	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 509A	1		SHLD B509 P16-E	199				.25 .22	NO NO			
B 509E			P16-D P70-J1	199 133				.22 .11	NO NO		114 90	
B 509X			SHLD B509 P70-J2	133								
B 510	1		P16-CC P115A-23	199 78				.22 .12	NO NO		114 113	
B 511	1		P16-V P16-X	199 199				.22 .22	NO NO		114	
B 512	1		P16-B• P16-Z	199 199				.22 .22	NO NO			
B 513	1		P16-N• P17-G	199 200				.22 .22	NO NO		115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542	
SCALE-NONE	REV LTR G		SHEET 95 OF 2[illegible]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 514	1		P16-G P16-J	199 199				.22 .22	NO NO			
B 515	1		P16-L P16-N	199 199				.22 .22	NO NO			
B 516	1		P16-R P17-K•	199 200				.22 .22	NO NO		115	
B 517	1		P16-D• P16-G•	199 199				.22 .22	NO NO			
B 518	1		P16-C P16-E	199 199				.22 .22	NO NO		114 114	
B 519	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 519A	1		SHLD B519 P16-S•	199				.25 .22	NO NO		114	
B 519E			P16-R• P128B-18A	199 167				.22 .11	NO NO		114 96	
B 519X			SHLD B519 P128B-18B	167						B,6		
B 520	118				4.00 .52	3.75 .23				B	119,120 120, 97, 98	
B 520A	1		SHLD B520 P16-HH	199				.25 .22	NO NO		114	
B 520E			P16-GG P128B-16A	199 167B				.22 .11	NO NO		114 96	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542	
SCALE-NONE	REV LTR G		SHEET 96 OF [illegible]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 520X			SHLD B520 P128B-16B	167B						B,6		
B 521	118				4.00 .52	3.75 .23				B A,10	119,120 92, 94,120	
B 521A	1		SHLD B521 P17-G	200				.25 .22	NO NO			
B 521E			P17-F P69-G1	200 136				.22 .11	NO NO		115 90	
B 521X			SHLD B521 P69-G2	136								
B 522	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 522A	1		SHLD B522 P17-K•	200				.25 .22	NO NO			
B 522E			P17-J• P70-D1	200 133				.22 .11	NO NO		115 90	
B 522X			SHLD B522 P70-D2	133								
B 523	2		P17-A P126E-29	200 31				.22 [illegible] .22	NO NO		127 138	
B 524	1		P17-Y• P130B-1	200 179B				.22 .12	NO NO		115 113	
B 525	1		P17-BB P25-AA	200 195				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542	
SCALE-NONE	REV LTR G		SHEET 97 OF [illegible]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 526	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 526B	1		TB6-3 SHLD B526	237				.20 .25	NO NO		74	
B 526L			P17-V TB6-3	200 237				.22 .20	NO NO		115 74	
B 526R			P17-U TB5-7	200 233				.22 .20	NO NO		115 73	
B 527	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 527A	1		SHLD B527 P17-E	200				.25 .22	NO NO		115	
B 527E			P17-C P128B-19A	200 167B				.22 .11	NO NO		115	
B 527X			SHLD B527 P128B-19B	167B								
B 528	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 528A	1		SHLD B528 P17-J	200				.25 .22	NO NO		115	
B 528E			P17-H P49-41A	200 168				.22 .19	NO NO		115 132	
B 528X			SHLD B528 P49-41B	168								

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542	
SCALE-NONE	REV LTR G		SHEET 98 OF [illegible]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G ℓ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 529	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 529A	1		SHLD B529 P17-L	 200				.25 .22	NO NO		115	
B 529E			P17-K P49-42A	200 168				.22 .19	NO NO		115 132	
B 529X			SHLD B529 P49-42B	 168								
B 530	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 530A	1		SHLD B529 P17-N	 200				.25 .22	NO NO		115	
B 530E			P17-M P49-43A	200 168				.22 .19	NO NO		115 132	
B 530X			SHLD B530 P49-43B	 168								
B 531	118				4.00 .52	3.75 .23				B,6B	120,119 120, 97, 98	
B 531A	1		SHLD B531 P17-R	 200				.25 .22	NO NO		115	
B 531E			P17-P P128B-17A	200 167				.22 .11	NO NO		115 96	
B 531X			SHLD B531 P128B-17P	 167								

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SIZE A

2900542

SCALE-NONE

REV LTR ℓ G

SHEET 99 OF [redacted]

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WIRING HARNENESS B 2900542 G ℓ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 532	1		P17-M* P34-PP	200 188				.22 .22	NO NO		115 115	
B 533	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 533B	1		P115D-31 SHLD B533	77				.12 .25	NO NO		113	
B 533L			P19-C P115D-10	24 77				.22 .12	NO NO		114 113	
B 533R			P19-B P115D-9	24 77				.22 .12	NO NO		114 113	
B 534	1		P20-BB P99-R*	201 186				.22 .22	NO NO		115 115	
B 535	1		P20-LL P99-R	201 186				.22 .22	NO NO		115 115	
B 536	1		P20-FF P129A-3	201 174A				.22 .12	NO NO		115 113	
B 537	1		P20-MM P99-J	201 186				.22 .22	NO NO		115 115	
B 538	1		P20-GG P99-M	201 186				.22 .22	NO NO		115 115	
B 539	1		P20-JJ P130B-9	201 179B				.22 .12	NO NO		115 113	
B 540	1		P20-KK P99-W	201 186				.22 .22	NO NO		115 115	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900542

SCALE-NONE

REV LTR ℓ G

SHEET 100 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G ℓ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 541	3		P20-PP P116D-32	201 55				.22 .12	NO NO		115 138	
B 542	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 542B	1		P116D-32 SHLD B542	55				.12 .25	NO NO		113	
B 542L			P20-Z P116D-10	201 55				.22 .12	NO NO		115 113	
B 542R			P20-Y P116D-9	201 55				.22 .12	NO NO		115 113	
B 543	3		P20-CC P129F-21	201 23F				.22 .12	NO NO		115 113	
B 544	1		P20-A* P34-D	201 188				.22 .22	NO NO		115 115	
B 545	1		P20-X* P129F-26	201 23F				.22 .12	NO NO		115 113	
B 546	1		P20-Y* P129F-25	201 23F				.22 .12	NO NO		115 113	
B 547	1		P20-Z* P129D-24	201 174D				.22 .12	NO NO		115 113	
B 548	1		P20-AA P129D-23	201 174D				.22 .12	NO NO		115 113	
B 549	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	

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CENTER
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SIZE A

2900542

SCALE-NONE

REV LTR ℓ G

SHEET 101 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G ℓ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 549A	1		SHLD B549 P21-Y	 202				.25 .29	NO NO		127	
B 549L			P21-Y P23-E	 17				.29 .22	NO NO		117	
B 549R			P21-X P23-D	202 17				.22 .22	NO NO		115 117	
B 550	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 550A	1		SHLD B550 P21-A*	 202				.25 .29	NO NO		127	
B 550L			P21-A* P23-C	202 17				.29 .22	NO NO		117	
B 550R			P21-Z P23-B	202 17				.22 .22	NO NO		115 117	
B 551	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 551A	1		SHLD B551 P21-C*	 202				.25 .29	NO NO		127	
B 551L			P21-C* P95-E	202 89				.29 .22	NO NO		117	
B 551R			P21-B* P95-D	202 89				.22 .20	NO NO		115 117	
B 552	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	

MANNED
SPACECRAFT
CENTER
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SIZE A

2900542

SCALE-NONE

REV LTR ℓ G

SHEET 102 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G ∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 552A	1		SHLD B552 P21-E*	 202				.25 .29	NO NO		 127	
B 552L			P21-E* P95-C	202 89				.29 .22	NO NO			
B 552R			P21-C* P95-B	202 231				.22 .20	NO NO		115 117	
B 553	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 553A	1		SHLD B553 E321-B	 204				.25 .25	NO NO			
B 553L			P21-B P91-U*	202 173				.22 .22	NO NO		115 115	
B 553R			P21-A P91-U	202 173				.22 .22	NO NO		115 115	
B 554	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 554B	1		P117A-32 SHLD B554	36				.12 .25	NO NO		138	
B 554L			P21-G* P117A-16	202 36				.22 .12	NO NO		115 113	
B 554R			P21-F* P117A-15	202 36				.22 .12	NO NO		115 113	
B 555	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR ∅ G	SHEET 103 OF [redacted]

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WIRING HARNENESS B 2900542 G ∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 555B	1		P115C-18 SHLD B555	77				.12 .25	NO NO		138	
B 555L			P21-P* P115D-18	202 77				.22 .12	NO NO		115	
B 555R			P21-N* P115D-17	202 77				.22 .12	NO NO		115 113	
B 555Y			P21-Q* P117D-3	202 77				.22 .12	NO NO		115 113	
B 556	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 556A	1		SHLD B556 E321-B	 204				.25 .25	NO NO			
B 556L			P21-V P99-A	202 186				.22 .22	NO NO		115 115	
B 556R			P21-W P99-B	202 186				.22 .22	NO NO		115 115	
B 557	1		P21-U P129B-15	202 174B				.22 .12	NO NO		115 113	
B 558	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 558B	1		E322-B SHLD B558	177				.25 .25	NO NO			
B 558L			P21-D P129B-14	202 174B				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR Ɇ G	SHEET 104 OF [redacted]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G ∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 558R			P21-C P129B-13	202 174B				.22 .12	NO NO		115 113	
B 559	1		P21-V* P129E-27	202 23E				.22 .12	NO NO		115 113	
B 560	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 560B	1		TB6-4 SHLD B560	238				.20 .25	NO NO		74	
B 560L			P22-S TB6-4	205 238				.22 .20	NO NO		117 74	
B 560R			P22-R TB6-8	205 242				.22 .20	NO NO		117 74	
B 561	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 561B	1		TB6-2 SHLD B561	236				.20 .25	NO NO		74	
B 561L			P22-P TB6-2	205 236				.22 .20	NO NO		117 74	
B 561R			P22-N TB5-6	205 232				.22 .20	NO NO		117 73	
B 562	142										120 120	
B 562L			P22-K TB8-9	205 207				.22 .20	NO NO		117 74	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR ∅ G	SHEET 105 OF [redacted]

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WIRING HARNENESS B 2900542 G [redacted]

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 562R			P22-J TB7-10	205 216				.22 .20	NO NO		117 74	
B 563	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 563B	1		P115A-16 SHLD B563	78				.12 .22	NO NO			
B 563L			P22-M P115A-16	205 78				.22 .12	NO NO		117 138	
B 563R			P22-L P115A-15	205 78				.22 .12	NO NO		117 113	
B 564	2		P22-A P126F-29	205 30				.22 [redacted] .22	NO NO		117 138	
B 565	2		P23-A P126E-32	17 31				.22 [redacted] .22	NO NO		117 138	
B 566	2		P24-EE TB7-1	196 224				.22 .20	NO NO		127 74	
B 567	2		P24-FF TB8-1	196 215				.22 .20	NO NO		127 74	
B 568												
B 568K	1		P24-PP TB6-1	196 235				.22 .20	NO NO		115 74	
B 568L	1		P24-LL TB5-2	196 229				.22 .20	NO NO		115 73	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR Ɇ G	SHEET 106 OF [redacted]

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MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 568R	1		P24-NN TB5-1	196 228				.22 .20	NO NO		115 73	
B 568Y	1		P24-MM TB5-3	196 230				.22 .20	NO NO		115 73	
B 569	1		P24-Q• P37-E•	196 38				.22 .22	NO NO		115 115	
B 570	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 570A	1		SHLD B570 TB6-3	 237				.25 .20	NO NO		 74	
B 570L			P24-HH TB6-3	196 237				.22 .20	NO NO		115 74	
B 570R			P24-GG TB5-6	196 232				.22 .20	NO NO		115 73	
B 571	1		P24-A• P130B-5	196 179B				.22 .12	NO NO		115 113	
B 572	1		P24-R P99-C•	196 186				.22 .22	NO NO		115 115	
B 573	1		P24-P P99-W•	196 186				.22 .22	NO NO		115 115	
B 574	1		P24-D• P99-G•	196 186				.22 .22	NO NO		115 115	
B 575	1		P24-I• P36-H•	196 181				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 107 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 576	1		P24-Z• P92-V	196 183				.22 .22	NO NO		115 115	
B 577	1		P24-Y• P92-U	196 183				.22 .22	NO NO		115 115	
B 578	1		P24-X• P92-T	196 183				.22 .22	NO NO		115 115	
B 579	1		P24-BB P92-R	196 183				.22 .22	NO NO		115 115	
B 580	1		P24-AA P92-S	196 183				.22 .22	NO NO		115 115	
B 581	1		P24-W• P96-A•	196 182				.22 .22	NO NO		115 115	
B 582	1		P24-y• P96-B•	196 182				.22 .22	NO NO		115 115	
B 583	1		P24-U• P96-C•	196 182				.22 .22	NO NO		115 115	
B 584	1		P24-JJ P92-X	196 183				.22 .22	NO NO		115 115	
B 585	1		P24-B P129E-32	196 23E				.22 .12	NO NO		115 113	
B 586	2		P24-A P126F-31	196 30				.22 .22	NO NO		127 138	
B 587	7				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 108 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 587A	1		SHLD B587 P129E-32	 23E				.25 .12	NO NO			
B 587L			P24-K• P98-X•	196 187				.22 .22	NO NO		115 115	
B 587R			P24-J• P98-W•	196 187				.22 .22	NO NO		115 115	
B 588	1		P24-CC P114A-9	196 38				.22 .12	NO NO		115 113	
B 589	1		P24-CD P114A-10	196 38				.22 .12	NO NO		115 113	
B 590	1		P24-D P34-Y•	196 188				.22 .22	NO NO		115 115	
B 591	1		P24-C P130E-3	199 22E				.22 .12	NO NO		115 113	
B 592	1		P24-V TB4-10	196 227				.22 .20	NO NO		115 73	
B 593	1		P24-Z P129D-15	196 174D				.22 .12	NO NO		115 113	
B 594	1		P24-G• P130D-3	196 179D				.22 .12	NO NO		115 113	
B 595	1		P24-M• P37-D•	196 251				.22 .22	NO NO		115 115	
B 596	1		P24-T• P130B-7	196 179B				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 109 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 597	1		P24-KK P129A-7	196 174A				.22 .12	NO NO		115 113	
B 598	1		P25-B• P99-A•	195 186				.22 .22	NO NO		115 115	
B 599	1		P25-C• P104D-27	195 70				.22 .12	NO NO		115 113	
B 600	1		P25-D• P104D-28	195 70				.22 .12	NO NO		115 113	
B 601	1		P25-Z P34-V	195 188				.22 .22	NO NO		115 115	
B 602	3		P25-S P129A-21	195 174				.22 .12	NO NO		115 113	
B 603	1		P25-W P90-D	195 21				.22 .20	NO YES		115	
B 604	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 604A	1		SHLD B604 E328-B	 175				.25 .25	NO NO			
B 604L			P25-Y P97-F	195 116				.22 .22	NO NO		115 114	
B 604R			P25-X P97-E	195 116				.22 .22	NO NO		115 114	
B 605	1		P25-T• P129A-27	195 174A				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE
REV LTR G
SHEET 110 OF 209

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WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 606	1		P25-CC P61-5	195 123				.22 .19	NO NO		115 134	
B 607	1		P25-CD P121C-29	195 72				.22 .12	NO NO		115 113	
B 608	3		P25-FF P129A-25	195 174A				.22 .12	NO NO		115 113	
B 609	3		P25-GG P129A-26	195 174A				.22 .12	NO NO		115 113	
B 610	3		P25-HH P130C-9	195 179C				.22 .12	NO NO		115 113	
B 611	3		P25-JJ P130C-10	195 179C				.22 .12	NO NO		115 113	
B 612	3		P25-KK P129A-24	195 174A				.22 .12	NO NO		115 113	
B 613	3		P25-LL P129A-23	195 174A				.22 .12	NO NO		115 113	
B 614	1		P25-MM P27-GG	195 185				.22 .22	NO NO		115 115	
B 615	140										120 120	
B 615L			P26-V P129E-20	194 23E				.22 .12	NO NO		115 113	
B 615R			P26-U P129E-19	194 23E				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
SHEET 111 OF 209

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 616	1		P25-BB P115D-22	195 78				.22 .12	NO NO		115 113	
B 617	118				4.00 .52	3.75 .23				B,6B A,10	120,119 92, 94	
B 617A	1		SHLD B617 P26-S	 194				.25 .22	NO NO		 115	
B 617E			P26-R P93-F1	194 130				.22 .11	NO NO		115 90	
B 617X			SHLD B617 P93-F2	 130								
B 618	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 618B	1		P120D-31 SHLD B618	33				.22 .25	NO NO		113	
B 618L			P26-MM P120D-8	194 33				.22 .12	NO NO		115 113	
B 618R			P26-LL P120D-7	194 33				.22 .12	NO NO		115 113	
B 619	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 619B	1		P104D-31 SHLD B619	68				.12 .25	NO NO		113	
B 619L			P26-I• P104D-16	194 68				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
SHEET 112 OF 209

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 619R			P26-H• P104D-15	194 68				.22 .12	NO NO		115 113	
B 620	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 620B	1		P109D-31 SHLD B620	79				.12 .25	NO NO		113	
B 620L			P26-P P109D-20	194 79				.22 .12	NO NO		115 113	
B 620R			P26-N P109D-19	194 79				.22 .12	NO NO		115 113	
B 621	143				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 621A	1		SHLD B621 E313-B	 4				.25 .25	NO NO			
B 621L			P26-B P37-KK	194 251				.22 .22	NO NO		115 115	
B 621R			P26-A P37-LL	194 251				.22 .22	NO NO		115 115	
B 621Y			P26-C P37-JJ	194 251				.22 .22	NO NO		115 115	
B 622	1		P26-BB P110A-19	194 63				.22 .12	NO NO		115 113	
B 623	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900542
SCALE - NONE
REV LTR ~~F~~ G
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WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 623B	1		E300-B SHLD B623	43				.25 .25	NO NO			
B 623L			P26-X P108A-18	194 46				.22 .12	NO NO		115 113	
B 623R			P26-W P108A-17	194 46				.22 .12	NO NO		115 113	
B 624			DELETED									
B 625	1		P26-U• P102A-1	194 50				.22 .12	NO NO		115 113	
B 626	1		P27-H• P48-R•	185 169				.22 .22	NO NO		115 115	
B 627	1		P27-I• P48-S•	185 169				.22 .22	NO NO		115 115	
B 628	1		P27-J• P48-R	185 169				.22 .22	NO NO		115 115	
B 629	1		P27-K• P48-S	185 169				.22 .22	NO NO		115 115	
B 630	1		P27-M• P48-V	185 169				.22 .22	NO NO		115 115	
B 631	1		P27-N• P48-W	185 169				.22 .22	NO NO		115 115	
B 632	1		P27-P• P48-Q•	185 169				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE - NONE
REV LTR ~~F~~ G
SHEET 114 OF 209

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 633	1		P27-C• P48-CD	185 169				.22 .22	NO NO		115 115	
B 634	1		P27-T• P48-M•	185 169				.22 .22	NO NO		115 115	
B 635	1		P27-U• P48-P•	185 169				.22 .22	NO NO		115 115	
B 636	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 636A	1		SHLD B636 P27-W•	 185				.25 .22	NO NO		 115	
B 636E			P27-V• P128A-19A	185 171				.22 .11	NO NO		115 96	
B 636X			SHLD B636 P128A-19B	 171								
B 637	1		P27-JJ P130B-3	185 179B				.22 .12	NO NO		115 113	
B 638	1		P27-LL P48-HH	185 169				.22 .22	NO NO		115 115	
B 639	1		P27-MM P48-PP	185 169				.22 .22	NO NO		115 115	
B 640	1		P27-NN P130D-1	185 179D				.22 .12	NO NO		115 113	
B 641	1		P27-PP P31-LL	185 191				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 115 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 642	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 642B	1		E323-B SHLD B642	128				.25 .25	NO NO			
B 642L			P28-C P65-M•	113 131				.22 .22	NO NO		115 115	
B 642R			P28-B P65-M	113 131				.22 .22	NO NO		115 115	
B 643	1		P28-D P103D-32	113 84				.22 .12	NO NO		115 138	
B 644	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 644B	1		E334-B SHLD B644	124				.25 .25	NO NO			
B 644L			P29-C P116A-26	111 58				.22 .12	NO NO		115 113	
B 644R			P29-B P116A-25	111 58				.22 .12	NO NO		115 113	
B 645	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 645B	1		E334-B SHLD B645	56				.25 .25	NO NO			
B 645L			P29-G P116A-8	111 58				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 116 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 645R			P29-F P116A-7	111 58				.22 .12	NO NO		115 113	
B 646	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 646B	1		E306-B SHLD B646	57				.25 .25	NO NO			
B 646L			P29-E P116A-14	111 58				.22 .12	NO NO		115 113	
B 646R			P29-D P116A-13	111 58				.22 .12	NO NO		115 113	
B 647	9				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 647B	1		TB9-9 SHLD B647	97				.20 .25	NO NO		74	
B 647L			P30-E TB9-9	112 97				.22 .20	NO NO		117 74	
B 647R			P30-D TB9-6	112 100				.22 .20	NO NO		117 74	
B 648	2		P30-A P126E-30	112 30				.22 .22	NO NO		117 138	
B 649	1		P31-MM P99-C•	191 186				.22 .22	NO NO		115 115	
B 650	1		P31-NN P99-H•	191 186				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 117 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 651	1		P31-V• P99-D•	191 186				.22 .22	NO NO		115 115	
B 652	1		P31-W• P99-J•	191 186				.22 .22	NO NO		115 115	
B 653	1		P31-HH P99-E•	191 186				.22 .22	NO NO		115 115	
B 654	1		P31-JJ P99-I•	191 186				.22 .22	NO NO		115 115	
B 655	1		P31-BB P98-K	191 187				.22 .22	NO NO		115 115	
B 656	3		P31-X• P99-DD	191 186				.22 .22	NO NO		115 115	
B 657	1		P31-Q• P98-B	191 187				.22 .22	NO NO		115 115	
B 658	1		P31-D P98-A	191 187				.22 .22	NO NO		115 115	
B 659	1		P31-J• P34-W•	191 188				.22 .22	NO NO		115 115	
B 660	1		P31-H• P34-P•	191 188				.22 .22	NO NO		115 115	
B 661	1		P31-G• P34-T•	191 188				.22 .22	NO NO		115 115	
B 662	1		P31-A P98-E•	191 187				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE-NONE	REV LTR G	SHEET 118 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG		ESSORY MS	REMARKS
B 663	1		P31-B• P98-F•	191 187				.22 .22		15 115	
B 664	1		P31-A• P34-R•	191 188				.22 .22		115 115	
B 665	1		P31-Z P34-U•	191 188				.22 .22	NO NO	115 115	
B 666	1		P31-Y P98-D•	191 187				.22 .22	NO NO	115 115	
B 667	1		P31-J P34-X•	191 188				.22 .22	NO NO	115 115	
B 668	1		P31-T P98-M	191 187				.22 .22	NO NO	115 115	
B 669	1		P31-S P98-Y	191 187				.22 .22	NO NO	115 115	
B 670	1		P31-L P98-X	191 187				.22 .22	NO NO	115 115	
B 671	1		P31-B P98-Z	191 187				.22 .22	NO NO	115 115	
B 672	1		P31-W P98-B•	191 187				.22 .22	NO NO	115 115	
B 673	1		P31-V P98-A•	191 187				.22 .22	NO NO	115 115	
B 674	1		P31-P• P130F-1	191 22F				.22 .22	NO NO	115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 119 OF [redacted]

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 675	1		P31-GG P36-V	191 184				.22 .22	NO NO		115 115	
B 676	1		P31-DD P92-D•	191 183				.22 .22	NO NO		115 115	
B 677	1		P31-KK P92-E•	191 183				.22 .22	NO NO		115 115	
B 678	1		P31-E P92-C•	191 183				.22 .22	NO NO		115 115	
B 679	1		P31-PP P92-J•	191 183				.22 .22	NO NO		115 115	
B 680	3		P31-M E301-B	191 39				.22 .25	NO NO		115	
B 681	1		P31-P P98-G	191 187				.22 .22	NO NO		115 115	
B 682	1		P31-R P98-C•	191 187				.22 .22	NO NO		115 115	
B 683	1		P31-U P98-H	191 187				.22 .22	NO NO		115 115	
B 684	1		P31-X P98-N	191 187				.22 .22	NO NO		115 115	
B 685	1		P31-C• P98-J	191 187				.22 .22	NO NO		115 115	
B 686	1		P31-D• P121A-23	191 74				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 120 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 687	1		P31-E• P129E-24	191 23E				.22 .12	NO NO		115 113	
B 688	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 688B	1		E329-B SHLD B688	44				.25 .25	NO NO			
B 688L			P32-A• P108A-24	190 46				.22 .12	NO NO		115 113	
B 688R			P32-A P108A-23	190 46				.22 .12	NO NO		115 113	
B 689	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 689B	1		E324-B SHLD B689	180				.25 .25	NO NO			
B 689L			P32-P P36-V•	190 181				.22 .22	NO NO		115 115	
B 689R			P32-R P36-S•	190 181				.22 .22	NO NO		115 115	
B 690	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 690B	1		E324-B SHLD B690	180				.25 .25	NO NO			
B 690L			P32-DD P36-L•	190 181				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 121 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 690R			P32-EE P36-R•	190 181				.22 .22	NO NO		115 115	
B 691	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 691B	1		E324-B SHLD B691	180				.25 .25	NO NO			
B 691L			P32-V• P36-T•	190 181				.22 .22	NO NO		115 115	
B 691R			P32-U• P36-P•	190 181				.22 .22	NO NO		115 115	
B 692	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 692B	3		E325-B SHLD B692	67				.25 .25	NO NO			
B 692L			P32-R• P107A-17	190 65				.22 .12	NO NO		115 113	
B 692R			P32-G• P107A-19	190 65				.22 .12	NO NO		115 113	
B 693	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 693B	3		E325-B SHLD B693	67				.25 .25	NO NO			
B 693L			P32-P• P107A-11	190 65				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 122 OF [redacted]

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MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 693R			P32-N• P107A-13	190 65				.22 .12	NO NO		115 113	
B 694	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 694B	3		E325-B SHLD B694	67				.25 .25	NO NO			
B 694L			P32-T P107A-10	190 65				.22 .12	NO NO		115 113	
B 694R			P32-S P107A-9	190 65				.22 .12	NO NO		115 113	
B 695	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 695B	3		E325-B SHLD B695	67				.25 .22	NO NO			
B 695L			P32-V P107A-16	190 65				.22 .12	NO NO		115 113	
B 695R			P32-U P107A-15	190 65				.22 .12	NO NO		115 113	
B 696	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 696B	3		E325-B SHLD B696	67				.25 .25	NO NO			
B 696L			P32-T• P107A-23	190 65				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE REV LTR G SHEET 123 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 696R			P32-S• P107A-25	190 65				.22 .12	NO NO		115 113	
B 697	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 697B	3		E325-B SHLD B697	67				.25 .25	NO NO			
B 697L			P32-X P107A-22	190 65				.22 .12	NO NO		115 113	
B 697R			P32-W P107A-21	190 65				.22 .12	NO NO		115 113	
B 698	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 698B	1		E330-B SHLD B698	76				.25 .22	NO NO			
B 698L			P32-MM P118A-10	190 75				.22 .12	NO NO		115 113	
B 698R			P32-PP P118A-9	190 75				.22 .12	NO NO		115 113	
B 699	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 699B	1		E330-B SHLD B699	76				.25 .25	NO NO			
B 699L			P32-FF P118A-18	190 75				.22 .12	NO NO		115 113	

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HOUSTON, TEXAS
SIZE A
2900542
SCALE-NONE REV LTR G SHEET 124 OF 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 699R			P32-NN P118A-17	190 75				.22 .12	NO NO		115 113	
B 700	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 700B	1		E330-B SHLD B700	76				.25 .25	NO NO			
B 700L			P32-Z P118A-16	190 75				.22 .12	NO NO		115 113	
B 700R			P32-Y P118A-15	190 75				.22 .12	NO NO		115 113	
B 701	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 701B	1		E326-B SHLD B701	66				.25 .25	NO NO			
B 701L			P32-C• P107A-30	190 65				.22 .12	NO NO		115 113	
B 701R			P32-C P107A-29	190 65				.22 .12	NO NO		115 113	
B 702	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 702B	1		E302-B SHLD B702	40				.25 .25	NO NO			
B 702L			P32-F• P108D-20	190 45				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 702R			P32-F P108D-19	190 45				.22 .12	NO NO		115 113	
B 703	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 703B	1		E329-B SHLD B703	44				.25 .25	NO NO			
B 703L			P32-H• P108A-6	190 46				.22 .12	NO NO		115 113	
B 703R			P32-H P108A-5	190 46				.22 .12	NO NO		115 113	
B 704	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 704B	1		E302-B SHLD B704	40				.25 .25	NO NO			
B 704L			P32-M• P108D-8	190 45				.22 .12	NO NO		115 113	
B 704R			P32-M P108D-7	190 45				.22 .12	NO NO		115 113	
B 705	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 705B	1		E329-B SHLD B705	44				.25 .25	NO NO			
B 705L			P32-B P108A-28	190 46				.22 .12	NO NO		115 113	

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HOUSTON, TEXAS
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2900542
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WIRING HARNENESS B 2900542 G∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 705R			P32-B• P108A-27	190 40				.22 .12	NO NO		115 113	
B 706	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 706B	1		E326-B SHLD B706	44				.25 .12	NO NO			
B 706L			P32-C• P107A-28	190 65				.22 .12	NO NO		115 113	
B 706R			P32-D P107A-27	190 65				.22 .12	NO NO		115 113	
B 707	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 707B	1		E329-B SHLD B707	44				.25 .25	NO NO			
B 707L			P32-G• P108A-21	190 46				.22 .12	NO NO		115 113	
B 707R			P32-G P108A-22	190 46				.22 .12	NO NO		115 113	
B 709	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 709B	1		E329-B SHLD B709	44				.25 .25	NO NO			
B 709L			P32-J• P108A-4	190 46				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR ∅ G | SHEET 127 OF [illegible] 209

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WIRING HARNENESS B 2900542 G∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 709R			P32-J P108A-3	190 46				.22 .12	NO NO		115 113	
B 711	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 711B	1		P105A-32 SHLD B711	48				.12 .25	NO NO		113 113	
B 711L			P32-Z• P105A-28	190 48				.22 .12	NO NO		115 113	
B 711R			P32-Y• P105A-27	190 48				.22 .12	NO NO		115 113	
B 712L			DELETED									
B 713	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 713B	1		E302-B SHLD B713	40				.25 .25	NO NO			
B 713L			P32-AA P108D-14	190 45				.22 .12	NO NO		115 113	
B 713R			P32-BB P108D-13	190 45				.22 .12	NO NO		115 113	
B 714	2		P33-E TB8-3	189 213				.22 .20	NO NO		127 74	
B 715	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR ∅ G | SHEET 128 OF [illegible] 209

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WIRING HARNENESS B 2900542 G [illegible]

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 715B	1		E329-B SHLD B715	44				.25 .25	NO NO			
B 715L			P32-LL P108A-10	190 46				.22 .12	NO NO		115 113	
B 715R			P32-KK P108A-9	190 46				.22 .12	NO NO		115 113	
B 716	2		P33-D TB7-4	189 222				.22 .20	NO NO		127 74	
B 717	3		P33-B TB1-2	189 165				.22 .20	NO NO		115 73	
B 718	3		P33-X TB2-2	189 156				.22 .20	NO NO		115 74	
B 719	2		P33-A P126F-26	189 30				.22 [illegible] .22	NO NO		127 138	
B 720	3		P33-C TB3-2	189 154				.22 .20	NO NO		115 73	
B 721	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 721B	1		P115A-18 SHLD B721	78				.12 .25	NO NO			
B 721L			P33-J P115A-18	189 78				.22 .12	NO NO		115 138	
B 721R			P33-H P115A-17	189 78				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR [illegible] G | SHEET 129 OF [illegible] 209

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WIRING HARNENESS B 2900542 G∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 721Y			P33-G P117A-3	189 36				.22 .12	NO NO		115 113	
B 722	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 722B	1		P129A-32 SHLD B722	174A				.12 .22	NO NO			
B 722L			P33-L P129A-20	189 174A				.22 .12	NO NO		115 113	
B 722R			P33-K P129A-19	189 174A				.22 .12	NO NO		115 113	
B 723	1		P33-M P34-Z•	189 188				.22 .22	NO NO		115 115	
B 724	1		P33-N P34-AA	189 188				.22 .22	NO NO		115 115	
B 725	1		P33-P P34-BB	189 188				.22 .22	NO NO		115 115	
B 726	1		P33-S P129A-15	189 174A				.22 .12	NO NO		115 113	
B 727	1		P33-F P129A-5	189 174A				.22 .12	NO NO		115 113	
B 728	1		P33-Y P130A-3	189 179A				.22 .12	NO NO		115 113	
B 729	1		P33-A• P129A-29	189 174A				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR ∅ G | SHEET 130 OF [illegible] 209

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 730	1		P33-U* P129A-30	189 174A				.22 .12	NO NO		115 113	
B 731	1		P34-U TB5-3	188 230				.22 .20	NO NO		115 73	
B 732	2		P34-W TB7-3	188 223				.22 .20	NO NO		127 74	
B 733	2		P34-X TB8-2	188 214				.22 .20	NO NO		127 74	
B 734	1		P34-J* P36-M	188 181				.22 .22	NO NO		115 115	
B 735	1		P34-H* P36-W	188 181				.22 .22	NO NO		115 115	
B 736	2		P34-A P126F-25	188 30				.22 .22	NO NO		127 138	
B 737	1		P34-B* P129A-11	168 174A				.22 .12	NO NO		115 113	
B 738	1		P34-C* P129A-12	188 174A				.22 .12	NO NO		115 113	
B 739	1		P34-M P129B-5	188 174B				.22 .12	NO NO		115 113	
B 740	3		P34-P P129B-21	188 174B				.22 .12	NO NO		115 113	
B 741	1		P34-Y TB4-9	188 226				.22 .20	NO NO		115 73	

MANNED SPACECRAFT CENTER
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 742	1		P34-Z P90-C	188 21				.22 .20	NO YES		115	
B 743	1		P34-I* P96-LL	188 182				.22 .22	NO NO		115 115	
B 744	1		P34-M* P120D-2	188 53				.22 .12	NO NO		115 113	
B 745	1		P34-CC P65-KK	188 131				.22 .22	NO NO		115 115	
B 746	1		P34-DD P65-LL	188 131				.22 .22	NO NO		115 115	
B 747	1		P34-EE P65-JJ	188 131				.22 .22	NO NO		115 115	
B 748	1		P34-FF P65-FF	188 131				.22 .22	NO NO		115 115	
B 749	1		P34-GG P65-GG	188 131				.22 .22	NO NO		115 115	
B 750	1		P34-HH P65-HH	188 131				.22 .22	NO NO		115 115	
B 751	1		P34-K P129A-17	188 174A				.22 .12	NO NO		115 113	
B 752	1		P34-F P130C-3	188 179C				.22 .12	NO NO		115 113	
B 753	1		P34-J P121A-25	188 74				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER
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2900542
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 754	1		P34-N P130C-5	188 179C				.22 .12	NO NO		115 113	
B 755	3		P34-A* P129B-27	188 174B				.22 .12	NO NO		115 113	
B 756	1		P34-D* P130A-5	188 179A				.22 .12	NO NO		115 113	
B 757	1		P34-KK P130C-10	188 179D				.22 .12	NO NO		115 113	
B 758	1		P34-LL P130D-9	188 179D				.22 .12	NO NO		115 113	
B 759	1		P34-MM P129B-25	188 174B				.22 .12	NO NO		115 113	
B 760	1		P34-NN P129B-26	188 174B				.22 .13	NO NO		115 113	
B 761	2		P35-A P126F-24	184 30				.22 .22	NO NO		127 138	
B 762	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 762B	1		E331-B SHLD B762	69				.25 .25	NO NO			
B 762L			P35-Y P104A-16	184 70				.22 .12	NO NO		115 113	
B 762R			P35-Z P104A-15	184 70				.22 .12	NO NO		115 113	

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SIZE A
2900542
SCALE-NONE
REV LTR G
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 763	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 763B	1		SHLD B763 P103A-31	 85				.25 .12	NO NO		 113	
B 763L			P35-E* P103A-28	184 85				.22 .12	NO NO		115 113	
B 763R			P35-F* P103A-27	184 85				.22 .12	NO NO		115 113	
B 764	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 764B	1		E312-B SHLD B764	178				.25 .25	NO NO			
B 764L			P35-V P129A-14	184 174A				.22 .12	NO NO		115 113	
B 764R			P35-U P129A-13	184 174A				.22 .12	NO NO		115 113	
B 765	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 765B	1		E322-B SHLD B765	177				.25 .25	NO NO			
B 765L			P35-R P129B-20	184 174B				.22 .12	NO NO		115 113	
B 765R			P35-P P129B-19	184 174B				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 766	1		P35-AA P110D-1	184 60				.22 .12	NO NO		115 113	
B 767	1		P35-M P62-51	184 125				.22 .19	NO NO		115 134	
B 768	1		P35-N P62-34	184 125				.22 .19	NO NO		115 134	
B 769	1		P35-Q• P114A-11	184 38				.22 .12	NO NO		115 113	
B 770	1		P35-J• P129B-24	184 174B				.22 .12	NO NO		115 113	
B 771	1		P35-K• P129B-23	184 174B				.22 .12	NO NO		115 113	
B 772	1		P35-M• P121D-25	184 72				.22 .12	NO NO		115 113	
B 775	1		P35-R• P114A-12	184 38				.22 .12	NO NO		115 113	
B 776	1		P36-P P98-L	181 187				.22 .22	NO NO		115 115	
B 777	1		P36-S P129D-5	161 174D				.22 .12	NO NO		115 113	
B 778	1		P36-U P98-V•	161 187				.22 .22	NO NO		115 115	
B 779	2		P36-T TB7-5	181 221				.22 .20	NO NO		115 74	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 780	1		P36-PP P106A-27	181 83				.22 .12	NO NO		115 113	
B 781	1		P36-NN P107D-3	181 64				.22 .12	NO NO		115 113	
B 782	1		P36-FF P110A-11	181 63				.22 .12	NO NO		115 113	
B 783	1		P36-KK P110A-17	181 63				.22 .12	NO NO		115 113	
B 784	1		P36-HH P110A-15	181 63				.22 .12	NO NO		115 113	
B 785	1		P36-D• P120D-13	181 33				.22 .12	NO NO		115 113	
B 786	1		P36-F• P120C-9	181 33				.22 .12	NO NO		115 113	
B 787	1		P36-B• P120D-14	181 33				.22 .12	NO NO		115 113	
B 788	1		P36-M• P98-T•	181 187				.22 .22	NO NO		115 115	
B 789	1		P36-I• P120D-10	181 33				.22 .12	NO NO		115 113	
B 790			DELETED									
B 791	1		P36-Z• P130A-7	181 179A				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 792	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 792B	1		TB6-2 SHLD B792	236				.20 .25	NO NO		74	
B 792L			P37-F• TB6-2	251 236				.22 .20	NO NO		115 74	
B 792R			P37-G• TB5-8	251 234				.22 .20	NO NO		115 73	
B 793	2		P37-GG TB8-8	251 246				.22 .20	NO NO		127 74	
B 794	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 794B	1		P103D-32 SHLD B794	84				.12 .25	NO NO			
B 794L			P37-X P103D-26	251 84				.22 .12	NO NO		115 113	
B 794R			P37-Y P103C-25	251 84				.22 .12	NO NO		115 113	
B 795	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 795B	1		P120C-32 SHLD B795	33				.12 .22	NO NO		138	
B 795L			P37-V P120C-16	251 33				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 795R			P37-U P120D-15	251 33				.22 .12	NO NO		115 113	
B 797	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 797B	1		P120D-32 SHLD B797	33				.12 .25	NO NO			
B 797L			P37-T P120D-18	251 33				.22 .12	NO NO		115 113	
B 797R			P37-S P120D-17	251 33				.22 .12	NO NO		115 113	
B 799	1		P37-FF P99-HH	251 186				.22 .22	NO NO		115 115	
B 800	1		P37-N P120D-3	251 33				.22 .12	NO NO		115 113	
B 801	1		P37-P P120D-4	251 33				.22 .12	NO NO		115 113	
B 802	1		P37-W P129E-15	251 23E				.22 .12	NO NO		115 113	
B 803	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 803A	1		SHLD B803 E338-B	 8				.25 .25	NO NO			
B 803L			J19-S• P37-G	7 251				.22 .22	NO NO		126 127	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 803R			J19-A P37-J	7 251				.22 .22	NO NO		126 127	
B 805	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 805A	1		SHLD B805 E338-B	 8				.25 .25	NO NO			
B 805L			J19-T• P37-H	7 251				.22 .22	NO NO		126 127	
B 805R			J19-B P37-F	7 251				.22 .22	NO NO		126 127	
B 807	3		P37-B• P129E-21	251 23E				.22 .12	NO NO		115 113	
B 808	1		P37-EE P130F-5	251 22F				.22 .12	NO NO		115 113	
B 809	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 809B	1		TB9-10 SHLD B809	96				.20 .25	NO NO		74	
B 809L			P38-E TB9-10	104 96				.22 .20	NO NO		117 74	
B 809R			P38-D TB9-7	104 99				.22 .20	NO NO		117 74	
B 810	2		P38-A P126E-27	104 31				.22 .22	NO NO		117 138	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~3~~ G | SHEET 139 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 811	3		P38-F P63-X•	104 137				.22 .22	NO NO		117 115	
B 812	3		P38-G P63-Y•	104 137				.22 .22	NO NO		117 115	
B 813	3		P38-H P63-W•	104 137				.22 .22	NO NO		117 115	
B 814	1		P38-C TB9-2	104 102				.22 .20	NO NO		117 74	
B 815	1		P39-A P64-B	105 134				.22 .22	NO NO		115 115	
B 816	1		P39-B P64-C	105 134				.22 .22	NO NO		115 115	
B 817	1		P39-S P64-U	105 134				.22 .22	NO NO		115 115	
B 818	1		P39-T P64-V	105 134				.22 .22	NO NO		115 115	
B 819	1		P39-C P64-N	105 134				.22 .22	NO NO		115 115	
B 820	1		P39-D P64-D	105 134				.22 .22	NO NO		115 115	
B 821	1		P39-E P64-E	105 134				.22 .22	NO NO		115 115	
B 822	1		P39-F P64-F	105 134				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~F~~ G | SHEET 140 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 823	1		P39-G P64-G	105 134				.22 .22	NO NO		115 115	
B 824	1		P39-H P64-H	105 134				.22 .22	NO NO		115 115	
B 825	1		P39-J P64-J	105 134				.22 .22	NO NO		115 115	
B 826	1		P39-K P64-K	105 134				.22 .22	NO NO		115 115	
B 827	1		P39-L P64-L	105 134				.22 .22	NO NO		115 115	
B 828	1		P39-M P64-M	105 134				.22 .22	NO NO		115 115	
B 829	1		P39-N P64-P	105 134				.22 .22	NO NO		115 115	
B 830	1		P39-P P64-W	105 134				.22 .22	NO NO		115 115	
B 831	1		P39-R P64-X	105 134				.22 .22	NO NO		115 115	
B 832	1		P39-U P64-h•	105 134				.22 .22	NO NO		115 115	
B 833	1		P39-V P64-Y	105 134				.22 .22	NO NO		115 115	
B 834	1		P39-W P64-Z	105 134				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~F~~ G | SHEET 141 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 835	1		P39-X P64-A•	105 134				.22 .22	NO NO		115 115	
B 836	1		P39-Y P64-B•	105 134				.22 .22	NO NO		115 115	
B 837	1		P39-Z P64-C•	105 134				.22 .22	NO NO		115 115	
B 838	1		P39-A• P64-D•	105 134				.22 .22	NO NO		115 115	
B 839	1		P39-B• P64-E•	105 134				.22 .22	NO NO		115 115	
B 840	1		P39-C• P64-F•	105 134				.22 .22	NO NO		115 115	
B 841	1		P39-D• P64-G•	105 134				.22 .22	NO NO		115 115	
B 842	1		P39-E• P64-I•	105 134				.22 .22	NO NO		115 115	
B 843	1		P39-F• P64-U•	105 134				.22 .22	NO NO		115 115	
B 844	1		P39-G• P64-T•	105 134				.22 .22	NO NO		115 115	
B 845	1		P39-H• P64-S•	105 134				.22 .22	NO NO		115 115	
B 846	1		P39-I• P64-R•	105 134				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542

SCALE-NONE | REV LTR ~~F~~ G | SHEET 142 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 847	1		P39-J• P64-Q•	105 134				.22 .22	NO NO		115 115	
B 848	1		P39-K• P64-P•	105 134				.22 .22	NO NO		115 115	
B 849	1		P39-M• P64-N•	105 134				.22 .22	NO NO		115 115	
B 850	1		P39-N• P64-M•	105 134				.22 .22	NO NO		115 115	
B 851	1		P39-R• P116D-20	105 55				.22 .12	NO NO		115 113	
B 852	1		P40-N P65-AA	106 131				.22 .22	NO NO		115 115	
B 853	1		P40-P P65-BB	106 131				.22 .22	NO NO		115 115	
B 854	1		P40-S P63-A•	106 131				.22 .22	NO NO		115 115	
B 855	1		P40-T P63-B•	106 131				.22 .22	NO NO		115 115	
B 856	1		P40-U P63-C•	106 137				.22 .22	NO NO		115 115	
B 857	1		P40-V P63-D•	106 137				.22 .22	NO NO		115 115	
B 858	1		P40-W P63-E•	106 137				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 143 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 859	1		P40-X P63-F•	106 137				.22 .22	NO NO		115 115	
B 860	1		P40-Y P63-G•	106 137				.22 .22	NO NO		115 115	
B 861	1		P40-Z P63-H•	106 137				.22 .22	NO NO		115 115	
B 862	1		P40-A• P63-I•	106 137				.22 .22	NO NO		115 115	
B 863	1		P40-C• P63-Z	106 137				.22 .22	NO NO		115 115	
B 864	1		P40-D• P63-Y	106 137				.22 .22	NO NO		115 115	
B 865	1		P40-E• P63-X	106 137				.22 .22	NO NO		115 115	
B 866	1		P40-F• P63-W	106 137				.22 .22	NO NO		115 115	
B 867	1		P40-G• P63-V	106 137				.22 .22	NO NO		115 115	
B 868	1		P40-H• P63-U	106 137				.22 .22	NO NO		115 115	
B 869	1		P40-I• P63-T	106 137				.22 .22	NO NO		115 115	
B 870	1		P40-J• P63-S	106 137				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 144 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 871	1		P40-K• P63-R	106 137				.22 .22	NO NO		115 115	
B 872	1		P40-M• P65-CC	106 131				.22 .22	NO NO		115 115	
B 873	1		P40-T• P64-R	106 134				.22 .22	NO NO		115 115	
B 874	1		P40-B• P47-J•	106 115				.22 .22	NO NO		115 114	
B 875	1		P40-U• P47-N•	106 115				.22 .22	NO NO		115 114	
B 876	1		P40-V• P47-F•	106 115				.22 .22	NO NO		115 114	
B 877	1		P40-W• P47-G•	106 115				.22 .22	NO NO		115 114	
B 878	1		P40-X• P47-K•	106 115				.22 .22	NO NO		115 114	
B 879	1		P40-Y• P47-W	106 115				.22 .22	NO NO		115 114	
B 880	1		P40-Z• P47-X	106 115				.22 .22	NO NO		115 114	
B 881	1		P40-AA P47-Z	106 115				.22 .22	NO NO		115 114	
B 882	1		P40-BB P47-A•	106 115				.22 .22	NO NO		115 114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 145 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 883	1		P40-CC P47-M	106 115				.22 .22	NO NO		115 114	
B 884	1		P40-DD P47-P	106 115				.22 .22	NO NO		115 114	
B 885	1		P40-EE P47-S	106 115				.22 .22	NO NO		115 114	
B 886	1		P40-FF P47-V	106 115				.22 .22	NO NO		115 114	
B 887	1		P40-GG P47-H	106 115				.22 .22	NO NO		115 114	
B 888	1		P40-HH P47-J	106 115				.22 .22	NO NO		115 114	
B 889	1		P40-JJ P47-K	106 115				.22 .22	NO NO		115 114	
B 890	1		P40-KK P47-L	106 115				.22 .22	NO NO		115 114	
B 891	1		P40-LL P47-B	106 115				.22 .22	NO NO		115 114	
B 892	1		P40-MM P47-C	106 115				.22 .22	NO NO		115 114	
B 893	1		P40-NN P47-D	106 115				.22 .22	NO NO		115 114	
B 894	1		P40-PP P47-F	106 115				.22 .22	NO NO		115 114	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 146 OF 209

MIL 2064 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 895	1		P40-N• P47-B•	106 115				.22 .22	NO NO		115 114	
B 896	1		P40-P• P47-C•	106 115				.22 .22	NO NO		115 114	
B 897	1		P40-Q• P47-D•	106 115				.22 .22	NO NO		115 114	
B 898	1		P40-R• P47-E•	106 115				.22 .22	NO NO		115 114	
B 899	1		P40-S• P47-M•	106 115				.22 .22	NO NO		115 114	
B 900	1		P41-A P116C-19	107 55				.22 .12	NO NO		115 113	
B 901	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 901A	1		SHLD B901 E323-B	 128				.25 .25	NO NO			
B 901L			P46-C P65-K•	117 131				.22 .22	NO NO		115 115	
B 901R			P46-B P65-K	117 131				.22 .22	NO NO		115 115	
B 902	1		P47-U P63-AA	115 137				.22 .22	NO NO		114 115	
B 903	1		P47-Y P63-Z•	115 137				.22 .22	NO NO		114 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 147 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 904	1		P47-T P63-BB	115 137				.22 .22	NO NO		114 115	
B 905	2		P48-A P126E-23	169 31				.22 .22	NO NO		127 138	
B 906	1		P48-P P129D-27	169 174D				.22 .12	NO NO		115 113	
B 907	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 907B	1		E326-B SHLD B907	66				.25 .25	NO NO			
B 907L			P48-U P107A-2	169 65				.22 .12	NO NO		115 113	
B 907R			P48-T P107A-1	169 65				.22 .12	NO NO		115 113	
B 908	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 908B	1		E337-B SHLD B908	82				.25 .25	NO NO			
B 908L			P48-Y P106A-26	169 83				.22 .12	NO NO		115 113	
B 908R			P48-X P106A-25	169 83				.22 .12	NO NO		115 113	
B 909	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 148 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 909B	1		E337-B SHLD B909	82				.25 .25	NO NO			
B 909L			P48-U• P106A-14	169 83				.22 .12	NO NO		115 113	
B 909R			P48-T• P106A-13	169 83				.22 .12	NO NO		115 113	
B 910	2		P48-CC TB8-6	169 210				.22 .20	NO NO		127 74	
B 911	137										120 120	
B 911L			P48-FF TB2-3	169 157				.22 .20	NO NO		115 74	
B 911R			P48-GG TB1-3	169 163				.22 .20	NO NO		115 73	
B 911Y			P48-EE TB3-3	169 152				.22 .20	NO NO		115 73	
B 912	1		P48-MM P121A-28	169 74				.22 .12	NO NO		115 113	
B 913	1		P48-NN P121A-27	169 74				.22 .12	NO NO		115 113	
B 914	2		P48-B E326-B	169 66				.22 .25	NO NO		127	
B 915	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 149 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 915E			P49-4A P94-E1	168 127				.19 .11	NO NO		132 90	
B 915X			P49-4B P94-E2	168 127								
B 916	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 916E			P49-1A P128C-18A	168 167C				.19 .11	NO NO		132 96	
B 916X			P49-1B P128C-18B	168 167C								
B 917	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 917E			P49-21A P69-D1	168 136				.19 .11	NO NO		132 90	
B 917X			P49-21B P69-D2	168 136								
B 918	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 918E			P49-22A P69-B1	168 136				.19 .11	NO NO		132 90	
B 918X			P49-22B P69-B2	168 136								
B 919	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 150 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 919E			P49-23A P67-A1	168 132				.19 .11	NO NO		132 90	
B 919X			P49-23B P67-A2	168 132								
B 920	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 920E			P49-38A P67-C1	168 132				.19 .11	NO NO		132 90	
B 920X			P49-38B P67-C2	168 132								
B 921	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 921E			P49-39A P69-C1	168 132				.19 .11	NO NO		132 90	
B 921X			P49-39B P69-C2	168 132								
B 922	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 922E			P49-40A P67-B1	168 132				.19 .11	NO NO		132 90	
B 922X			P49-40B P67-B2	168 132								
B 923	118				.38 .52	.19 .23					128,131,120 120, 97, 98	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE - NONE	REV LTR G	SHEET 151 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 923E			P49-47A P128C-19A	168 167C				.19 .11	NO NO		132 96	
B 923X			P49-47B P128C-19B	168 167C								
B 924	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 924B	1		TB9-9 SHLD B924	96				.20 .25	NO NO		74	
B 924L			P50-E TB9-9	114 96				.22 .20	NO NO		117 74	
B 924R			P50-D TB9-6	114 100				.22 .20	NO NO		117 74	
B 925	2		P50-A P126E-28	114 31				.22 .22	NO NO		117 138	
B 926	118				.50 4.00	.31 3.75				A,7	120 120	
B 926E			P51-1 P65-J	140 131				.11 .22	NO NO		115	
B 926X			P51-2 SHLD B926	140								
B 927	118				.50 4.00	.31 3.75				A,7	120 120	
B 927E			P52-1 P65-J•	139 131				.11 .22	NO NO		115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE - NONE	REV LTR G	SHEET 152 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 927X			P52-2 SHLD B927	139								
B 928	118				.50 4.00	.31 3.75				B,6B	120 120,119	
B 928B			P65-H• SHLD B928	131				.22 .25	NO NO		115	
B 928E			P53-1 P65-H	141 131				.11 .22	NO NO		115	
B 928X			P53-2 SHLD B928	141								
B 929	118				.50 .38	.31 .19					120 128,131,120	
B 929E			P54-1 P62-12A	142 125				.11 .19	NO NO		132	
B 929X			P54-2 P62-12B	142 125								
B 930	118				.50 .38	.31 .19					120 128,131	
B 930E			P55-1 P60-3A	145 122				.11 .19	NO NO		132	
B 930X			P55-2 P60-3B	145 122								
B 931	118				.50 .52	.31 .23					120 120, 97, 98	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900542
SCALE - NONE	REV LTR G	SHEET 153 OF 209

MIL 2084 4-63

WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 931E			P56-1 P128A-6A	147 171				.11 .11	NO NO		96	
B 931X			P56-2 P128A-6B	147 171								
B 932	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 932E			P57-1 J132-1	146 121				.11 .11	NO NO		93	
B 932X			P57-2 J132-2	146 121								
B 933	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 933E			P58-1 J133-1	144 120				.11 .11	NO NO		93	
B 933X			P58-2 J133-2	144 120								
B 934	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 934B	1		TB6-4 SHLD B934	238				.20 .25	NO NO		74	
B 934L			P59-E TB6-4	138 238				.22 .20	NO NO		117 74	
B 934R			P59-D TB6-7	138 241				.22 .20	NO NO		117 74	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 935	2		P59-A P126E-26	138 31				.22 ,22	NO NO		117 138	
B 936	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 936E			P60-18A P128C-10A	122 167C				.19 .11	NO NO		132 96	
B 936X			P60-18B P128C-10B	122 167C								
B 937	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 937E			P60-19A P128C-12A	122 167C				.19 .11	NO NO		132 96	
B 937X			P60-19B P128C-12B	122 167C								
B 938	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 938E			P60-16A P128C-13A	122 167C				.19 .11	NO NO		132 96	
B 938X			P60-16B P128C-13B	122 167C								
B 939	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 939E			P60-17A P128C-11A	122 167C				.19 .11	NO NO		132 96	

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 939X			P60-17B P128C-11B	122 167C								
B 940	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 940E			P60-22A P127C-19A	122 166				.19 .11	NO NO		132 96	
B 940X			P60-22B P127C-19B	122 166								
B 941	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 941E			P60-23A P127C-21A	122 166				.19 .11	NO NO		132 96	
B 941X			P60-23B P127C-21B	122 166								
B 942	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 942E			P60-24A P127C-24A	122 166				.19 .11	NO NO		132 96	
B 942X			P60-24B P127C-24B	122 166								
B 943	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 943E			P60-25A P127C-20A	122 166				.19 .11	NO NO		132 96	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 943X			P60-25B P127C-20B	122 166								
B 944	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 944E			P60-35A P128C-8A	122 167C				.19 .11	NO NO		132 96	
B 944X			P60-35B P128C-8B	122 167C								
B 945	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 945E			P60-37A P128C-9A	122 167C				.19 .11	NO NO		132 96	
B 945X			P60-37B P128C-9B	122 167C								
B 946	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 946E			P60-11A P127C-14A	122 166				.19 .11	NO NO		132 96	
B 946X			P60-11B P127C-14B	122 166								
B 947	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 947E			P60-12A P127C-12A	122 166				.19 .11	NO NO		132 96	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 947X			P60-12B P127C-12B	122 166								
B 948	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 948E			P60-20A P127C-17A	122 166				.19 .11	NO NO		132 96	
B 948X			P60-20B P127C-17B	122 166								
B 949	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 949E			P60-21A P127C-18A	122 166				.19 .11	NO NO		132 96	
B 949X			P60-21B P127C-18B	122 166								
B 950	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 950E			P60-7A P127C-9A	122 166				.19 .11	NO NO		132 96	
B 950X			P60-7B P127C-9B	122 166								
B 951	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 951E			P60-8A P127C-10A	122 166				.19 .11	NO NO		132 96	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 951X			P60-8B P127C-10B	122 166								
B 952	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 952E			P60-9A P127C-11A	122 166				.19 .11	NO NO		132 96	
B 952X			P60-9B P127C-11B	122 166								
B 953	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 953E			P60-10A P127C-13A	122 166				.19 .11	NO NO		132 96	
B 953X			P60-10B P127C-13B	122 166								
B 954	118				.38 4.00	.19 3.75				B,6B	128,131,120 119,120	
B 954B	1		P65-B* SHLD B954	131				.22 .25	NO NO		115	
B 954E			P60-41A P65-B	122 131				.19 .22	NO NO		132 115	
B 954X			P60-41B SHLD B954	122								
B 955	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 955B	1		E323-B SHLD B955	128				.25 .25	NO NO			
B 955L			P60-2B P65-U*	122 131			.32	.22 .22	NO NO		115	
B 955R			P60-2A P65-U	122 131				.19 .22	NO NO		132,100,101 115	
B 956	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 956B	1		E323-B SHLD B956	128				.25 .25	NO NO			
B 956L			P60-14 P65-R*	122 131				.19 .22	NO NO		134 115	
B 956R			P60-13 P65-R	122 131				.19 .22	NO NO		134 115	
B 957	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 957B	1		E323-B SHLD B957	128				.25 .25	NO NO			
B 957L			P60-28 P65-S*	122 131				.19 .22	NO NO		134 115	
B 957R			P60-27 P65-S	122 131				.19 .22	NO NO		134 115	
B 958	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 119,120	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 958B	1		E323-B SHLD B958	128				.25 .25	NO NO			
B 958L			P60-40B P65-T*	122 131			.32	.22 .22	NO NO		115	
B 958R			P60-40A P65-T	122 131				.19 .22	NO NO		132,100,101 115	
B 959	1		P60-29 P115A-1	122 78				.19 .12	NO NO		134 113	
B 960	1		P60-30 P114A-19	122 42				.19 .12	NO NO		134 113	
B 961	1		P60-31 P121A-10	122 74				.19 .12	NO NO		134 113	
B 962	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 962E			P60-26A P128C-16A	122 167C				.19 .11	NO NO		132 96	
B 962X			P60-26B P128C-16B	122 167C								
B 963	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 963B	1		E332-B SHLD B963	73				.25 .25	NO NO			
B 963L			P60-45 P121A-8	122 74				.19 .12	NO NO		134 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 963R			P60-44 P121A-7	122 74				.19 .12	NO NO		134 113	
B 964	1		P60-47 P115A-2	122 78				.19 .12	NO NO		134 113	
B 965	1		P60-48 P114A-20	122 38				.19 .12	NO NO		134 113	
B 966	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 966E			P60-36A P128C-17A	122 167C				.19 .11	NO NO		132 96	
B 966X			P60-36B P128C-17B	122 167C								
B 967	118				.38 .52	.19 .23				A,9	128,131,120 91, 92,120	
B 967E			P60-42A J134-1	122 119				.19 .11	NO NO		132 93	
B 967X			P60-42B J134-2	122 119								
B 968	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 968E			P60-43A P128C-20A	122 167C				.19 .11	NO NO		132 96	
B 968X			P60-43B P128C-20B	122 167C								

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 969	1		P60-15 P121A-9	122 74				.19 .12	NO NO		134 113	
B 970	118				.52 .38	.23 .19					120, 97, 98 128,131,120	
B 970E			P128A-7A P60-39A	171 122				.11 .19	NO NO		96 132	
B 970X			P128A-7B P60-39B	171 122								
B 971	2		P61-4 TB8-4	123 212				.19 .20	NO NO		136 74	
B 972	1		P61-12 P122A-22	123 52				.19 .12	NO NO		134 113	
B 973	1		P61-13 P122A-21	123 52				.19 .12	NO NO		134 113	
B 974	3		P61-14 TB7-4	123 222				.19 .20	NO NO		134 74	
B 975	1		P61-25 P122A-16	123 52				.19 .12	NO NO		134 113	
B 976	1		P61-26 P122A-15	123 52				.19 .12	NO NO		134 113	
B 977	1		P61-27 P122A-20	123 52				.19 .12	NO NO		134 113	
B 978	1		P61-28 P122A-19	123 52				.19 .12	NO NO		134 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 979	1		P61-29 P122A-11	123 52				.19 .12	NO NO		134 113	
B 980	1		P61-30 P122A-12	123 52				.19 .12	NO NO		134 113	
B 981	1		P61-31 P122A-13	123 52				.19 .12	NO NO		134 113	
B 982	1		P61-32 P122A-14	123 52				.19 .12	NO NO		134 113	
B 983	2		P61-43 P126F-22	123 30				.19 .22	NO NO		136 138	
B 984	1		P61-45 P122A-18	123 52				.19 .12	NO NO		134 113	
B 985	1		P61-46 P122A-17	123 52				.19 .12	NO NO		134 113	
B 986	137				2.00 6.00						120 120	
B 986L			P61-48 TB2-1	123 155				.19 .20	NO NO		134 74	
B 986R			P61-47 TB1-1	123 161				.19 .20	NO NO		134 73	
B 986Y			P61-49 TB3-1	123 150				.19 .20	NO NO		134 73	
B 987	1		P61-50 P121A-29	123 74				.19 .12	NO NO		134 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 988	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 988B	1		P115A-31 SHLD B988	78				.12 .25	NO NO		113	
B 988L			P62-18 P115A-10	125 78				.19 .12	NO NO		134 113	
B 988R			P62-19 P115A-9	125 78				.19 .12	NO NO		134 113	
B 989	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 989E			P62-10A P93-H1	125 130				.19 .11	NO NO		132 90	
B 989X			P62-10B P93-H2	125 130								
B 990	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 990E			P62-9A P70-G1	125 133				.19 .11	NO NO		132 90	
B 990X			P62-9B P70-G2	125 133								
B 991	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 991E			P62-8A P68-F1	125 129				.19 .11	NO NO		132 90	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 991X			P62-8B P68-F2	125 129								
B 992	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 992B	1		E328-B SHLD B992	175				.25 .25	NO NO			
B 992L			P62-50 P129D-20	125 174D				.19 .12	NO NO		134 113	
B 992R			P62-33 P129D-19	125 174D				.19 .12	NO NO		134 113	
B 993	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 993B	1		E328-B SHLD B993	175				.25 .25	NO NO			
B 993L			P62-32 P129D-14	125 174D				.19 .12	NO NO		134 113	
B 993R			P62-16 P129D-13	125 174D				.19 .12	NO NO		134 113	
B 995	7				4.00 4.00	3.75 3.75				B,6A B,6A	120,119 120,119	
B 995A	1		SHLD B995 P62-3	 125				.25 .19	NO NO		 134	
B 995B	1		P119A-31 SHLD B995	54				.12 .25	NO NO		138	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 995L			P62-2 P119A-28	125 54				.19 .12	NO NO		134 113	
B 995R			P62-1 P119A-27	125 54				.19 .12	NO NO		134 113	
B 996	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 996A	1		SHLD B996 P62-6	 125				.25 .19	NO NO		 134	
B 996B	1		P119A-31 SHLD B996	54				.12 .25	NO NO			
B 996L			P62-5 P119A-30	125 54				.19 .12	NO NO		134 113	
B 996R			P62-4 P119A-29	125 54				.19 .12	NO NO		134 113	
~~B 997~~	~~7~~				~~2.25~~ ~~4.00~~	~~2.00~~ ~~3.75~~				~~A,7~~ ~~B,6B~~	~~120~~ ~~120,119~~	
~~B 997B~~	~~1~~		~~P122A-31~~ ~~SHLD B997~~	~~52~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~113~~	
~~B 997L~~			~~P62-17~~ ~~P122A-2~~	~~125~~ ~~52~~				~~.19~~ ~~.12~~	~~NO~~ ~~NO~~		~~134~~ ~~113~~	
~~B 997R~~			~~P62-7~~ ~~P122A-1~~	~~125~~ ~~52~~				~~.19~~ ~~.12~~	~~NO~~ ~~NO~~		~~134~~ ~~113~~	
B 998	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 998B	1		P100A-31 SHLD B998	88				.12 .25	NO NO		113	
B 998L			P62-14 P100A-20	125 88				.19 .12	NO NO		134 113	
B 998R			P62-13 P100A-19	125 88				.19 .12	NO NO		134 113	
B 999	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 999B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 999L			P62-23 P104A-20	125 70				.19 .12	NO NO		134 113	
B 999R			P62-22 P104A-19	125 70				.19 .12	NO NO		134 113	
B 1000	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1000B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 1000L			P62-25 P104A-2	125 70				.19 .12	NO NO		134 113	
B 1000R			P62-24 P104A-1	125 70				.19 .12	NO NO		134 113	
B 1001	1		P62-26 P116C-24	125 55				.19 .12	NO NO		134 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1002	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1002B	1		P101A-31 SHLD B1002	71				.12 .25	NO NO			
B 1002L			P62-28 P101A-2	125 71				.19 .12	NO NO		134 113	
B 1002R			P62-27 P101A-1	125 71				.19 .12	NO NO		134 113	
B 1003	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1003B	1		P122A-32 SHLD B1003	52				.12 .25	NO NO		113	
B 1003L			P62-47 P122A-4	125 52				.19 .12	NO NO		134 113	
B 1003R			P62-29 P122A-3	125 52				.19 .12	NO NO		134 113	
B 1004	1		P62-30 P116D-21	125 55				.19 .12	NO NO		134 113	
B 1005	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120,128,129	
B 1005A	1		SHLD B1005 E333-B	 124				.25 .25	NO NO			
B 1005L			P62-52 J135-2	125 118			 .32	.19 .22	NO NO		134	

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SCALE - NONE

REV LTR ~~F~~ G

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WIRING HARNENESS B 2900542 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1005R			P62-35 J135-1	125 118				.19 .22	NO NO		134 130,100,101	
B 1006	1		P62-41 P116D-27	125 55				.19 .12	NO NO		134 113	
B 1007	1		P62-42 P116D-28	125 55				.19 .12	NO NO		134 113	
B 1008	1		P62-43 P116D-23	125 55				.19 .12	NO NO		134 113	
B 1009	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1009B	1		E332-B SHLD B1009	73				.25 .25	NO NO			
B 1009L			P62-45 P121A-16	125 74				.19 .12	NO NO		134 113	
B 1009R			P62-44 P121A-15	125 74				.19 .12	NO NO		134 113	
B 1010	1		P62-48 P116D-22	125 55				.19 .12	NO NO		134 113	
B 1011	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1011B	1		E337-B SHLD B1011	82				.25 .25	NO NO			
B 1011L			P92-88 P106D-8	183 80				.22 .12	NO NO		115 113	

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REV LTR ~~F~~ G

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1011R			P92-AA	183				.22	NO		115	
			P106C-7	80				.12	NO		113	
B 1012	2		P63-A	137				.22	NO		127	
			P126E-24	31				.22	NO		138	
B 1013	1		P63-C	137				.22	NO		115	
			P71-B	93				.22	NO		115	
B 1014	1		P63-V•	137				.22	NO		115	
			P71-C	93				.22	NO		115	
B 1015	1		P63-U•	137				.22	NO		115	
			P71-E	93				.22	NO		115	
B 1016	1		P63-T•	137				.22	NO		115	
			P71-F	93				.22	NO		115	
B 1017	1		P63-S•	137				.22	NO		115	
			P71-G	93				.22	NO		115	
B 1018	1		P63-R•	137				.22	NO		115	
			P71-P	93				.22	NO		115	
B 1019	1		P63-Q•	137				.22	NO		115	
			P71-R	93				.22	NO		115	
B 1020	1		P63-P•	137				.22	NO		115	
			P71-S	93				.22	NO		115	
B 1021	1		P63-N•	137				.22	NO		115	
			P71-T	93				.22	NO		115	
B 1022	1		P63-M•	137				.22	NO		115	
			P71-U	93				.22	NO		115	

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SCALE - NONE
REV LTR G
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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1023	1		P63-K•	137				.22	NO		115	
			P71-V	93				.22	NO		115	
B 1024	1		P63-J•	137				.22	NO		115	
			P71-W	93				.22	NO		115	
B 1025	1		P63-D	137				.22	NO		115	
			P71-Y	93				.22	NO		115	
B 1026	1		P63-B	137				.22	NO		115	
			P71-Z	93				.22	NO		115	
B 1027	1		P63-E	137				.22	NO		115	
			P71-A•	93				.22	NO		115	
B 1028	1		P63-F	137				.22	NO		115	
			P71-B•	93				.22	NO		115	
B 1029	1		P63-G	137				.22	NO		115	
			P71-G•	93				.22	NO		115	
B 1030	1		P63-H	137				.22	NO		115	
			P71-H•	93				.22	NO		115	
B 1031	1		P63-J	137				.22	NO		115	
			P71-I•	93				.22	NO		115	
B 1032	1		P63-K	137				.22	NO		115	
			P71-J•	93				.22	NO		115	
B 1033	1		P63-L	137				.22	NO		115	
			P71-K•	93				.22	NO		115	
B 1034	1		P63-M	137				.22	NO		115	
			P71-M•	93				.22	NO		115	

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1035	1		P63-N	137				.22	NO		115	
			P71-N•	93				.22	NO		115	
B 1036	1		P63-P	137				.22	NO		115	
			P71-R•	93				.22	NO		115	
B 1037	2		P64-S	134				.22	NO		127	
			TB7-3	223				.20	NO		74	
B 1038	2		P64-T	134				.22	NO		127	
			TB8-2	214				.20	NO		74	
B 1039	1		P64-FF	134				.22	NO		115	
			P115A-22	78				.12	NO		113	
B 1040	1		P64-CC	134				.22	NO		115	
			P115A-21	78				.12	NO		113	
B 1041	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1041B	1		E306-B	57				.25	NO			
			SHLD B1041					.25	NO			
B 1041L			P65-F•	131				.22	NO		115	
			P116A-24	58				.12	NO		113	
B 1041R			P65-F	131				.22	NO		115	
			P116A-23	58				.12	NO		113	
B 1042	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1042B	1		E334-B	56				.25	NO			
			SHLD B1042					.25	NO			

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1042L			P65-C•	131				.22	NO		115	
			P116A-28	58				.12	NO		113	
B 1042R			P65-C	131				.22	NO		115	
			P116A-27	58				.12	NO		113	
B 1043	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1043B	1		E306-B	57				.25	NO			
			SHLD B1043					.25	NO			
B 1043L			P65-G•	131				.22	NO		115	
			P116A-12	58				.12	NO		113	
B 1043R			P65-G	131				.22	NO		115	
			P116A-11	58				.12	NO		113	
B 1044	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1044B	1		E306-B	57				.25	NO			
			SHLD B1044					.25	NO			
B 1044L			P65-E•	131				.22	NO		115	
			P116A-16	58				.12	NO		113	
B 1044R			P65-E	131				.22	NO		115	
			P116A-15	58				.12	NO		113	
B 1045	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1045B	1		E306-B	57				.25	NO			
			SHLD B1045					.25	NO			

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1045L			P65-D• P116A-22	131 58				.22 .12	NO NO		115 113	
B 1045R			P65-D P116A-21	131 58				.22 .12	NO NO		115 113	
B 1046	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1046B	1		E323-B SHLD B1046	128				.25 .25	NO NO			
B 1046L			P65-N• P71-K	131 93				.22 .22	NO NO		115 115	
B 1046R			P65-N P71-J	131 93				.22 .22	NO NO		115 115	
B 1047	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1047A	1		E323-B SHLD B1047	128				.25 .25	NO NO			
B 1047B			DELETED									
B 1047L			P65-P• P71-M	131 93				.22 .22	NO NO		115 115	
B 1047R			P65-P P71-L	131 93				.22 .22	NO NO		115 115	
B 1048	1		P65-DD P71-E•	131 93				.22 .22	NO NO		115 115	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1049	1		P65-EE P71-D•	131 93				.22 .22	NO NO		115 115	
B 1050	3		P65-A E337-B	131 82				.22 .25	NO NO		115	
B 1051	3		P65-X TB1-1	131 161				.22 .20	NO NO		115 73	
B 1052	3		P65-Y TB2-1	131 158				.22 .20	NO NO		115 74	
B 1053	3		P65-Z TB3-1	131 150				.22 .20	NO NO		115 73	
B 1054	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1054B	1		E337-B SHLD B1054	82				.25 .25	NO NO			
B 1054L			P65-W• P106A-24	131 83				.22 .12	NO NO		115 113	
B 1054R			P65-V• P106A-23	131 83				.22 .12	NO NO		115 113	
B 1055	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1055B	1		E326-B SHLD B1055	66				.25 .25	NO NO			
B 1055L			P65-Y• P107A-4	131 65				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1055R			P65-X• P107A-3	131 65				.22 .12	NO NO		115 113	
B 1056	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1056B	1		E337-B SHLD B1056	82				.25 .25	NO NO			
B 1056L			P65-A• P106A-30	131 83				.22 .12	NO NO		115 113	
B 1056R			P65-Z• P106A-29	131 83				.22 .12	NO NO		115 113	
B 1057	118				4.00 .52	3.75 .23				B,68	119,124,120 120, 97, 98	
B 1057A			SHLD B1057 P65-NN	131				.25 .22	NO NO		115	
B 1057E			P65-MM P128C-1A	131 167C				.22 .11	NO NO		115 96	
B 1057X			SHLD B1057 P128C-1B	167C								
B 1058	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1058B	1		P100A-10 SHLD B1058	88				.12 .25	NO NO		113	
B 1058E			P66-B1 P100A-9	135 88				.11 .12	NO NO		90 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1058X			P66-B2 SHLD B1058	135								
B 1059	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1059B	1		P100A-16 SHLD B1059	88				.12 .25	NO NO			
B 1059E			P66-D1 P100A-15	135 88				.11 .12	NO NO		90 138	
B 1059X			P66-D2 SHLD B1059	135								
B 1060	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1060B	1		P104A-10 SHLD B1060	70				.12 .25	NO NO		113	
B 1060E			P66-A1 P104A-9	135 70				.11 .12	NO NO		90 113	
B 1060X			P66-A2 SHLD B1060	135								
B 1061	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1061B	1		P104A-22 SHLD B1061	70				.12 .25	NO NO		113	
B 1061E			P66-E1 P104A-21	135 70				.11 .12	NO NO		90 113	

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WIRING HARNENESS B 2900542 G ∅

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1061X			P66-E2 SHLD B1061	135								
B 1062	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1062B	1		P104A-24 SHLD B1062	70				.12 .25			113	
B 1062E			P66-C1 P104A-23	135 70				.11 .12	NO NO		90 113	
B 1062X			P66-C2 SHLD B1062	135								
B 1063	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1063B	1		P110A-6 SHLD B1063	63				.12 .25	NO NO		113	
B 1063E			P66-G1 P110A-5	135 63				.11 .12	NO NO		90 113	
B 1063X			P66-G2 SHLD B1063	135								
B 1064	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1064B	1		P111A-12 SHLD B1064	42				.12 .25	NO NO		113	
B 1064E			P66-F1 P111A-11	135 42				.11 .12	NO NO		90 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1064X			P66-F2 SHLD B1064	135								
B 1065	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1065E			P67-G1 P127C-1A	132 166				.11 .11	NO NO		90 96	
B 1065X			P67-G2 P127C-1B	132 166								
B 1066	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1066E			P67-H1 P127C-3A	132 166				.11 .11	NO NO		90 96	
B 1066X			P67-H2 P127C-3B	132 166								
B 1067	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1067E			P67-J1 P127C-5A	132 166				.11 .11	NO NO		90 96	
B 1067X			P67-J2 P127C-5B	132 166								
B 1068	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1068E			P68-D1 P128B-7A	129 167B				.11 .11	NO NO		90 96	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1068X			P68-D2 P128B-7B	129 167B								
B 1069	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1069E			P69-H1 P127C-2A	136 166				.11 .11	NO NO		90 96	
B 1069X			P69-H2 P127C-2B	136 166								
B 1070	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1070E			P69-J1 P127C-4A	136 166				.11 .11	NO NO		90 96	
B 1070X			P69-J2 P127C-4B	136 166								
B 1071	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1071E			P70-A1 P127C-6A	133 166				.11 .11	NO NO		90 96	
B 1071X			P70-A2 P127C-6B	133 166								
B 1072	3		P90-E P129B-32	21 174B				.20 .12	YES NO		138	
B 1073	3		P90-I P129B-32	21 174B				.20 .12	YES NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1074	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 1074A	1		SHLD B1074 E335-B	22				.25 .25	NO NO			
B 1074L			P90-F P99-N•	21 186				.20 .22	YES NO		127	
B 1074R			P90-G P99-N•	21 186				.20 .22	YES NO		127	
B 1075	2		P90-H P126F-32	21 30				.20 .22	YES NO		138	
B 1076	3		P91-Z E336-B	173 59				.22 .25	NO NO		115	
B 1077	2		P91-A P126F-23	173 30				.22 .22	NO NO		127 138	
B 1078	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1078B	1		P106D-32 SHLD B1078	80				.12 .25	NO NO		138	
B 1078L			P91-B• P106D-24	173 80				.22 .12	NO NO		115 113	
B 1078R			P91-B P106D-23	173 80				.22 .12	NO NO		115 113	
B 1079	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1079B	1		P106C-32 SHLD B1079	80				.12 .25	NO NO			
B 1079L			P91-F• P106D-30	173 80				.22 .12	NO NO		115 113	
B 1079R			P91-F P106C-29	173 80				.22 .12	NO NO		115 113	
B 1080	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1080B	1		E304-B SHLD B1080	62				.25 .25	NO NO			
B 1080L			P91-C• P107C-2	173 64				.22 .12	NO NO		115 113	
B 1080R			P91-C P107D-1	173 64				.22 .12	NO NO		115 113	
B 1081	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1081B	1		E336-B SHLD B1081	59				.25 .25	NO NO			
B 1081L			P91-H• P110C-12	173 60				.22 .12	NO NO		115 113	
B 1081R			P91-H P110C-11	173 60				.22 .12	NO NO		115 113	
B 1082	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1082B	1		E336-B SHLD B1082	59				.25 .25	NO NO			
B 1082L			P91-M• P110D-16	173 60				.22 .12	NO NO		115 113	
B 1082R			P91-M P110D-15	173 60				.22 .12	NO NO		115 113	
B 1083	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1083B	1		E336-B SHLD B1083	59				.25 .25	NO NO			
B 1083L			P91-P• P110D-18	173 60				.22 .12	NO NO		115 113	
B 1083R			P91-P P110D-17	173 60				.22 .12	NO NO		115 113	
B 1084	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1084B	1		E316-B SHLD B1084	34				.25 .25	NO NO			
B 1084L			P91-W• P117D-6	173 35				.22 .12	NO NO		115 113	
B 1084R			P91-W P117D-5	173 35				.22 .12	NO NO		115 113	
B 1085	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1085B	1		E316-B SHLD B1085	34				.25 .25	NO NO			
B 1085L			P91-V• P117C-10	173 35				.22 .12	NO NO		115 113	
B 1085R			P91-V P117C-9	173 35				.22 .12	NO NO		115 113	
B 1086	1		P92-W P99-K•	183 186				.22 .22	NO NO		115 115	
B 1087	3		P92-N• E300-B	183 43				.22 .25	NO NO		115	
B 1088	1		P92-B P106D-21	183 80				.22 .12	NO NO		115 113	
B 1089	2		P92-M• TB8-1	163 215				.22 .20	NO NO		127 74	
B 1090	1		P92-M P99-E	183 186				.22 .22	NO NO		115 113	
B 1091	1		P92-L P129D-12	183 174D				.22 .12	NO NO		115 113	
B 1092	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1092B	1		E300-B SHLD B1092	43				.25 .25	NO NO			
B 1092L			P92-CD P108D-30	183 45				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1092R			P92-CC P108D-29	183 45				.22 .12	NO NO		115 113	
B 1093	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1093B	1		E300-B SHLD B1093	43				.25 .25	NO NO			
B 1093L			P92-FF P108C-26	183 45				.22 .12	NO NO		115 113	
B 1093R			P92-EE P108D-25	183 45				.22 .12	NO NO		115 113	
B 1094	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1094B	1		E300-B SHLD B1094	43				.25 .25	NO NO			
B 1094L			P92-HH P108A-20	183 45				.22 .12	NO NO		115 113	
B 1094R			P92-GG P108A-19	183 45				.22 .12	NO NO		115 113	
B 1095	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1095B	1		E300-B SHLD B1095	43				.25 .25	NO NO			
B 1095L			P92-KK P108A-14	183 45				.22 .12	NO NO		115 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1095R			P92-JJ P108A-13	183 45				.22 .12	NO NO		115 113	
B 1096	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1096B	1		E300-8 SHLD B1096	43				.25 .25	NO NO			
B 1096L			P92-MM P108A-8	183 45				.22 .12	NO NO		115 113	
B 1096R			P92-LL P108A-7	183 45				.22 .12	NO NO		115 113	
B 1097	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1097B			P103A-10 SHLD B1097	85				.12 .25	NO NO		113	
B 1097E			P93-C1 P103A-9	130 85				.11 .12	NO NO		90 113	
B 1097X			P93-C2 SHLD B1097	130								
B 1098	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1098B			P103A-12 SHLD B1098	85				.12 .25	NO NO		113	
B 1098E			P93-C1 P103A-11	130 85				.11 .12	NO NO		90 113	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1098X			P93-D2 SHLD B1098	130								
B 1099	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1099B			P103A-6 SHLD B1099	85				.12 .25	NO NO		113	
B 1099E			P93-E1 P103A-5	130 85				.11 .12	NO NO		90 113	
B 1099X			P93-E2 SHLD B1099	130								
B 1100	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1100E			P94-A1 P128C-4A	127 167C				.11 .11	NO NO		90 96	
B 1100X			P94-A2 P128C-4B	127 167C								
B 1101	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1101E			P94-B1 P128C-5A	127 167C				.11 .11	NO NO		90 96	
B 1101X			P94-B2 P128C-5B	127 167C								
B 1102	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	

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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1102E			P94-C1 P128C-2A	127 167C				.11 .11	NO NO		90 96	
B 1102X			P94-C2 P128C-2B	127 167C								
B 1103	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1103E			P94-D1 P128C-3A	127 167C				.11 .11	NO NO		90 96	
B 1103X			P94-C2 P128C-3B	127 167C								
B 1106	2		P95-A P126E-22	89 31				.22 .22	NO NO		117 138	
B 1107	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1107B	1		P110A-31 SHLD B1107	63				.12 .25	NO NO		113	
B 1107L			P96-D• P110A-10	182 63				.22 .12	NO NO		115 113	
B 1107R			P96-E• P110A-9	182 63				.22 .12	NO NO		115 113	
B 1108	1		P96-M• P118A-11	182 75				.22 .12	NO NO		115 113	
B 1109	1		P96-N• P118A-12	182 75				.22 .12	NO NO		115 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
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WIRING HARNENESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1110	1		P98-F P108A-1	187 46				.22 .12	NO NO		115 113	
B 1111	1		P98-U• P129B-12	187 174B				.22 .12	NO NO		115 113	
B 1112	1		P99-F• TB4-2	186 225				.22 .20	NO NO		115 73	
B 1113	1		P99-S TB4-10	186 227				.22 .20	NO NO		115 73	
B 1114	1		P99-P• P122D-32	186 51				.22 .12	NO NO		115 138	
B 1115	1		P99-K P129B-3	186 174B				.22 .12	NO NO		115 113	
B 1116	1		P99-Z P130A-9	186 179A				.22 .12	NO NO		115 113	
B 1121	1		P25-NN P27-HH	195 185				.22 .22	NO NO		115 115	
B 1122	1		P31-F• P129E-23	191 23E				.22 .12	NO NO		115 113	
B 1129	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 1129E			P60-1A P128C-6A	122 167C				.19 .11	NO NO		132 96	
B 1129X			P60-1B P128C-6B	122 167C								

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1130	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 1130B	1		E332-B SHLD B1130	73				.25 .25	NO NO			
B 1130L			P62-31 P121A-20	125 74				.19 .12	NO NO		134 113	
B 1130R			P62-15 P121A-19	125 74				.19 .12	NO NO		134 113	
B 1140	1		P71-T* P118A-32	93 75				.22 .12	NO NO		115 113	
B 1141	1		P36-R P99-C	181 186				.22 .22	NO NO		115 115	
B 1142	1		P99-D P130A-1	186 179A				.22 .12	NO NO		115 113	
B 1143	1		P99-U P129B-7	186 174B				.22 .12	NO NO		115 113	
B 1144	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1144B	1		P122D-32 SHLD B1144	51				.12 .25	NO NO			
B 1144L			P99-X* P122C-6	186 51				.22 .12	NO NO		115 113	
B 1144R			P99-Y* P122C-5	186 51				.22 .12	NO NO		115 113	

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1145	1		J21-T P99-GG	2 186				.22 .22	NO NO		114 115	
B 1150	1		P92-C P105D-1	183 47				.22 .12	NO NO		115 113	
B 1156	1		P115D-29 TB5-1	77 228				.12 .20	NO NO		113 73	
B 1157	1		P116D-5 TB5-4	55 231				.12 .20	NO NO		113 73	
B 1165	1		P108D-2 TB8-8	45 208				.12 .20	NO NO		113 74	
B 1166	2		P110C-2 TB8-7	60 209				.22 .20	NO NO		138 74	
B 1167	1		P110D-20 TB8-6	60 210				.12 .20	NO NO		113 74	
B 1170	1		P114D-5 TB3-2	37 151				.12 .20	NO NO		113 73	
B 1171	1		P114D-3 TB1-2	37 162				.12 .20	NO NO		113 73	
B 1173	1		P114C-6 TB2-2	37 159				.12 .20	NO NO		113 74	
B 1174	3		P115D-27 TB7-9	77 217				.12 .20	NO NO		113 74	
B 1176	1		P115C-28 TB8-9	77 207				.12 .20	NO NO		113 74	

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1177	3		P115D-21 P130E-1	77 22E				.12 .12	NO NO		113 113	
B 1178	1		P115D-30 TB6-5	77 239				.12 .20	NO NO		113 74	
B 1180	5				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1180B	1		P116D-4 SHLD B1180	55				.12 .25	NO NO		113	
B 1180W			TB5-2 P116C-3	229 55				.20 .12	NO NO		73 113	
B 1187	3		E301-BB P108D-32	39 45				.25 .12	NO NO		 138	
B 1188	3		E302-BB P108C-32	40 45				.25 .12	NO NO			
B 1189	3		E303-BB P105D-32	16 47				.25 .12	NO NO		 138	
B 1190	3		E304-BB P107C-32	62 64				.25 .12	NO NO		 113	
B 1191	3		E305-BB P107D-31	61 64				.25 .12	NO NO		 113	
B 1192	3		E306-BB P116A-32	57 58				.25 .12	NO NO		 113	
B 1193	3		E307-BB E302-B	13 40				.25 .25	NO NO			

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WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1194	3		E308-BB P100D-32	86 87				.25 .12	NO NO		 113	
B 1195	3		E309-BB E308-B	9 86				.25 .25	NO NO			
B 1196	3		E310-BB E304-B	19 62				.25 .25	NO NO			
B 1197	3		E311-BB E312-B	11 178				.25 .25	NO NO			
B 1198	3		E312-BB P129A-31	178 174A				.25 .12	NO NO		 113	
B 1199	3		E313-BB E328-B	4 175				.25 .25	NO NO			
B 1201	3		E315-BB E316-B	172 34				.25 .25	NO NO			
B 1202	3		E316-BB P117D-31	34 35				.25 .12	NO NO		 113	
B 1204	3		E321-BB P117A-32	204 36				.25 .12	NO NO			
B 1205	3		E322-BB P129B-31	177 174B				.25 .12	NO NO		 113	
B 1206	3		E323-BB E327-B	128 81				.25 .25	NO NO			
B 1207	3		E324-BB E328-B	180 175				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
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WIRING HARNE$\check{}$SS B 2900542 G ¢

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1208	3		E325-BB P107A-31	67 65				.25 .12	NO NO		113	
B 1209	3		E326-BB P107A-32	66 65				.25 .12	NO NO		113	
B 1210	3		E327-BB P106A-31	81 83				.25 .12	NO NO		113	
B 1211	3		E328-BB P129C-31	175 174D				.25 .12	NO NO		113	
B 1212	3		E329-BB P108A-32	44 46				.25 .12	NO NO		113	
B 1213	3		E330-BB P118A-31	76 75				.25 .12	NO NO		113	
B 1214	3		E331-BB P104A-31	69 70				.25 .12	NO NO		113	
B 1215	3		E332-BB P121A-31	73 74				.25 .12	NO NO		113	
B 1216	3		E333-BB P101A-31	124 71				.25 .12	NO NO		138	
B 1217	3		E334-BB P116A-31	56 58				.25 .12	NO NO		113	
B 1218	3		E335-BB E322-B	22 177				.25 .25	NO NO			
B 1219	3		E336-BB P110C-32	59 60				.25 .12	NO NO		113	

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SIZE A

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SCALE-NONE

REV LTR ¢G

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WIRING HARNE$\check{}$SS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1220	3		E337-BB P106A-32	82 83				.25 .12	NO NO		113	
B 1221	118				.52 .52	.23 .23					120, 97, 98 120, 97, 98	
B 1221E			P128B-6A P128B-20A	167B 167B				.11 .11	NO NO		96 96	
B 1221X			P128B-6B P128B-20B	167B 167B								
B 1225	2		P71-A P126E-25	93 51				.22 [illegible] ,22	NO NO		127 138	
B 1226	2		E338-BB J19-V	8 7				.25 .22	NO NO		116	
B 1229	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 1229A	3		SHLD B1229 E338-B	8				.25 .25	NO NO			
B 1229L			J19-N P11-LL	7 250				.22 .22	NO NO		126 126	
B 1229R			J19-L P11-P•	7 250				.22 .22	NO NO		126 126	
B 1230	1		J16-AA P113A-29	20 59A				.22 .12	NO NO		114 113	
B 1231	3		E300-BB P108A-32	43 46				.25 .12	NO NO		113	

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SCALE-NONE

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WIRING HARNE$\check{}$SS B 2900542 G ¢

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1232	2		P71-S• TB8-3	93 213				.22 .25	NO NO		127 74	
B 1233	118				.38 .52	.19 .23					120,128,131 120, 97, 98	
B 1233E			J136-1 P128C-7A	29A 167C				.19 .11	NO NO		132 96	
B 1233X			J136-2 P128C-7B	29A 167C								
B 1234			DELETED									
B 1235	3		J21-W• P27-KK	2 185				.22 .22	NO NO		114 115	
B 1236	1		J25-A• P27-FF	6 185				.22 .22	NO NO		115 115	
B 1237			J25-B• P36-B	6 181				.22 .22	NO NO		115 115	
B 1238	1		J25-C• P36-C	6 181				.22 .22	NO NO		115 115	
B 1239	1		P118A-22 P36-A	75 181				.12 .22	NO NO		113 115	
B 1240	2		J30-10 TB1-1	90 164				.19 .25	NO NO		135 144	
B 1241	2		J30-12 TB2-1	90 158				.19 .25	NO NO		135 74	

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MIL 2064 4-63

WIRING HARNE$\check{}$SS B 2900542 G ¢

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1242	2		J30-11 TB3-1	90 153				.19 .25	NO NO		135 144	
B 1243	3		J19-C P130A-3	7 179				.22 .12	NO NO		114 113	
B 1244	3		J27-F P26-J	1 194				.22 .22	NO NO		114 115	
B 1245	118				.38 .52	.19 .31					128,131,120 128,129,120	
B 1245E			J29-7A P60-46A	92 122				.19 .19	NO NO		130 132	
B 1245X			J29-7B P60-46B	92 122				.19 .19	NO NO		130 132	
B 1246	3		P35-NN P130A-11	184 179				.22 .12	NO NO		115 113	
B 1247	3		J21-Y P130E-11	2 22				.22 .12	NO NO		115 113	
B 1248	3		P35-MM J21-I•	184 2				.22 .22	NO NO		115 115	
B 1249	3		P35-LL J21-Z	184 2				.22 .22	NO NO		115 115	
B 1250	3		P25-H• J17-E•	195 15				.22 .22	NO NO		115 114	
B 1251	3		P25-J• J17-F•	195 15				.22 .22	NO NO		115 114	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900542

SCALE-NONE

REV LTR ¢G

SHEET 198 OF 209

MIL 2064 4-63

WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1252	3		P25-H* J17-G*	195 15				.22 .22	NO NO		115 114	
B 1253	~~3~~		~~P25-J*~~ ~~J17-H*~~	~~195~~ ~~15~~	DELETED			~~.22~~ ~~.22~~	~~NO~~ ~~NO~~		~~115~~ ~~114~~	
B 1254	3		P25-K* J17-P*	195 15				.22 .22	NO NO		115 114	
B 1255	3		P25-P* J17-Q*	195 15				.22 .22	NO NO		115 114	
B 1256	3		P25-R* J17-R*	195 15				.22 .22	NO NO		115 114	
B 1257	3		P25-Q* J17-S*	6 15				.22 .22	NO NO		115 114	
B 1258	3		P25-S* J17-X*	6 15				.22 .22	NO NO		115 114	
B 1259	3		P25-N* J17-Y*	6 15				.22 .22	NO NO		115 114	
B 1260	3		P25-F* J17-AA	6 15				.22 .22	NO NO		115 114	
B 1261	3		P25-G* J17-BB	6 15				.22 .22	NO NO		115 114	
B 1262	3		P11-W* P130B-11	250 179				.22 .12	NO NO		114 113	
B 1263	1		P99-C P31-K	186 191				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR ~~F~~ G | SHEET 199 OF 209

MIL 2084 4-63

WIRING HARNESS B 2900542 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1264	1		P27-Y P26-T*	185 194				.22 .22	NO NO		115 115	
B 1265	3		P46-E P100A-32	117 88				.22 .12	NO NO		115 113	
B1266	118				.52 4.00	.23 3.75				A,10 B,6B	92 94 120 119 124 120	
B1266B	1 1		P119A-24 SHLD B1266	54				.12 .25	NO NO		113	
B1266E			P60-54A P119A-23	122 54				.11 .12	NO NO		90 113	
B1266X			P60-54B SHLD B1266	122								
B1267	118				.52 4.00	.23 3.75				A,10 B,6B	92 94 120 119 124 120	
B1267B	1		P119A-22 SHLD B1266	54				.12 .25	NO NO		113	
B1267E			P60-55A P119A-21	122 54				.11 .12	NO NO		90 113	
B1267X			P60-55B SHLD B1266	122								
B1268	1		J25-M* P110-A1	6 63				.22 .12	NO NO		115 113	
B1269	1		J21-S* P96-V	2 182				.22 .22	NO NO		115 115	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR E F G | SHEET 200 OF 209

MIL 2084 4-63

WIRING HARNESS B 2900542 G F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG.	INS STRIP LG.	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1270	1		J18-AA P115D-13	12 16				.22 .12	NO NO		113	
B 1271	1		P24-B* P115D-7	196 16				.22 .12	NO NO		115 113	
B 1272	1		P130E-7 P115D-8	179B 16				.12 .12	NO NO		113 113	
B 1273	1		P61-52 P122A-7	123 23				.19 .12	NO NO		134 113	
B 1274	1		J19-F* P105D-6	7 45				.12 .12	NO NO		114 113	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900542
SCALE-NONE | REV LTR G | SHEET 201 OF 209

TABLE I

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P1	A2J3	P46	A18J1	P100D	J100D
P2	A2J3	P47	A18J2	P101A	J101A
P3	A3J1	P48	A32J1	P102A	J102A
P4	A3J3	P49	A32J2	P102D	J102D
P5	A4J2	P50	A18J5	P103A	J103A
P7	A4J3	P51	A19J1	P103D	J103D
P8	A4J4	P52	A19J2	P104A	J104A
P11	A14J2	P53	A19J3	P104D	J104D
P12	A21J19	P54	A19J4	P105A	J105A
P13	A19J9	P55	A19J5	P105D	J105D
P14	A5J1	P56	A19J6	P106A	J106A
P15	A5J2	P57	A19J7	P106D	J106D
P16	A5J3	P58	A19J8	P107A	J107A
P17	A5J4	P59	A19J10	P107D	J107D
P19	A6J2	P60	A20J49	P108A	J108A
P20	A7J1	P61	A20J50	P108D	J108D
P21	A7J2	P62	A20J51	P109D	J109D
P22	A7J3	P63	A21J1	P110A	J110A
P23	A8J1	P64	A21J2	P110D	J110D
P24	A9J1	P65	A21J3	P111A	J111A
P25	A9J2	P66	A21J4	P111D	J111D
P26	A9J3	P67	A21J5	P113A	J113A
P27	A12J4	P68	A21J6	P114A	J114A
P28	A10J1	P69	A21J7	P114D	J114D
P29	A10J2	P70	A21J8	P115A	J115A
P30	A10J3	P71	A22J1	P115D	J115D
P31	A11J1	P90	A30J4	P116A	J116A
P32	A11J2	P91	A31J1	P116D	J116D
P33	A11J3	P92	A13J3	P117A	J117A
P34	A12J1	P93	A21J9	P117D	J117D
P35	A13J1	P94	A21J10	P118A	J118A
P36	A13J2	P95	A23J1	P119A	J119A
P37	A14J1	P96	A13J4	P119D	J119D
P38	A15J1	P97	A18J6	P120D	J120D
P39	A15J2	P98	A12J1	P121A	J121A
P40	A15J3	P99	A12J3	P121D	J121D
P41	A15J4	P100A	J100A	P122A	J122A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | REVISION G | NASA DRAWING NO. 2900542
SHEET 202 OF 209

TABLE I (CONTINUED)

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P122D	J122D				
P123A	J123A				
P127A	J127A				
P127B	J127B				
P127C	J127C				
P128A	J128A				
P128B	J128B				
P128C	J128C				
P129A	J129A				
P129B	J129B				
P129D	J129D				
P129E	J129E				
P129F	J129F				
P130A	J130A				
P130B	J130B				
P130C	J130C				
P130D	J130D				
P130E	J130E				
P130F	J130F				
P131	J131				
P132	J132				
P133	J133				
P134	J134				
P135	J135				
P136	J136				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	G	2900542 SHEET 203 OF 209

REVISIONS 23019

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO.		

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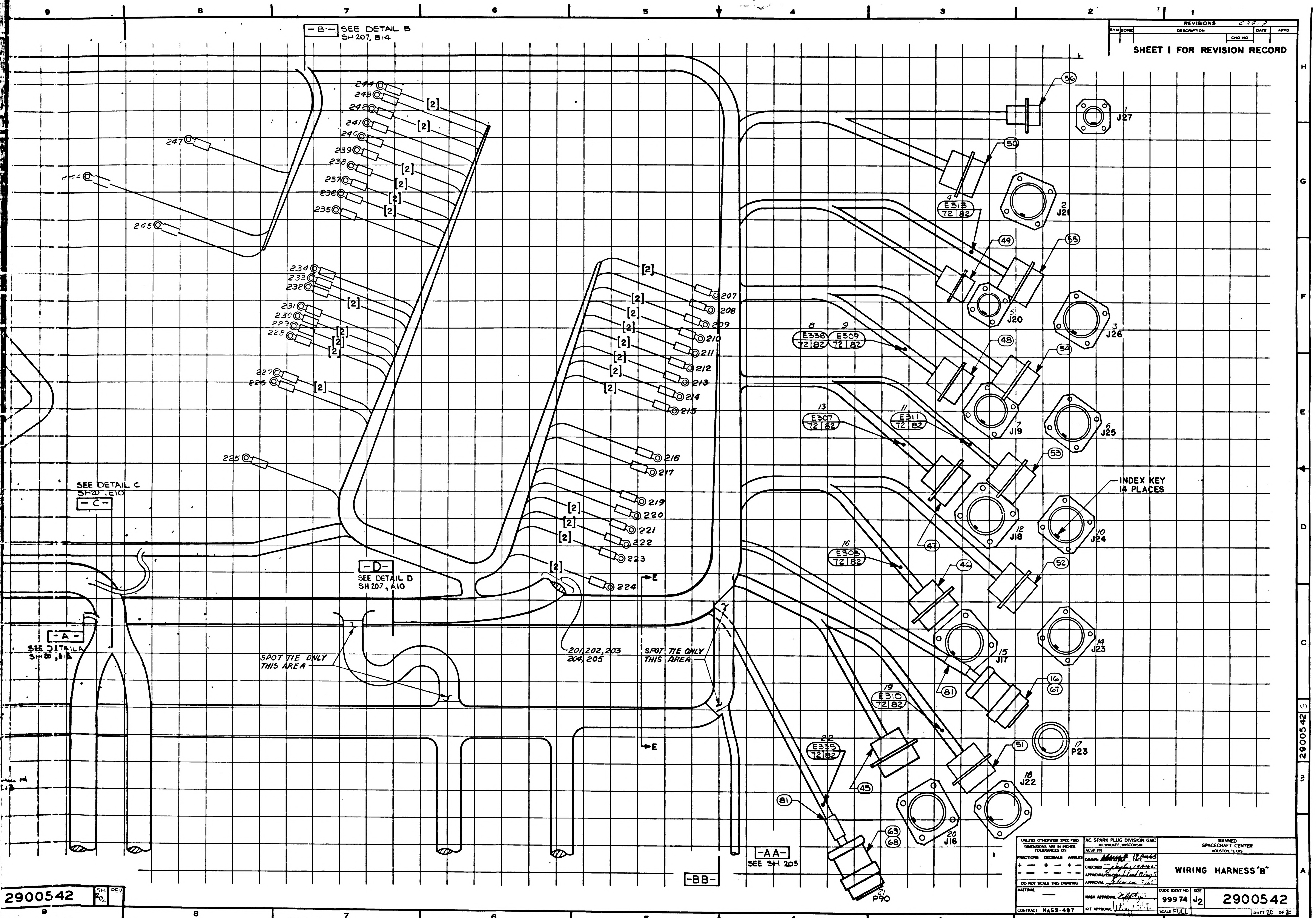
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-B- SEE DETAIL B SH 207, B14
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243
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56
1 J27
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4 E313 72 82
2 J21
49
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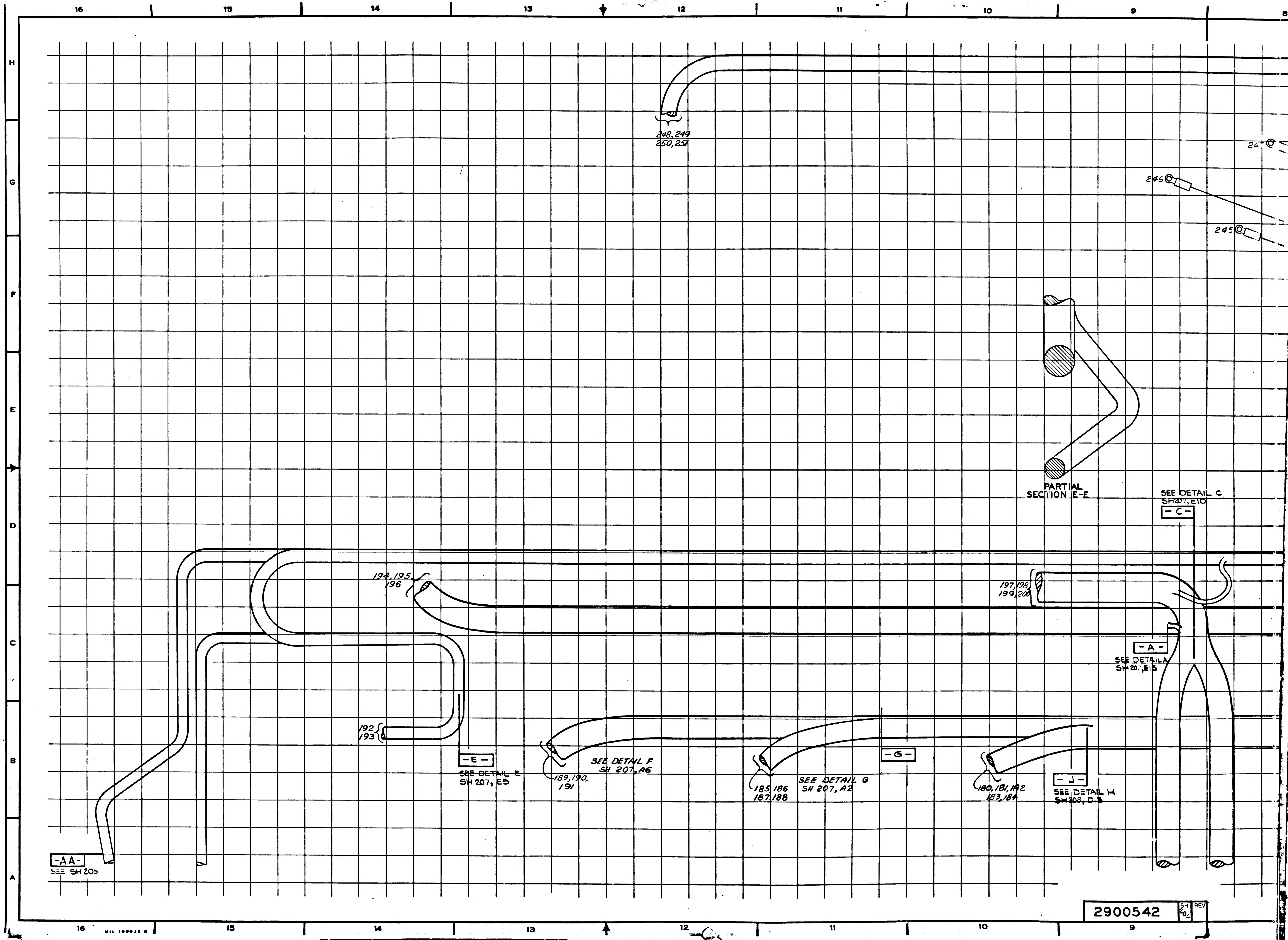
5 J20
3 J26
8 E338 72 82
9 E309 72 82
48
54
7 J19
6 J25
13 E307 72 82
11 E311 72 82
53
INDEX KEY 14 PLACES
12 J18
10 J24
47
16 E303 72 82
46
52
15 J17
14 J23
81
16 67
19 E310 72 82
51
17 P23
22 E335 72 82
45
18 J22
20 J16
63 68
21 P90
SEE DETAIL C SH20, E10
-C-
-A-
SEE DETAIL A SH 20, B13
-D- SEE DETAIL D SH 207, A10
SPOT TIE ONLY THIS AREA
201, 202, 203 204, 205
E
SPOT TIE ONLY THIS AREA
E
-AA- SEE SH 205
-BB-

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
FRACTIONS ± — DECIMALS ± — ANGLES ± —	ACSP PN		
	DRAWN [illegible] DATE 17 Aug 65	WIRING HARNESS "B"	
	CHECKED [illegible] 19 AUG 65		
	APPROVAL [illegible] 18 Aug 65		
DO NOT SCALE THIS DRAWING	APPROVAL [illegible]		
MATERIAL —	NASA APPROVAL [illegible]	CODE IDENT NO. 99974	SIZE J2 — 2900542
CONTRACT NAS9-497	MIT APPROVAL [illegible]	SCALE FULL	SHEET 20 OF 20

2900542 SH 20 REV

2900542

27 2900542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248,249
250,251
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245
PARTIAL
SECTION E-E
SEE DETAIL C
SH207, E10
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194,195
196
197,198
199,200
-A-
SEE DETAIL A
SH207, E13
192
193
-E-
SEE DETAIL E
SH 207, E5
SEE DETAIL F
SH 207, A6
189,190,
191
185,186
187,188
SEE DETAIL G
SH 207, A2
-G-
180,181,182
183,184
-J-
SEE DETAIL H
SH208, D13
-AA-
SEE SH 205
SH 204 OF 209
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2900542 SH. 204 REV

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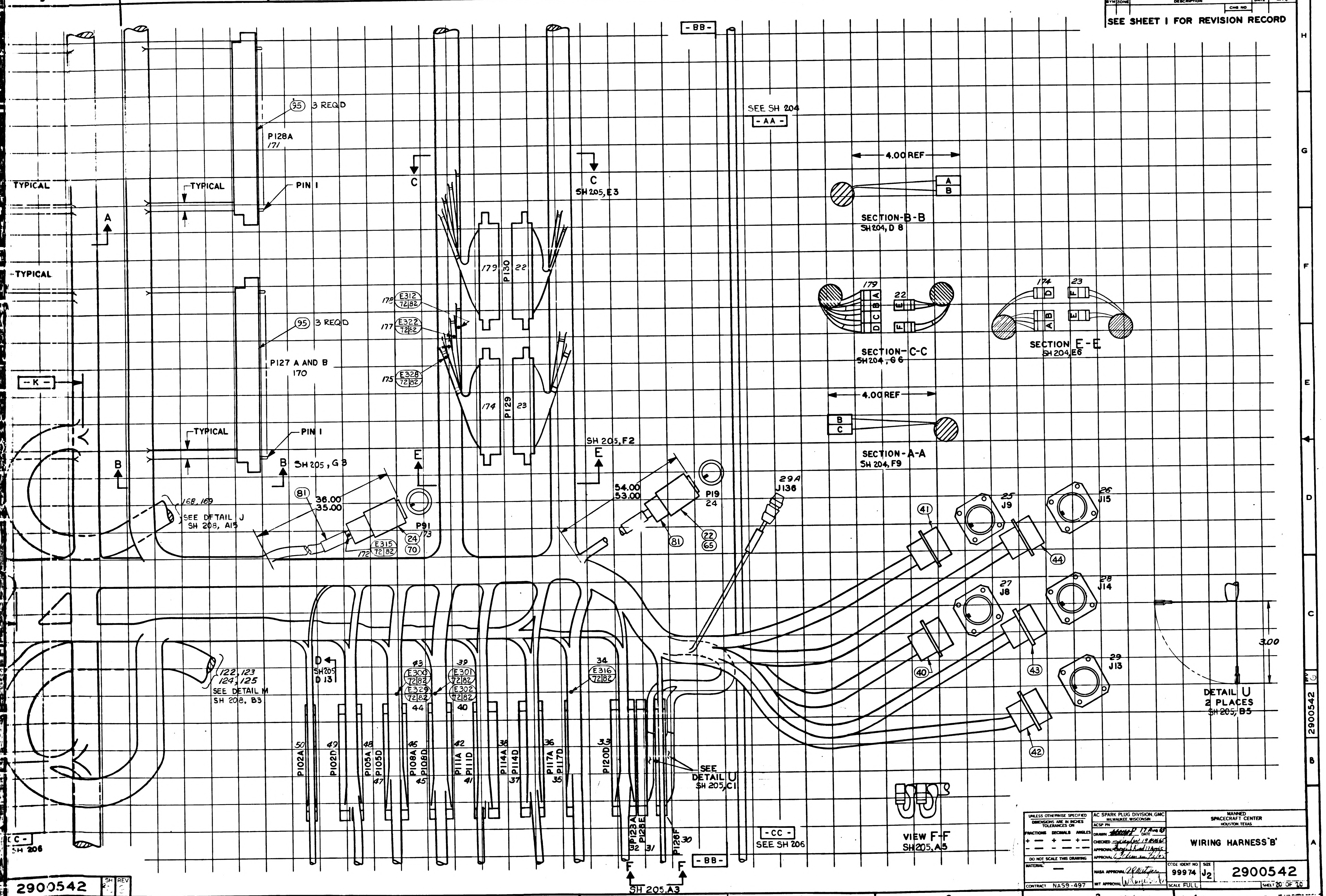
REVISIONS				
SYM ZONE	DESCRIPTION	CHG NO	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD



- BB -
SEE SH 204
- AA -
95 3 REQD
P128A
171
TYPICAL
PIN 1
A
TYPICAL
95 3 REQD
P127 A AND B
170
- K -
TYPICAL
PIN 1
B
B SH 205, G 8
C
C SH 205, E3
179 E312 72 82
177 E322 72 82
175 E328 72 82
179
P130
22
174
P129
23
E
E
SH 205, F2
168, 169
SEE DETAIL J SH 208, A15
81
36.00
35.00
E315 72 82
172
P91
173
24
70
54.00
53.00
P19
24
81
22
65
29A
J136
4.00 REF
A
B
SECTION-B-B
SH 204, D 8
179
D C B A
22
E F
SECTION-C-C
SH 204, G 6
174
D
23
F
A B
E
SECTION E-E
SH 204, E6
4.00 REF
B
C
SECTION-A-A
SH 204, F9
41
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J9
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J15
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J8
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J14
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J13
42
3.00
DETAIL U
2 PLACES
SH 205, B5
D
SH 205
D 13
122, 123
124, 125
SEE DETAIL M
SH 208, B3
43
E300 72 82
E329 72 82
44
39
E301 72 82
E302 72 82
40
34
E316 72 82
50
P102A
49
P102D
48
P105A
P105D
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P108A
P108D
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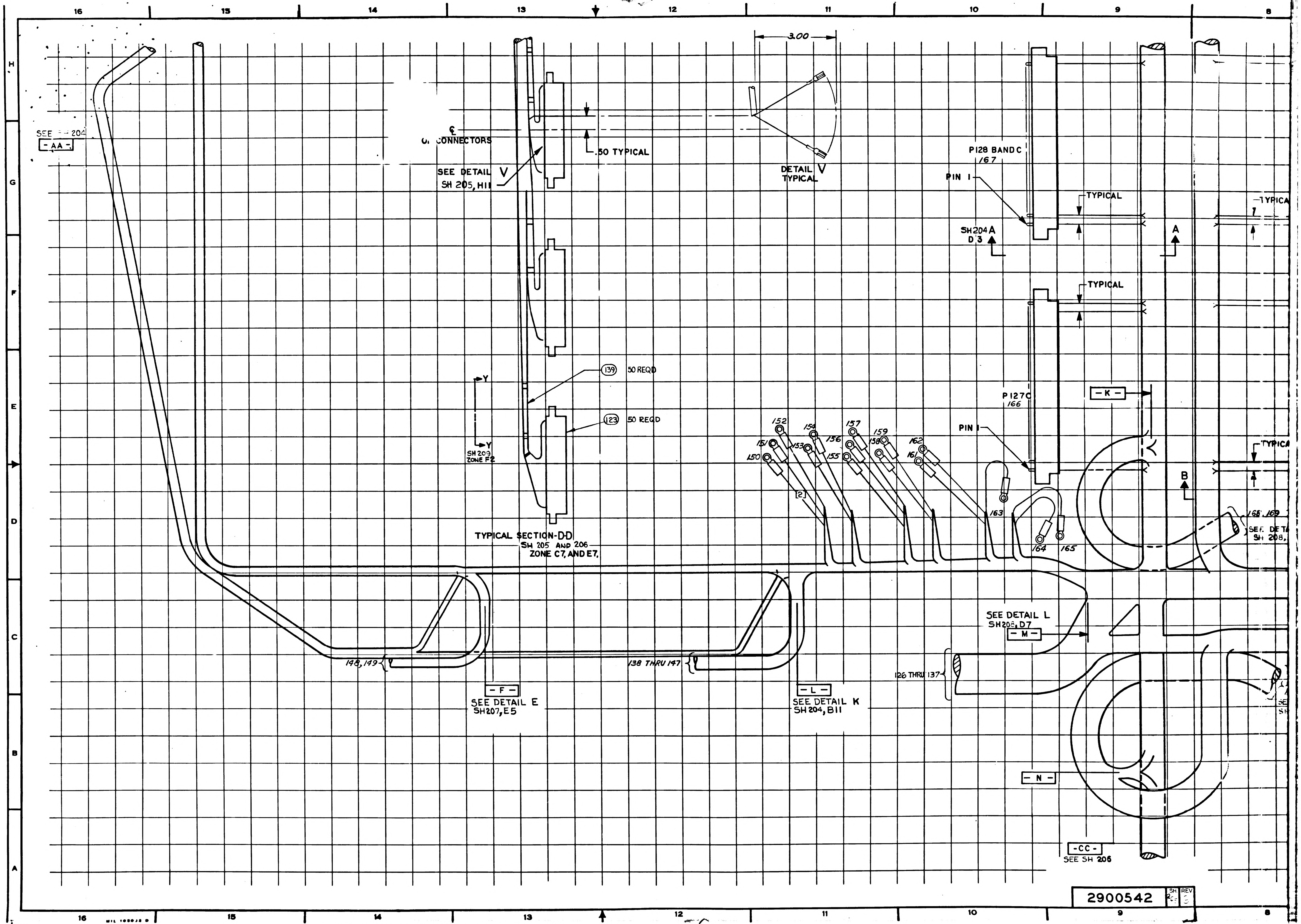
42
P111A
P111D
41
38
P114A
P114D
37
36
P117A
P117D
35
33
P120D
P123A
32
P128E
31
P128F
30
SEE DETAIL U
SH 205, C1
- CC -
SEE SH 206
VIEW F-F
SH 205, A5
- BB -
F
F
SH 205, A3
C -
SH 206

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
DO NOT SCALE THIS DRAWING	DRAWN DATE 17 Aug 65 CHECKED 19 Aug 65 APPROVAL 17 Aug 65 APPROVAL	WIRING HARNESS 'B'
MATERIAL —	NASA APPROVAL MIT APPROVAL	CODE IDENT NO. 99974 SIZE J_2 2900542
CONTRACT NAS9-497		SCALE FULL SHEET 20 OF 20

2900542 SH 20 REV

2/2900542

AC SPARK PLUG DIVISION
GENERAL MOTORS CORPORATION
MILWAUKEE, WISCONSIN
2900542
SH 205 & 206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OF CONNECTORS
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SEE DETAIL V
SH 205, H11
3.00
DETAIL V
TYPICAL
P128 BAND C
167
PIN 1
TYPICAL
SH 204 A
D 3
A
TYPICAL
139
50 REQD
123
50 REQD
Y
Y
SH 209
ZONE F2
P127C
166
PIN 1
- K -
TYPICAL
B
152
154
157
159
151
153
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158
162
150
155
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164
165
168, 169
SEE DETAIL
SH 208,
TYPICAL SECTION-DD
SH 205 AND 206
ZONE C7, AND E7.
SEE DETAIL L
SH 208, D7
- M -
148, 149
138 THRU 147
126 THRU 137
- F -
SEE DETAIL E
SH 207, E5
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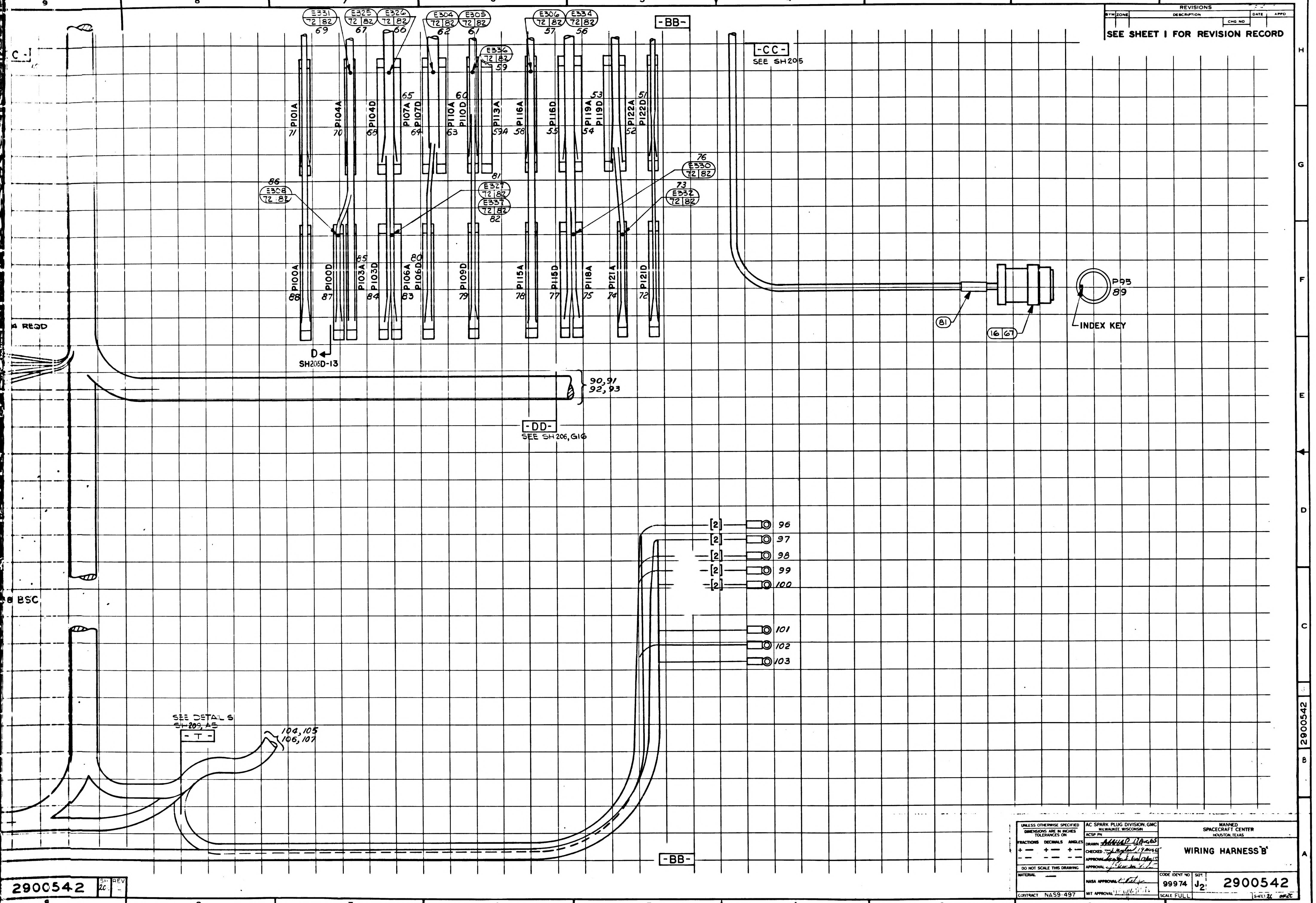
SEE SH 206
2900542
SH
REV

1/2900542



-C-
4 REQD
8 BSC
E331 72 82 69
E325 72 82 67
E326 72 82 66
E304 72 82 62
E305 72 82 61
E336 72 82 59
E306 72 82 57
E334 72 82 56
-BB-
-CC-
SEE SH205
P101A 71
P104A 70
P104D 68
P107A 65
P107D 64
P110A 60
P110D 63
P113A 59A
P116A 58
P116D 55
P119A 53
P119D 54
P122A 51
P122D 52
E308 72 82 86
E327 72 82 81
E337 72 82 82
E330 72 82 76
E332 72 82 73
P100A 88
P100D 87
P103A 85
P103D 84
P106A 80
P106D 83
P109D 79
P115A 78
P115D 77
P118A 75
P121A 74
P121D 72
D
SH205D-13
81
16 67
P95 89
INDEX KEY
90,91
92,93
-DD-
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[2] 96
[2] 97
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[2] 100
101
102
103
SEE DETAIL S
SH 209, A5
-T-
104,105
106,107
-BB-

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

REVISIONS

SEE SHEET I FOR REVISION RECORD

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 17 Aug 65 DATE
CHECKED 19 AUG 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

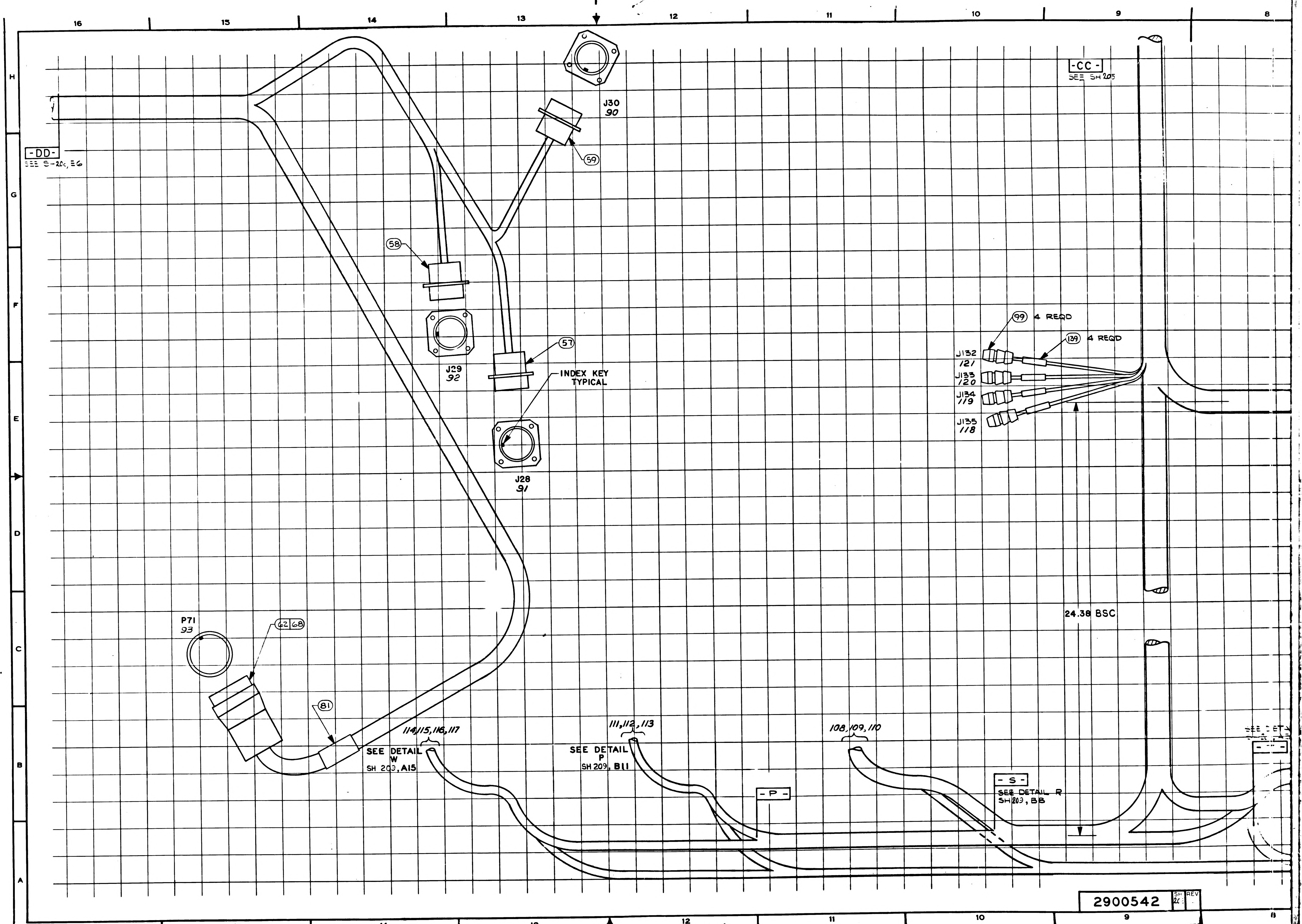
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 26 OF 26

2900542 SH 26 REV -

2/2900542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AC SPARK PLUG DIVISION
GENERAL MOTORS CORPORATION
MILWAUKEE, WISCONSIN
2900542
SH 20C OF 20
-DD-
SEE S-20c, E6
-CC-
SEE SH 205
J30
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58
J29
92
57
INDEX KEY
TYPICAL
J28
91
99 4 REQD
139 4 REQD
J132
121
J133
120
J134
119
J135
118
24.38 BSC
P71
93
62 68
81
114,115,116,117
SEE DETAIL
W
SH 209, A15
111,112,113
SEE DETAIL
P
SH 209, B11
-P-
108,109,110
-S-
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SH 203, BB
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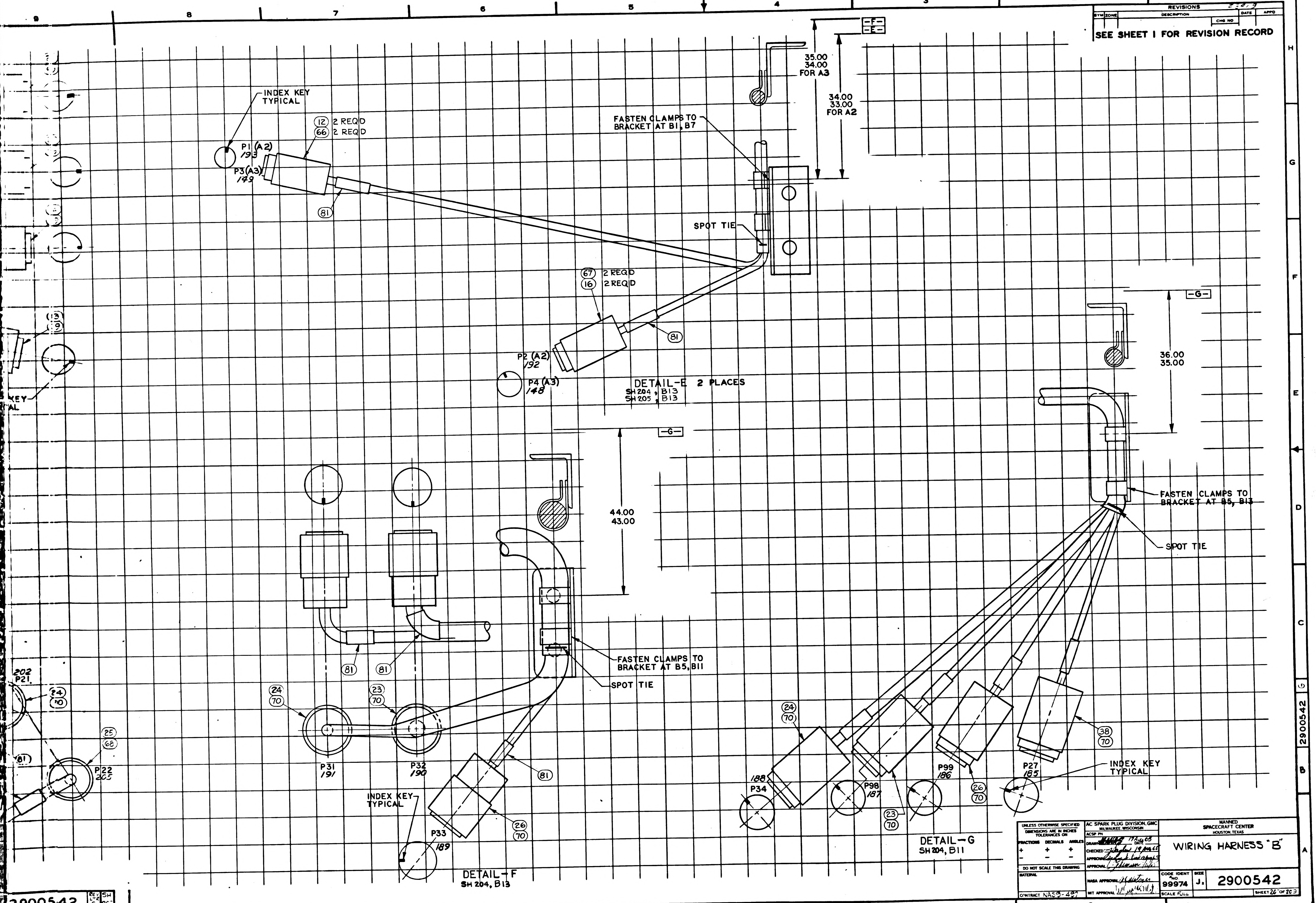
2C
REV

1/2900542

SEE SHEET 1 FOR REVISION RECORD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P3 (A3) 149
12 2 REQ'D
66 2 REQ'D
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SPOT TIE
35.00
34.00
FOR A3
34.00
33.00
FOR A2
-F-
-E-
67 2 REQ'D
16 2 REQ'D
P2 (A2) 192
P4 (A3) 148
DETAIL-E 2 PLACES
SH 204, B13
SH 205, B13
-G-
36.00
35.00
FASTEN CLAMPS TO BRACKET AT B5, B13
SPOT TIE
-G-
44.00
43.00
FASTEN CLAMPS TO BRACKET AT B5, B11
SPOT TIE
24 70
23 70
P31 191
P32 190
INDEX KEY TYPICAL
P33 189
26 70
DETAIL-F
SH 204, B13
24 70
188
P34
P98 187
23 70
P99 186
26 70
P27 185
38 70
INDEX KEY TYPICAL
DETAIL-G
SH 204, B11
202
P21
24 70
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P22 205
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REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
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DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 17 Aug 65 DATE
CHECKED 19 Aug 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

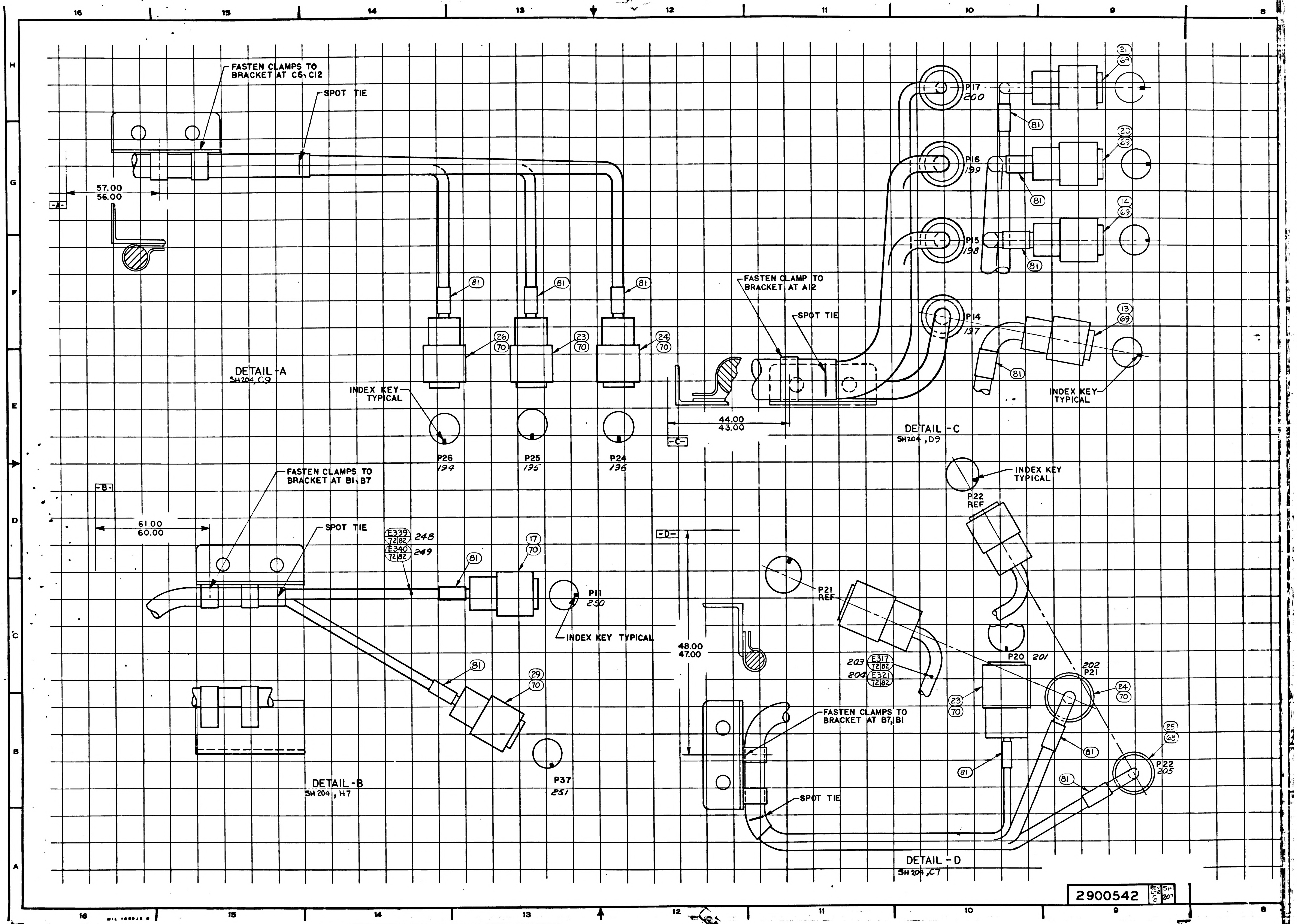
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE J₂
2900542
SCALE FULL
SHEET 26 OF 203

2900542 REV SH

2/2900542


16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
FASTEN CLAMPS TO BRACKET AT C6, C12
SPOT TIE
57.00
56.00
-A-
81
26
70
23
70
24
70
DETAIL -A
SH204, C9
INDEX KEY TYPICAL
P26
194
P25
195
P24
196
P17
200
P16
199
P15
198
P14
197
21
69
20
69
14
69
13
69
81
FASTEN CLAMP TO BRACKET AT A12
SPOT TIE
44.00
43.00
-C-
INDEX KEY TYPICAL
DETAIL -C
SH204, D9
INDEX KEY TYPICAL
P22
REF
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
-B-
61.00
60.00
E339
72 82
248
E340
72 82
249
17
70
P11
250
INDEX KEY TYPICAL
29
70
P37
251
DETAIL -B
SH 204, H7
-D-
48.00
47.00
P21
REF
203
E317
72 82
204
E321
72 82
P20
201
202
P21
24
70
23
70
25
68
P22
205
FASTEN CLAMPS TO BRACKET AT B7, B1
SPOT TIE
DETAIL - D
SH 204, C7
MIL 1000/2 B

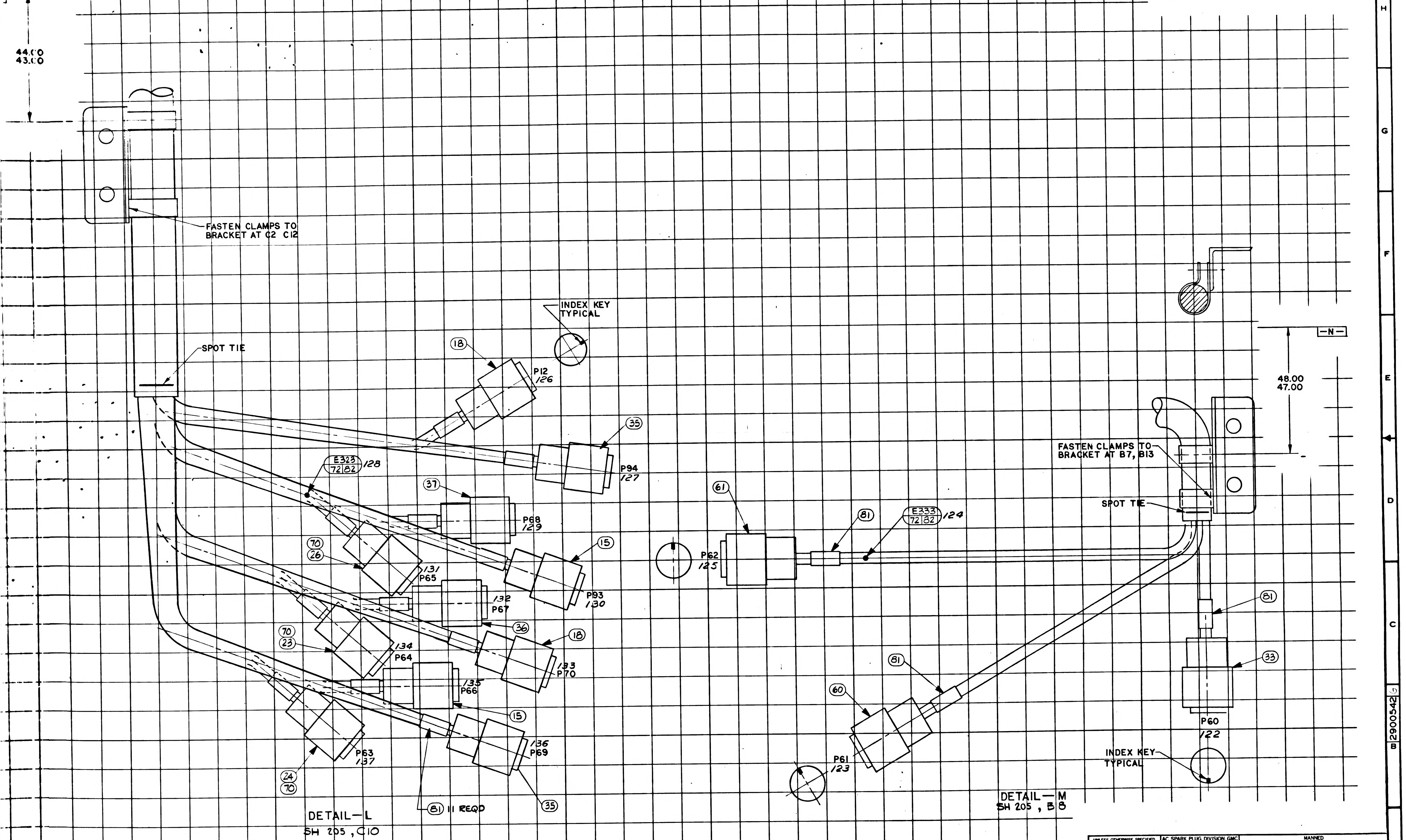
2900542 REV LTR G SH 207

1/2900542

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD

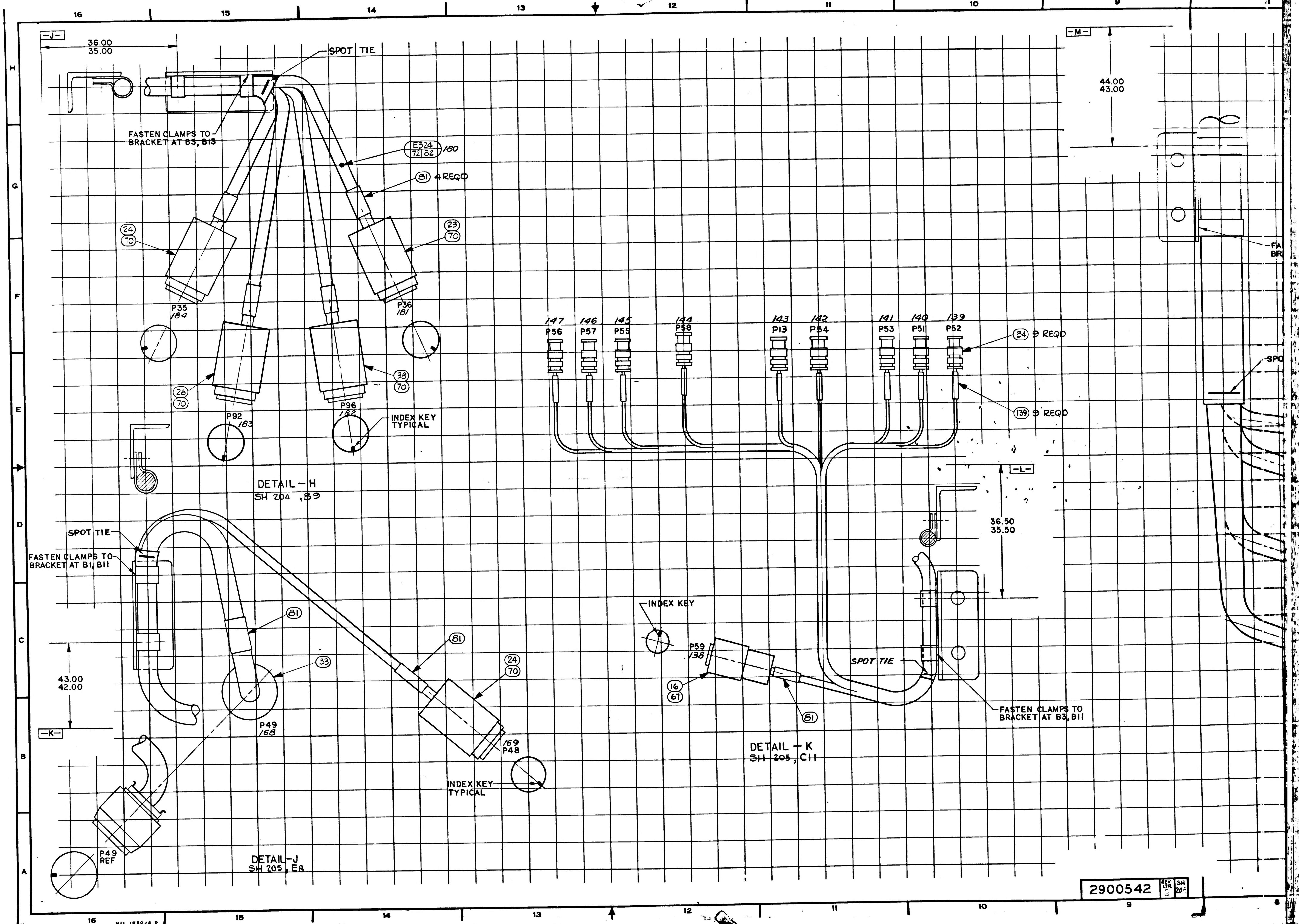


44.00
43.00
FASTEN CLAMPS TO
BRACKET AT C2 C12
SPOT TIE
INDEX KEY
TYPICAL
18
P12
126
35
P94
127
E323
72 82
128
37
P68
129
70
26
131
P65
15
P93
130
132
P67
36
70
23
134
P64
18
133
P70
135
P66
15
24
70
P63
137
136
P69
81 11 REQD
35
DETAIL—L
SH 205 , C10
61
P62
125
81
E333
72 82
124
-N-
48.00
47.00
FASTEN CLAMPS TO
BRACKET AT B7, B13
SPOT TIE
81
33
P60
122
INDEX KEY
TYPICAL
81
60
P61
123
DETAIL—M
SH 205 , B8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + - - DECIMALS + - - ANGLES + - -	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	ACSP PN		
	DRAWN MAHAC DATE 19 AUG 65 CHECKED 19 AUG 65 APPROVAL 19 Aug 65 APPROVAL	WIRING HARNESS B	
DO NOT SCALE THIS DRAWING			
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974	SIZE J2
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL	SHEET 20[illegible] OF 20[illegible]

2900542

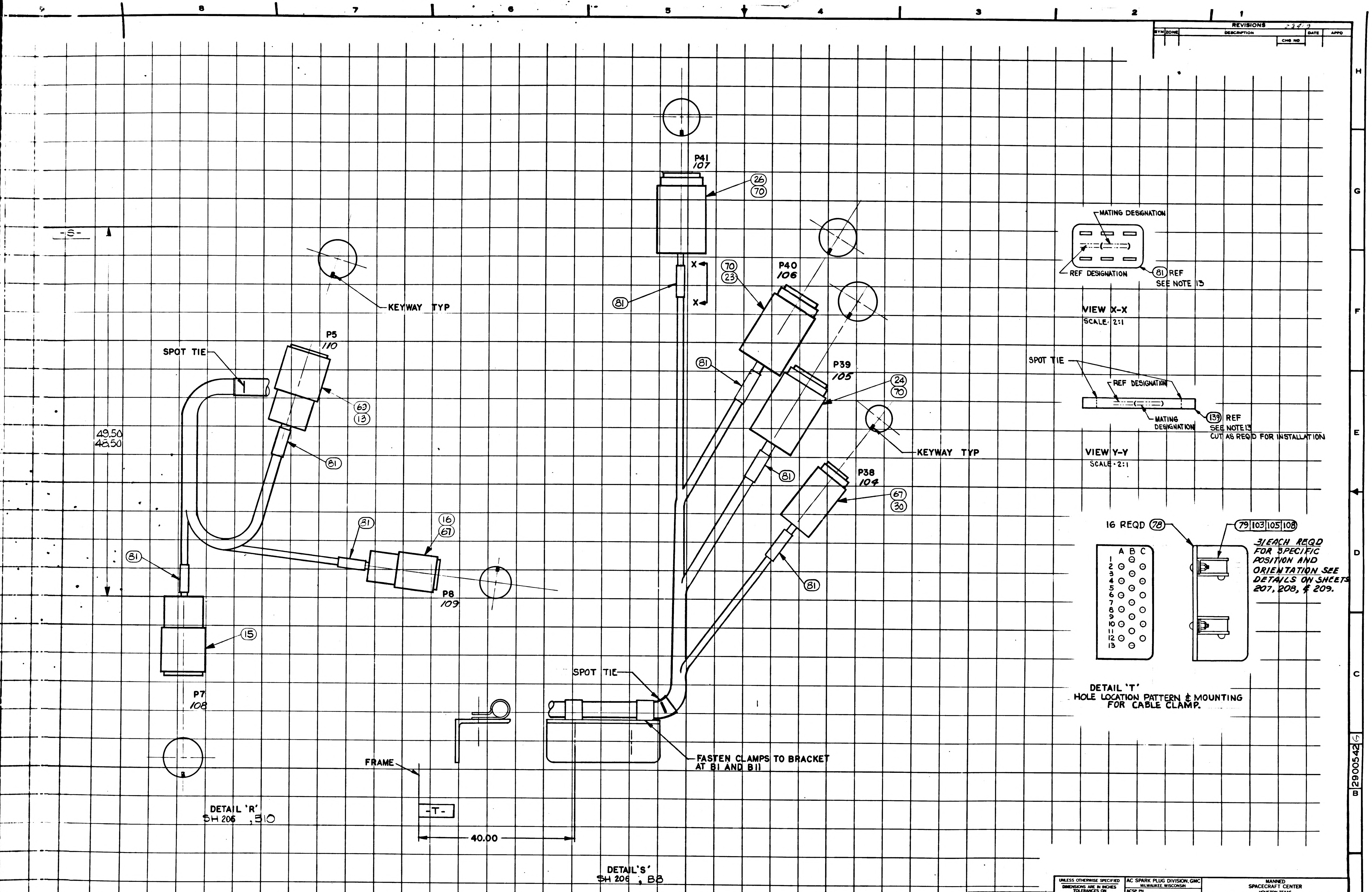
2900542	REV LTR	SH 20-



16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
-J-
36.00
35.00
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B13
E324
72 | 82
180
81 4 REQD
24
70
23
70
P35
184
P36
181
26
70
38
70
P92
183
P96
182
INDEX KEY
TYPICAL
DETAIL-H
SH 204 , B9
-M-
44.00
43.00
147
146
145
144
143
142
141
140
139
P56
P57
P55
P58
P13
P54
P53
P51
P52
34 9 REQD
139 9 REQD
-L-
36.50
35.50
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B1, B11
81
81
33
24
70
43.00
42.00
-K-
P49
168
169
P48
INDEX KEY
TYPICAL
P49
REF
DETAIL-J
SH 205, E8
INDEX KEY
P59
138
16
67
81
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B11
DETAIL - K
SH 205, C11
FA
BR
SPO
MIL 1000JS D

2900542 REV LTR C SH 20

1/2900542


REVISIONS
SYM ZONE
DESCRIPTION
CHG NO
DATE
APPD
-S-
49.50
48.50
KEYWAY TYP
SPOT TIE
P5
110
(69)
(13)
(81)
(81)
P7
108
(15)
(31)
(16)
(67)
P8
109
DETAIL 'R'
SH 206 , B10
FRAME
-T-
40.00
DETAIL 'S'
SH 206 , B8
P41
107
(26)
(70)
X
X
(81)
(70)
(23)
P40
106
(81)
P39
105
(24)
(70)
KEYWAY TYP
(81)
P38
104
(67)
(30)
(81)
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B1 AND B11
MATING DESIGNATION
REF DESIGNATION
(81) REF
SEE NOTE 13
VIEW X-X
SCALE 2:1
SPOT TIE
REF DESIGNATION
MATING DESIGNATION
(139) REF
SEE NOTE 13
CUT AS REQ'D FOR INSTALLATION
VIEW Y-Y
SCALE 2:1
16 REQD (78)
(79)(103)(105)(108)
A B C
1 2 3 4 5 6 7 8 9 10 11 12 13
31 EACH REQD
FOR SPECIFIC
POSITION AND
ORIENTATION SEE
DETAILS ON SHEETS
207, 208, & 209.
DETAIL 'T'
HOLE LOCATION PATTERN & MOUNTING
FOR CABLE CLAMP.
2900542

NEXT ASSY	USED ON
APPLICATION	

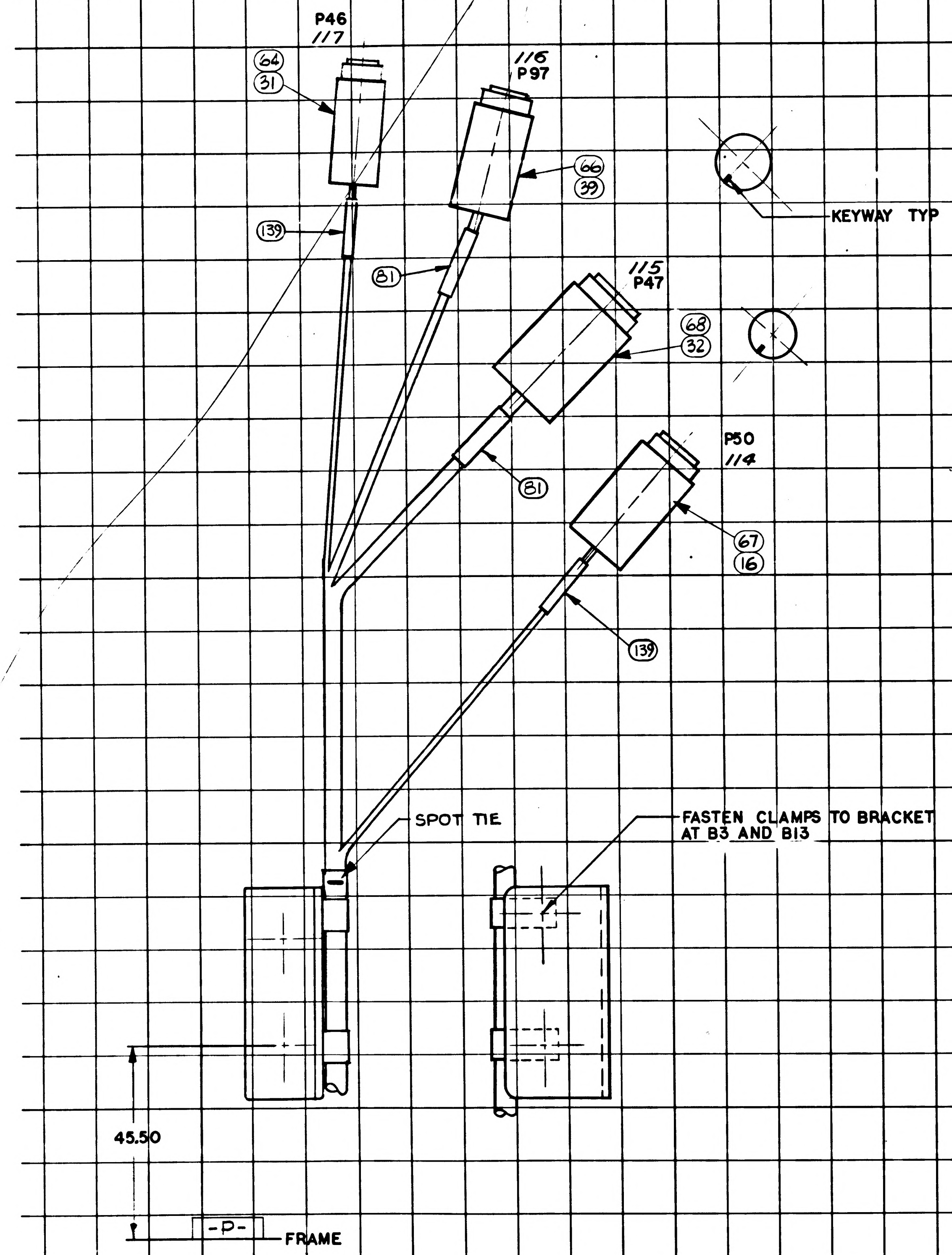
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS + − ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 17 AUG 65 DATE
CHECKED 19 AUG 65
APPROVAL 18 Aug 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

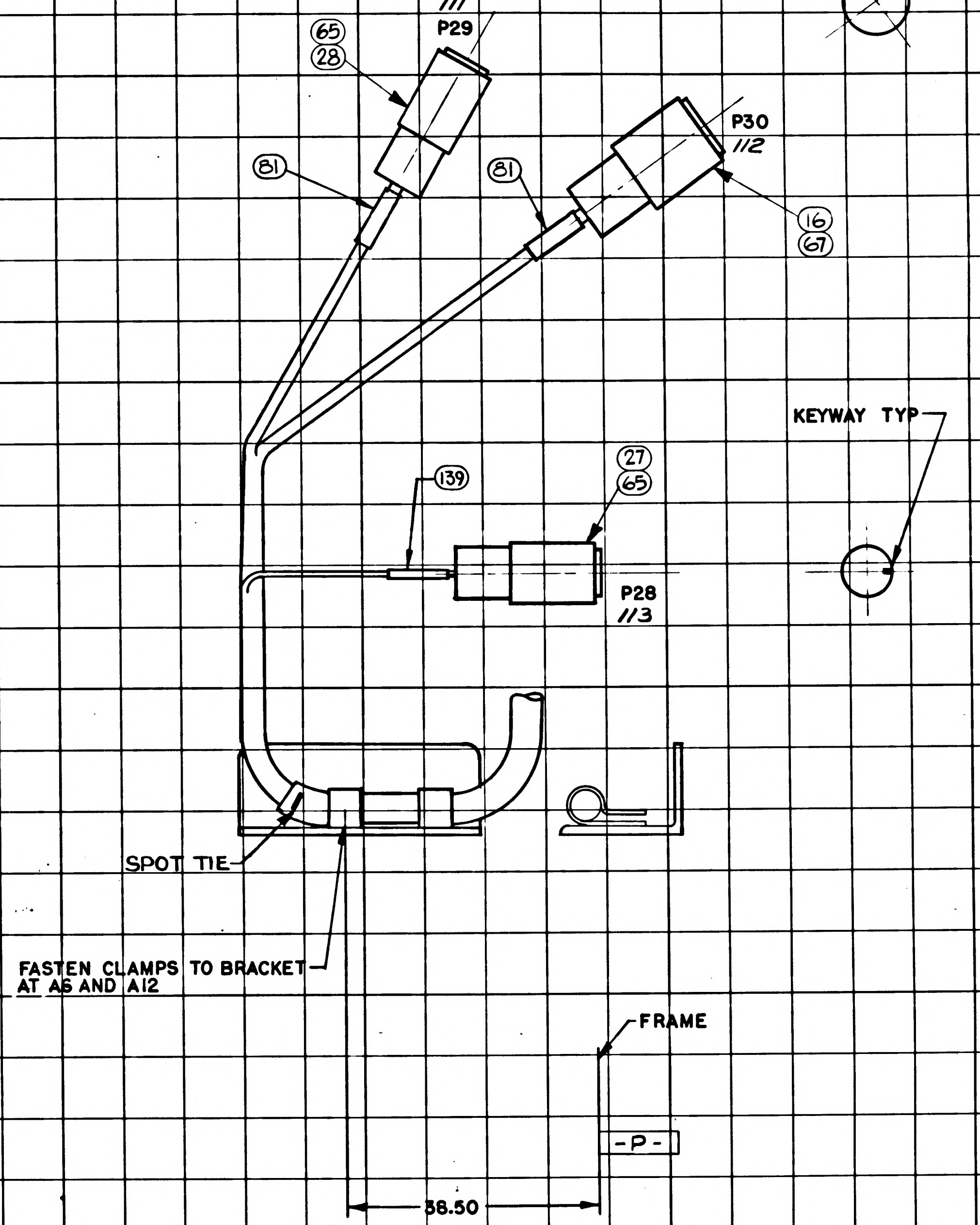
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS 'B'

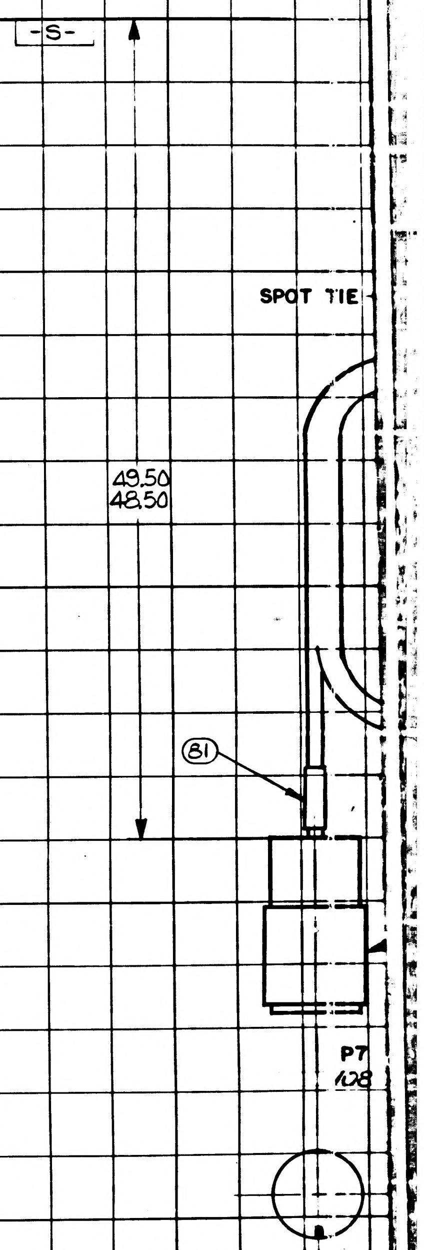
CODE IDENT NO. 99974
SIZE J2
2900542
SCALE FULL
SHEET 20 OF 26


P46
117
64
31
116
P97
66
39
139
81
115
P47
68
32
KEYWAY TYP
81
P50
114
67
16
139
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B3 AND B13
45.50
-P-
FRAME

DETAIL 'N'
SH 206 , B13


65
28
111
P29
81
81
P30
112
16
67
139
27
65
P28
113
KEYWAY TYP
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT A6 AND A12
FRAME
-P-
38.50

DETAIL 'P'
SH 206 , B12


-S-
SPOT TIE
49.50
48.50
81
P7
108

2900542 REV LTR G S-209

1/2900542

APPLICATION		REVISIONS 23419			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION (-) WITH CHANGE. WAS "D" SIZE, SH 1 OF 1.		
		B	REVISED PER MXC 204732	13SEP 65	JWP J.E.G.
		C	REVISED PER MXC 205384	28SEP 65	JWP J.E.G.
		D	REVISED PER MXC 309800	4 OCT 65	JWP J.E.G.
		E	REVISED PER MXC309801	15 OCT 65	EF
		F	REVISED PER MXC 206185	19 OCT 65	JWP W.D.
	(M)	G	INITIAL RELEASE CLASS A PER TDRR 23419		JR
		H	REVISED PER TDRR 23812	10 NOV 65	PHG MEM

REPLACES REV + WITH CHANGE

REV	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

REV STATUS	REV						H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
OF SHEETS	SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
ACSP PN				
DRAWN MAHAS DATE 29 JUL 65 CHECKED J Saylor 19 AUG 65 APPROVAL 19 Aug APPROVAL 10/20/65	WIRING HARNESS B			
NASA APPROVAL MIT APPROVAL	CODE IDENT NO. 99974	SIZE A	2900542	REV H
CONTRACT NAS 9-497	SCALE —		SHEET 1 OF 209	

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	H	81	H	117	H	153	H	189	H						
46	H	82	H	118	H	154	H	190	H						
47	H	83	H	119	H	155	H	191	H						
48	H	84	H	120	H	156	H	192	H						
49	H	85	H	121	H	157	H	193	H						
50	H	86	H	122	H	158	H	194	H						
51	H	87	H	123	H	159	H	195	H						
52	H	88	H	124	H	160	H	196	H						
53	H	89	H	125	H	161	H	197	H						
54	H	90	H	126	H	162	H	198	H						
55	H	91	H	127	H	163	H	199	H						
56	H	92	H	128	H	164	H	200	H						
57	H	93	H	129	H	165	H	201	H						
58	H	94	H	130	H	166	H	202	H						
59	H	95	H	131	H	167	H	203	H						
60	H	96	H	132	H	168	H	204	H						
61	H	97	H	133	H	169	H	205	H						
62	H	98	H	134	H	170	H	206	H						
63	H	99	H	135	H	171	H	207	H						
64	H	100	H	136	H	172	H	208	H						
65	H	101	H	137	H	173	H	209	H						
66	H	102	H	138	H	174	H								
67	H	103	H	139	H	175	H								
68	H	104	H	140	H	176	H								
69	H	105	H	141	H	177	H								
70	H	106	H	142	H	178	H								
71	H	107	H	143	H	179	H								
72	H	108	H	144	H	180	H								
73	H	109	H	145	H	181	H								
74	H	110	H	146	H	182	H								
75	H	111	H	147	H	183	H								
76	H	112	H	148	H	184	H								
77	H	113	H	149	H	185	H								
78	H	114	H	150	H	186	H								
79	H	115	H	151	H	187	H								
80	H	116	H	152	H	188	H								

	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION H	NASA DRAWING NO. 2900542 SHEET 2 OF 209

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002032 B - ND1002071
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 109.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 109.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	UNLESS OTHERWISE SPECIFIED APPLY LEAD INDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 112 OR ITEMS 110 AND 1
11	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 3 OF 209

NOTE NUMBER	GENERAL NOTES DESCRIPTION
12	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD K - BLACK, WHITE WITH LETTER K OR WHITE WITH BLACK TRACER. L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER. W - WHITE OR WHITE WITH LETTER W. X - COAX OUTER CONDUCTOR Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.
13	MARK ITEMS 81 AND 139 PER ND1002019, COLOR BLACK, .12 HIGH IN VIEW X-X AND Y-Y. MARK WITH HARNESS PLUG DESIGINATION AND MATING RECEPTACLE DESIGINATION SHOWN IN TABLE 1
14	USE ITEM 125 AS REQUIRED TO PROVIDE CLAMPING
15	UNLESS OTHERWISE SPECIFIED TUBING SHALL EXTEND A MINIMUM OF .5 INCH BEYOND CABLE CLAMPS SHOWN IN DETAILS A THRU S AND WITHIN 2 INCHS OF THEIR RESPECTIVE DATUMS
16	ON CONDUCTOR 568 MARK LEAD IDENTIFICATIONS PER ND1002019 INCLUDING SUFFIXES
17	THE FOLLOWING CONDUCTORS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER. 568K, 568L, 568R, 568Y
18	TOLERANCE FOR STRIP LENGTHS ON ITEM 118 TO BE PLUS .06, MINUS .00
19	CONNECTORS MUST HAVE A MINIMUM OF THREE CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32 TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 4 OF 209

NOTE NUMBER	GENERAL NOTES DESCRIPTION
20	USE TOLERANCE CHART UNLESS OTHERWISE SPECIFIED
21	LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 138 WHENEVER ITEMS 2,9, + 142 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .06 IN.
22	ASSEMBLE CONTACTS IN ALL SPARE CONNECTOR INSERT HOLES OF ALL MS3126 AND 3127 TYPE CONNECTORS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 5 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900542-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT
	2	1	2900542-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT
	3	1	2900542-003	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT
	4	1	2900542-004	WIRE, ND1002181, TYPE 1, CLASS 1, 18AWG, WHT
	5	1	2900542-005	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 22AWG, WHT
	6	1	2900542-006	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 20AWG, WHT
	7	1	2900542-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 24AWG, WHT/RED, WHT/BLU
	8	1	2900542-008	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 20AWG, WHT/RED, WHT/BLU
	9	1	2900542-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 16AWG, WHT/RED, WHT/BLU
	10	1	2900542-010	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 22AWG, WHT/RED, WHT/BLU
	11	1	2900542-011	WIRE, ND1002181, TYPE 1, CLASS 1, 4AWG, WHT
	12	2	MS3126F14-19S	(1897040-190) CONNECTOR PLUG, ELEC
	13	2	MS3126F22-55P	(1897045-550) CONNECTOR PLUG, ELEC
	14	1	MS3126F22-55PW	(1897045-551) CONNECTOR PLUG, ELEC
7	15	3	1015907-100	CONNECTOR PLUG, ELEC

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 6 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	8	MS3126F16-8S	(1897042-080) CONNECTOR PLUG, ELEC
	17	1	MS3126F24-61PZ	(1897047-614) CONNECTOR PLUG, ELEC
7	18	2	1015907-103	CONNECTOR PLUG, ELEC
7	19	4	1897330-001	CLAMP, CABLE, ELEC
	20	1	MS3126F22-55PX	(1897045-552) CONNECTOR PLUG, ELEC
	21	1	MS3126F22-55SY	(1897046-553) CONNECTOR PLUG, ELEC
	22	1	MS3126F12-10P	(1897038-100) CONNECTOR PLUG, ELEC
	23	7	MS3126F24-61SW	(1897048-611) CONNECTOR PLUG, ELEC
	24	9	MS3126F24-61S	(1897048-610) CONNECTOR PLUG, ELEC
	25	1	MS3126F20-16S	(1897044-160) CONNECTOR PLUG, ELEC
	26	6	MS3126F24-61SX	(1897048-612) CONNECTOR PLUG, ELEC
	27	1	MS3126F12-10SW	(1897039-101) CONNECTOR PLUG, ELEC
	28	1	MS3126F12-10S	(1897039-100) CONNECTOR PLUG, ELEC
	29	1	MS3126F24-61SZ	(1897048-614) CONNECTOR PLUG, ELEC
	30	1	MS3126F16-8SW	(1897042-081) CONNECTOR PLUG, ELEC
	31	1	MS3126F10-6S	(1897026-060) CONNECTOR PLUG, ELEC
	32	1	MS3126F20-41P	(1897043-410) CONNECTOR PLUG, ELEC
7	33	2	1897215-011	CONNECTOR PLUG, ELEC

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 7 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	9	1015922-001	CONNECTOR PLUG, ELEC
7	35	2	1015907-101	CONNECTOR PLUG, ELEC
7	36	1	1015907-102	CONNECTOR PLUG, ELEC
7	37	1	1015907-104	CONNECTOR PLUG, ELEC
	38	2	MS3126F24-61SY	(1897048-613) CONNECTOR PLUG, ELEC
	39	1	MS3126F14-19P	(1897089-190) CONNECTOR PLUG, ELEC
7	40	1	1015906-100	CONNECTOR RECEP, ELEC
7	41	1	1015906-101	CONNECTOR RECEP, ELEC
7	42	1	1015906-102	CONNECTOR RECEP, ELEC
7	43	1	1015906-103	CONNECTOR RECEP, ELEC
7	44	1	1015906-104	CONNECTOR RECEP, ELEC
	45	1	MS3127E24-61PY	(1897055-613) CONNECTOR RECEP, ELEC
	46	1	MS3127E24-61PZ	(1897055-614) CONNECTOR RECEP, ELEC
	47	1	MS3127E24-61S	(1897056-610) CONNECTOR RECEP, ELEC
	48	1	MS3127E20-41PW	(1897051-411) CONNECTOR RECEP, ELEC
	49	1	MS3127E14-15S	(1897116-150) CONNECTOR RECEP, ELEC
	50	1	MS3127E22-55PX	(1897053-552) CONNECTOR RECEP, ELEC
	51	1	MS3127E22-55PY	(1897053-553) CONNECTOR RECEP, ELEC

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 8 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	52	1	MS3127E22-55PZ	(1897053-554) CONNECTOR RECEP, ELEC
	53	1	MS3127E22-55SW	(1897054-551) CONNECTOR RECEP, ELEC
	54	1	MS3127E22-55SX	(1897054-552) CONNECTOR RECEP, ELEC
	55	1	MS3127E22-55SY	(1897054-553) CONNECTOR RECEP, ELEC
	56	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEP, ELEC
7	57	1	1897214-011	CONNECTOR RECEP, ELEC
7	58	1	1897214-012	CONNECTOR RECEP, ELEC
7	59	1	1897214-013	CONNECTOR RECEP, ELEC
7	60	1	1897215-013	CONNECTOR
7	61	1	1897215-012	CONNECTOR
	62	1	MS3126F20-41S	(1897044-410) CONNECTOR
	63	1	MS3106A18-1P	(1897084-010) CONNECTOR PLUG
7	64	1	1016282- 10	GROMMET, CONNECTOR
7	65	3	1016282- 12	GROMMET, CONNECTOR
7	66	3	1016282- 14	GROMMET, CONNECTOR
7	67	9	1016282- 16	GROMMET, CONNECTOR
7	68	4	1016282- 18	GROMMET, CONNECTOR
7	69	5	1016282- 22	GROMMET, CONNECTOR

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 9 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	70	26	1016282- 24	GROMMET, CONNECTOR
7	71	4	1897331-001	ADAPTER, CABLE CLAMP
7	72	35	1016006-003	SPLICE REDUCER
7	73	25	1015902- 45	TERMINAL LUG
7	74	72	1015902- 3	TERMINAL LUG, RING TONGUE, CRIMP
	75		1016295-012	DELETED
	76		1016295-009	DELETED
	77		1016048- 15	DELETED
	78	16	1900448- 11	CLAMP, CABLE, BRACKET ASSY
	79	31	MS21919-WDG2 THRU MS21919-WDG32	(1897073-202 THRU 1897073-224) CLAMP-LOOP TYPE, CUSHIONED (SELECTED AS REQUIRED)
7	80	9	1015905-061	CLAMP, STRAIN RELIEF
7	81	58	1016128-011	BAND, IDENTIFICATION
7	82	35	1010490-198	INSULATION-SLEEVING, ELEC
7	83	100	1010490-196	INSULATION-SLEEVING, ELEC
	84	1	2900542-018	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .50 DIA
	85	1	2900542-019	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .75 DIA
	86	1	2900542-020	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .88 DIA

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 10 OF 209

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	87	1	2900542-021	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.00 DIA
	88	1	2900542-022	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.25 DIA
	89	1	2900542-023	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.50 DIA
7	90	62	1015908- 11	PIN CONTACT
7	91	50	1015908- 41	OUTER MALE BODY
7	92	113	1015908- 51	HYRING
7	93	50	1015908- 21	SOCKET CONTACT
7	94	63	1015908- 31	OUTER FEMALE BODY
7	95	6	1897228-001	COAX CABLE HOUSING CONN.
7	96	106	1897229-001	PIN CONTACT ASSY
7	97	106	1897229-002	RETENTION SPRING
7	98	106	1897229-003	FERRULE
7	99	4	1897333-001	SPLICE, CONDUCTOR
7	100	3	1016369-712	INNER SUPPORT SLEEVE
7	101	3	1016369-713	OUTER SUPPORT SLEEVE
	102		1901464-004	DELETED
7	103	31	1006783-045	SCREW, BUTTON HEAD

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SCALE-NONE | REV LTR H | SHEET 11 OF 209

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	104		1006783-044	DELETED
	105		MS35234-69	DELETED
	106	31	AN960C10L	(1897006- 19) WASHER, FLAT
	107		MS35338-081	DELETED
	108	31	1896990-011	NUT, SELF LOCKING
	109	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO. 18)
	110	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	111	AR	MIL-F-14256	FLUX (ES2798)
	112	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
7	113	491	1897266-001	CONTACT, RECEP, ELEC
	114		MS3192A-20A	(1896855-020) CONTACT, PIN(FURNISHED WITH CONN)
	115		MS3193A-20A	(1896877-020) CONTACT, SOCKET(FURNISHED WITH CONN)
	116		MS3192-16A	(1896855-016) CONTACT, PIN(FURNISHED WITH CONN)
	117		MS3193-16A	(1896877-016) CONTACT, SOCKET(FURNISHED WITH CONN)
	118	1	2900542-012	CABLE, RF, COAXIAL, MIL-C-17 RG188/U
7	119	246	1010763-002	SLEEVE, SOLDER, ELEC
7	120	743	1010490-228	INSULATION-SLEEVING, ELEC

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SCALE-NONE | REV LTR H | SHEET 12 OF 209

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	121	16	1010763- 3	SLEEVE, SOLDER, ELEC
	122		2900542-013	DELETED
7	123	52	1897267	CONNECTOR RECEP, ELEC
7	124	20	1010490-232	INSULATION-SLEEVING, ELEC
	125	1	2900542-025	INSULATION, ELEC, MIL-I-631, TYPE F, FORM S, .62 IN. WIDE X .040 IN. THICK, GRADE A, CLASS 1 BLACK
7	126	12	1016281-180	CONTACT-PIN
7	127	35	1016281-181	CONTACT-SOCKET
7	128	96	1016369-588	HYRING
7	129	26	1016369-288	CONTACT-OUTER MALE
7	130	27	1016369-388	CONTACT-INNER FEMALE
7	131	70	1016369-488	CONTACT-OUTER FEMALE
7	132	71	1016369-188	CONTACT-INNER MALE
7	133	6	1016369-420	CONTACT-MALE NO. 20
7	134	67	1016369-421	CONTACT-FEMALE NO. 20
7	135	3	1016369-720	CONTACT-MALE NO. 16
7	136	2	1016369-721	CONTACT-FEMALE NO. 16
	137	1	2900542-014	WIRE, ND1002181, TYPE III, CLASS 1, T3, WHT, 22AWG, MARKED R,L,Y

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SCALE-NONE | REV LTR H | SHEET 13 OF 209

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	138	42	1897266-004	CONTACT, RECEPT, ELECT
7	139	66	1015864-462	INSULATION SLEEVING
	140	1	2900542-015	WIRE, ND1002181, TYPE II, CLASS 1, T2, 22AWG, WHT MARKED L,R
	141		2900542-016	DELETED
	142	1	2900542-017	WIRE, ND1002181, TYPE II, CLASS 1, T2, 16AWG, WHT MARKED L,R
	143	1	2900542-024	WIRE ND1002181 TYPE 3 CLASS 4, WHT JACKET, 20AWG WHT/RED WHT/BLU WHT/YEL
7	144	2	1897342-003	LUG, TERMINAL
	145	4	1897331-001	ADAPTER, CABLE CLAMP
	146	4	1897330-001	CLAMP STRAIN RELIEF
	147	1	1016006-002	SPLICE REDUCER

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SCALE-NONE | REV LTR H | SHEET 14 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 1E			J8-G1 P12-G1	27 126				.11 .11	NO NO		93 90	
B 1X			J8-G2 P12-G2	27 126								
B 2	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 2E			J8-J1 P12-J1	27 126				.11 .11	NO NO		93 90	
B 2X			J8-J2 P12-J2	27 126								
B 3	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 3E			J8-K1 P12-K1	27 126				.11 .11	NO NO		93 90	
B 3X			J8-K2 P12-K2	27 126								
B 4	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 4E			J8-H1 P12-H1	27 126				.11 .11	NO NO		93 90	
B 4X			J8-H2 P12-H2	27 126								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 5E			J8-A1 P127A-1A	27 170A				.11 .11	NO NO		93 96	
B 5X			J8-A2 P127A-1B	27 170A								
B 6	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 6E			J8-B1 P127A-2A	27 170A				.11 .11	NO NO		93 96	
B 6X			J8-B2 P127A-2B	27 170A								
B 7	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 7E			J8-C1 P127A-3A	27 170A				.11 .11	NO NO		93 96	
B 7X			J8-C2 P127A-3B	27 170A								
B 8	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 8E			J8-D1 P127A-4A	27 170A				.11 .11	NO NO		93 96	
B 8X			J8-D2 P127A-4B	27 170A								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 9	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 9E			J8-E1 P127A-5A	27 170A				.11 .11	NO NO		93 96	
B 9X			J8-E2 P127A-5B	27 170A								
B 10	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 10E			J8-F1 P127A-6A	27 170A				.11 .11	NO NO		93 96	
B 10X			J8-F2 P127A-6B	27 170A								
B 11	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 11B	1		P14-H SHLD B11	27				.22 .25	NO NO		114	
B 11E			J9-C1 P14-J	27 197				.11 .22	NO NO		93 114	
B 11X			J9-C2 SHLD B11	27								
B 12	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 12B	1		P14-G SHLD B12	197				.22 .25	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 12E			J9-D1 P14-F	25 197				.11 .22	NO NO		93 114	
B 12X			J9-D2 SHLD B12	25								
B 13	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 13E			J9-E1 P127A-9A	25 170A				.11 .11	NO NO		93 96	
B 13X			J9-E2 P127A-9B	25 170A								
B 14	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 14E			J9-F1 P127A-10A	25 170A				.11 .11	NO NO		93 96	
B 14X			J9-F2 P127A-10B	25 170A								
B 15	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 15E			J9-G1 P127A-11A	25 170A				.11 .11	NO NO		93 96	
B 15X			J9-G2 P127A-11B	25 170A								
B 16	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16E			J9-J1 P127A-13A	25 170A				.11 .11	NO NO		93 96	
B 16X			J9-J2 P127A-13B	25 170A								
B 17	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 17E			J9-A1 P12-A1	25 126				.11 .11	NO NO		93 90	
B 17X			J9-A2 P12-A2	25 126								
B 18	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 18E			J9-B1 P12-B1	25 126				.11 .11	NO NO		93 90	
B 18X			J9-B2 P12-B2	25 126								
B 19	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 19E			J9-K1 P127A-14A	25 170A				.11 .11	NO NO		93 96	
B 19X			J9-K2 P127A-14B	25 170A								
B 20	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20E			J9-H1 P127A-12A	25 170A				.11 .11	NO NO		93 96	
B 20X			J9-H2 P127A-12B	25 170A								
B 21	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 21B	1		P14-C* SHLD B21	197				.22 .25	NO NO		114	
B 21E			J13-A1 P14-D*	29 197				.11 .22	NO NO		93 114	
B 21X			J13-A2 SHLD B21	29								
B 22	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 22E			J13-E1 P127A-17A	29 170A				.11 .11	NO NO		93 96	
B 22X			J13-E2 P127A-17B	29 170A								
B 23	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 23E			J13-F1 P127A-18A	29 170A				.11 .11	NO NO		93 96	
B 23X			J13-F2 P127A-18B	29 170A								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 24	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 24E			J13-G1 P127A-19A	29 170A				.11 .11	NO NO		93 96	
B 24X			J13-G2 P127A-19B	29 170A								
B 25	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 25E			J13-J1 P127A-21A	29 170A				.11 .11	NO NO		93 96	
B 25X			J13-J2 P127A-21B	29 170A								
B 26	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 26E			J13-K1 P127A-24A	29 170A				.11 .11	NO NO		93 96	
B 26X			J13-K2 P127A-24B	29 170A								
B 27	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 27E			J13-H1 P127A-20A	29 170A				.11 .11	NO NO		93 96	
B 27X			J13-H2 P127A-20B	29 170A								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 28	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 28B	1		P26-P* SHLD B28	194				.22 .25	NO NO		115	
B 28E			J13-B1 P26-N*	29 194				.11 .22	NO NO		93 115	
B 28X			J13-B2 SHLD B28	29								
B 29	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 29B	1		P25-V* SHLD B29	195				.22 .25	NO NO		115	
B 29E			J13-D1 P25-U*	29 195				.11 .22	NO NO		93 115	
B 29X			J13-D2 SHLD B29	29								
B 30	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 30B	1		P25-Z* SHLD B30	195				.22 .25	NO NO		115	
B 30E			J13-C1 P25-Y*	29 195				.11 .22	NO NO		93 115	
B 30X			J13-C2 SHLD B30	29								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 31B	1		P26-PP SHLD B31	 194				.22 .25	NO NO		115	
B 31E			J14-K1 P26-NN	28 194				.11 .22	NO NO		93 115	
B 31X			J14-K2 SHLD B31	28								
B 32	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 32B	1		P15-Y SHLD B32	198				.22 .25	NO NO		114	
B 32E			J14-A1 P15-Z	28 198				.11 .22	NO NO		93 114	
B 32X			J14-A2 SHLD B32	28								
B 33	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 33E			J14-B1 P128A-1A	28 171				.11 .11	NO NO		93 96	
B 33X			J14-B2 P128A-1B	28 171								
B 34	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34E			J14-C1 P128A-2A	28 171				.11 .11	NO NO		93 96	
B 34X			J14-C2 P128A-2B	28 171								
B 35	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 35E			J14-D1 P128A-3A	28 171				.11 .11	NO NO		93 96	
B 35X			J14-D2 P128A-3B	28 171								
B 36	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 36E			J14-E1 P128A-4A	28 171				.11 .11	NO NO		93 96	
B 36X			J14-E2 P128A-4B	28 171								
B 37	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	
B 37E			J14-F1 P128A-5A	28 171				.11 .11	NO NO		93 96	
B 37X			J14-F2 P128A-5B	28 171								
B 38	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 38E			J15-A1 P128A-8A	26 171				.11 .11	NO NO		93 96	
B 38X			J15-A2 P128A-8B	26 171								
B 39	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 39B	1		P14-V SHLD B39	197				.22 .25	NO NO		114	
B 39E			J15-B1 P14-U	26 197				.11 .22	NO NO		93 114	
B 39X			J15-B2 SHLD B39	26								
B 40	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 40E			J15-G1 P128A-10A	26 171				.11 .11	NO NO		93 96	
B 40X			J15-G2 P128A-10B	26 171								
B 41	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 41E			J15-J1 P128A-12A	26 171				.11 .11	NO NO		93 96	
B 41X			J15-J2 P128A-12B	26 171								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 42E			J15-K1 P128A-13A	26 171				.11 .11	NO NO		93 96	
B 42X			J15-K2 P128A-13B	26 171								
B 43	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 43E			J15-H1 P128A-11A	26 171				.11 .11	NO NO		93 96	
B 43X			J15-H2 P128A-11B	26 171								
B 44	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 44E			J15-C1 P128A-9A	26 171				.11 .11	NO NO		93 96	
B 44X			J15-C2 P128A-9B	26 171								
B 45	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 45B	1		P14-H* SHLD B45	197				.22 .25	NO NO		114	
B 45E			J15-D1 P14-I*	26 197				.11 .22	NO NO		93 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45X			J15-D2 SHLD B45	26								
B 46	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 46B	1		P14-K SHLD B46	197				.22 .25	NO NO		114	
B 46E			J15-E1 P14-L	26 197				.11 .22	NO NO		93 114	
B 46X			J15-F2 SHLD B46	26								
B 47	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 47B	1		P14-Y SHLD B47	197				.22 .25	NO NO		114	
B 47E			J15-F1 P14-Z	26 197				.11 .22	NO NO		93 114	
B 47X			J15-F2 SHLD B47	26								
B 48	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 48B	1		P104D-31 SHLD B48	68				.12 .25	NO NO		113	
B 48L			J16-H* P104D-12	20 68				.22 .12	NO NO		114 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48R			J16-G* P104D-11	20 68				.22 .12	NO NO		114 113	
B 49	1		J16-HH P92-Y*	20 183				.22 .22	NO NO		114 115	
B 50	1		J16-D* P98-GG	20 187				.22 .22	NO NO		114 115	
B 51	1		J16-E* P98-HH	20 187				.22 .22	NO NO		114 115	
B 52	1		J16-F* P98-FF	20 187				.22 .22	NO NO		114 115	
B 53	1		J16-CC P92-V*	20 183				.22 .22	NO NO		114 115	
B 54	1		J16-BB P92-W*	20 183				.22 .22	NO NO		114 115	
B 55	1		J16-FF P92-U*	20 183				.22 .22	NO NO		114 115	
B 56	1		J16-EE P92-T*	20 183				.22 .22	NO NO		114 115	
B 57	1		J16-X* P92-S*	20 183				.22 .22	NO NO		114 115	
B 58	1		J16-Y* P92-R*	20 183				.22 .22	NO NO		114 115	
B 59	1		J16-LL P99-JJ	20 186				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 60	1		J16-MM P99-MM	20 186				.22 .22	NO NO		114 115	
B 61	1		J16-PP P99-LL	20 186				.22 .22	NO NO		114 115	
B 62	1		J16-NN P99-KK	20 186				.22 .22	NO NO		114 115	
B 63	1		J16-B E301-B	20 39				.22 .25	NO NO		114	
B 64	1		J16-M P26-Y	20 194				.22 .22	NO NO		114 115	
B 65	1		J16-A P26-V*	20 194				.22 .22	NO NO		114 115	
B 66	1		J16-R P26-KK	20 194				.22 .22	NO NO		114 115	
B 67	1		J16-N P92-X*	20 194				.22 .22	NO NO		114 115	
B 68	1		J16-P P96-MM	20 182				.22 .22	NO NO		114 115	
B 69	1		J16-Z* P96-HH	20 182				.22 .22	NO NO		114 115	
B 70	1		J16-DD P96-FF	20 182				.22 .22	NO NO		114 115	
B 71	1		J16-GG P96-GG	20 182				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	1		J16-JJ P96-JJ	20 182				.22 .22	NO NO		114 115	
B 73	1		J16-KK P96-KK	20 182				.22 .22	NO NO		114 115	
B 74	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 74B	1		E301-B SHLD B74	39				.25 .25	NO NO			
B 74L			J16-N* P108D-12	20 45				.22 .12	NO NO		114 113	
B 74R			J16-M* P108D-11	20 45				.22 .12	NO NO		114 113	
B 75	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 75B	1		E301-B SHLD B75	39				.25 .25	NO NO			
B 75L			J16-J* P108D-16	20 45				.22 .12	NO NO		114 113	
B 75R			J16-K* P108D-15	20 45				.22 .12	NO NO		114 113	
B 76	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 76B	1		E301-B SHLD B76	39				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 76L			J16-S* P108D-18	20 45				.22 .12	NO NO		114 113	
B 76R			J16-R* P108D-17	20 45				.22 .12	NO NO		114 113	
B 77	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 77B	1		E301-B SHLD B77	39				.25 .25	NO NO			
B 77L			J16-Q* P108D-22	20 45				.22 .12	NO NO		114 113	
B 77R			J16-P* P108D-21	20 45				.22 .12	NO NO		114 113	
B 78	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 78B	1		E301-B SHLD B78	39				.25 .25	NO NO			
B 78L			J16-W* P108D-24	20 45				.22 .12	NO NO		114 113	
B 78R			J16-V* P108D-23	20 45				.22 .12	NO NO		114 113	
B 79	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 79B	1		E301-B SHLD B79	39				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 79L			J16-U* P108D-28	20 45				.22 .12	NO NO		114 113	
B 79R			J16-T* P108D-27	20 45				.22 .12	NO NO		114 113	
B 80	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 80A	1		SHLD B80 E303-B	 16				.25 .25	NO NO			
B 80L			J17-HH P21-K*	15 202				.22 .22	NO NO		114 115	
B 80R			J17-GG P21-J*	15 202				.22 .22	NO NO		114 115	
B 81	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 81A	1		SHLD B81 E303-B	 16				.25 .25	NO NO			
B 81L			J17-KK P21-I*	15 202				.22 .22	NO NO		114 115	
B 81R			J17-JJ P21-H*	15 202				.22 .22	NO NO		114 115	
B 82	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 82B	1		P117D-32 SHLD B82	35				.12 .25	NO NO		113 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 82L			J17-FF P117D-16	15 35				.22 .12	NO NO		114 113	
B 82R			J17-EE P117D-15	15 35				.22 .12	NO NO		114 113	
B 83	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 83B	1		E306-B SHLD B83	57				.25 .25	NO NO			
B 83L			J17-DD P116A-10	15 58				.22 .12	NO NO		114 113	
B 83R			J17-CC P116A-9	15 58				.22 .12	NO NO		114 113	
B 84	1		J17-B E303-B	15 57				.22 .25	NO NO		114	
B 85	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 85B	1		E303-B SHLD B85	57				.25 .25	NO NO			
B 85L			J17-L P35-H*	15 184				.22 .22	NO NO		114 115	
B 85R			J17-K P35-I*	15 184				.22 .22	NO NO		114 115	
B 86	1		J17-D P26-Q*	15 194				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 87	1		J17-E P25-X*	15 195				.22 .22	NO NO		114 115	
B 88	1		J17-F P25-W*	15 195				.22 .22	NO NO		114 115	
B 89	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 89B	1		E304-B SHLD B89	62				.25 .25	NO NO			
B 89L			J17-B* P107D-28	15 64				.22 .12	NO NO		114 113	
B 89R			J17-A* P107D-27	15 64				.22 .12	NO NO		114 113	
B 90	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 90B	1		E304-B SHLD B90	62				.25 .25	NO NO			
B 90L			J17-C* P107D-29	15 64				.22 .12	NO NO		114 113	
B 90R			J17-D* P107D-30	15 64				.22 .12	NO NO		114 113	
B 91	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 91B	1		E302-B SHLD B91	40				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 91L			J17-K* P108D-4	15 45				.22 .12	NO NO		114 113	
B 91R			J17-J* P108D-3	15 45				.22 .12	NO NO		114 113	
B 92	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 92B	1		E302-B SHLD B92	40				.25 .25	NO NO			
B 92L			J17-N* P108D-6	15 45				.22 .12	NO NO		114 113	
B 92R			J17-M* P108D-5	15 45				.22 .12	NO NO		114 113	
B 93	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 93B	1		E302-B SHLD B93	40				.25 .25	NO NO			
B 93L			J17-U* P108D-10	15 45				.22 .12	NO NO		114 113	
B 93R			J17-T* P108D-9	15 45				.22 .12	NO NO		114 113	
B 94	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 94B	1		P105D-32 SHLD B94	47				.12 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 94L			J17-W* P105D-28	15 47				.22 .12	NO NO		114 113	
B 94R			J17-V* P105D-27	15 47				.22 .12	NO NO		114 113	
B 95	1		J18-FF P21-K*	12 202				.22 .22	NO NO		115 115	
B 96	1		J18-GG P21-M*	12 202				.22 .22	NO NO		115 115	
B 97	1		J18-N* P92-B*	12 183				.22 .22	NO NO		115 115	
B 98	1		J18-M* P92-A*	12 183				.22 .22	NO NO		115 115	
B 99	1		J18-K* P92-Y	12 183				.22 .22	NO NO		115 115	
B 100	1		J18-KK P36-Z	12 181				.22 .22	NO NO		115 115	
B 101	1		J18-H* P108D-1	12 45				.22 .12	NO NO		115 113	
B 102	1		J18-G* P98-E	12 187				.22 .22	NO NO		115 115	
B 103	1		J18-Q* P31-G	12 191				.22 .22	NO NO		115 115	
B 104	1		J18-U* P31-H	12 191				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 105	1		J18-X* P31-N	12 191				.22 .22	NO NO		115 115	
B 106	1		J18-S* P31-CC	12 191				.22 .22	NO NO		115 115	
B 107	1		J18-R* P31-EE	12 191				.22 .22	NO NO		115 115	
B 108	1		J18-W* P31-AA	12 191				.22 .22	NO NO		115 115	
B 109	1		J18-V* P31-Z*	12 191				.22 .22	NO NO		115 115	
B 110	1		J18-Z* P31-T*	12 191				.22 .22	NO NO		115 115	
B 111	1		J18-Y* P31-Y*	12 191				.22 .22	NO NO		115 115	
B 112	1		J18-J* P92-Z	12 183				.22 .22	NO NO		115 115	
B 113	1		J18-CC P130E-9	12 228				.22 .12	NO NO		115 113	
B 114	3		J18-B E307-B	12 13				.22 .25	NO NO		115	
B 115	3		J18-C TB7-1	12 224				.22 .20	NO NO		115 74	
B 116	1		J18-D P96-NN	12 182				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 117	1		J18-E P96-PP	12 182				.22 .22	NO NO		115 115	
B 118	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 118A	1		SHLD B118 E307-B	 13				.25 .25	NO NO			
B 118L			J18-G P35-V*	12 184				.22 .22	NO NO		115 115	
B 118R			J18-F P35-U*	12 184				.22 .22	NO NO		115 115	
B 119	1		J18-U P31-F	12 191				.22 .22	NO NO		115 115	
B 120	1		J18-V P33-Z	12 189				.22 .22	NO NO		115 115	
B 121	1		J18-W P31-FF	12 191				.22 .22	NO NO		115 115	
B 122	1		J18-X P27-Z	12 185				.22 .22	NO NO		115 115	
B 123	1		J18-AA P25-EE	12 195				.22 .22	NO NO		115 115	
B 124	1		J18-BB P25-PP	12 195				.22 .22	NO NO		115 115	
B 125	1		J18-DD P102D-1	12 49				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 126	1		J18-EE P26-JJ	12 194				.22 .22	NO NO		115 115	
B 127	1		J18-NN P24-N*	12 196				.22 .22	NO NO		115 115	
B 128	1		J19-T P11-A	7 250				.22 .22	NO NO		114 114	
B 129	1		J19-P* P11-B	7 250				.22 .22	NO NO		114 114	
B 130	1		J19-N* P11-C	7 250				.22 .22	NO NO		114 114	
B 131			DELETED									
B 132			DELETED									
B 133	1		J19-Z P11-F	7 250				.22 .22	NO NO		114 114	
B 134	1		J19-A* P11-G	7 250				.22 .22	NO NO		114 114	
B 135	1		J19-B* P11-K	7 250				.22 .22	NO NO		114 114	
B 136	1		J19-C* P37-C	7 251				.22 .22	NO NO		114 115	
B 137	1		J19-J* E309-B	7 9				.22 .25	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 147	3		J19-E P100D-3	7 87				.22 .12	NO NO		114 113	
B 148	3		J19-F P100D-4	7 87				.22 .12	NO NO		114 113	
B 151	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 151A	1		SHLD B151 E338-B	 8				.25 .25	NO NO			
B 151L			J19-G* P11-J	7 250				.22 .22	NO NO		114	
B 151R			J19-H* P11-H	7 250				.22 .22	NO NO		114	
B 152	10				4.00 2.25	3.75 2.00				B,6A A,7	120,121,119 120	
B 152A	1		SHLD B152 E309-B	 9				.25 .25	NO NO			
B 152L			J19-Y P11-T	7 250				.22 .22	NO NO		116 114	
B 152R			J19-X P11-S	7 250				.22 .22	NO NO		116 114	
B 153	2		J20-N TB7-7	5 219				.22 .20	NO NO		127 74	
B 154	2		J20-D TB8-5	5 211				.22 .20	NO NO		127 74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 155	1		J20-M P24-S	5 196				.22 .22	NO NO		115 115	
B 156	1		J20-C P24-C*	5 196				.22 .22	NO NO		115 115	
B 157	1		J20-H P129F-32	5 23F				.22 .12	NO NO		115 138	
B 158	1		J20-E P129F-27	5 23F				.22 .12	NO NO		115 113	
B 159	1		J20-F P129F-24	5 23F				.22 .12	NO NO		115 113	
B 160	1		J20-G P129F-23	5 23F				.22 .12	NO NO		115 113	
B 161	1		J21-R* P96-A	2 182				.22 .22	NO NO		114 115	
B 162	1		J21-Q* P96-B	2 182				.22 .22	NO NO		114 115	
B 163	1		J21-P* P96-C	2 182				.22 .22	NO NO		114 115	
B 164	1		J21-N* P96-D	2 182				.22 .22	NO NO		114 115	
B 165	1		J21-M* P96-E	2 182				.22 .22	NO NO		114 115	
B 166	1		J21-B* P96-G	2 182				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 167	1		J21-C* P96-H	2 182				.22 .22	NO NO		114 115	
B 168	1		J21-D* P96-J	2 182				.22 .22	NO NO		114 115	
B 169	1		J21-E* P96-K	2 182				.22 .22	NO NO		114 115	
B 170	1		J21-F* P96-L	2 182				.22 .22	NO NO		114 115	
B 171	1		J21-G* P96-M	2 182				.22 .22	NO NO		114 115	
B 172	1		J21-H* P96-N	2 182				.22 .22	NO NO		114 115	
B 173	1		J21-J* P96-P	2 182				.22 .22	NO NO		114 115	
B 174	1		J21-K* P96-R	2 182				.22 .22	NO NO		114 115	
B 175	1		J21-A* P96-S	2 182				.22 .22	NO NO		114 115	
B 176	1		J21-Z* P98-N*	2 187				.22 .22	NO NO		114 115	
B 177	1		J21-HH P98-G*	2 187				.22 .22	NO NO		114 115	
B 178	1		J21-EE P98-DD	2 187				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 179	1		J21-V P98-H*	2 187				.22 .22	NO NO		114 115	
B 180	1		J21-L P98-J*	2 187				.22 .22	NO NO		114 115	
B 181	1		J21-M P98-CC	2 187				.22 .22	NO NO		114 115	
B 182	1		J21-X* P98-I*	2 187				.22 .22	NO NO		114 115	
B 183	1		J21-GG P98-V	2 187				.22 .22	NO NO		114 115	
B 184	1		J21-DD P98-U	2 187				.22 .22	NO NO		114 115	
B 185	1		J21-N P98-T	2 187				.22 .22	NO NO		114 115	
B 186	1		J21-J P98-S	2 187				.22 .22	NO NO		114 115	
B 187	1		J21-K P98-R	2 187				.22 .22	NO NO		114 115	
B 188	1		J21-S P99-FF	2 186				.22 .22	NO NO		114 115	
B 189	1		J21-FF P98-S*	2 186				.22 .22	NO NO		114 115	
B 190	1		J21-Y* P98-R*	2 186				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 191	1		J21-AA P98-P*	2 186				.22 .22	NO NO		114 115	
B 192	1		J21-BB P98-M*	2 186				.22 .22	NO NO		114 115	
B 193	1		J21-CC P98-PP	2 186				.22 .22	NO NO		114 115	
B 194	1		J21-B P129F-32	2 23F				.22 .12	NO NO		114	
B 195	1		J21-C P35-CC	2 184				.22 .22	NO NO		114 115	
B 196	1		J21-D P35-DD	2 184				.22 .22	NO NO		114 115	
B 197	1		J21-E P35-EE	2 184				.22 .22	NO NO		114 115	
B 198	1		J21-F P35-FF	2 184				.22 .22	NO NO		114 115	
B 199	1		J21-G P35-GG	2 184				.22 .22	NO NO		114 115	
B 200	1		J21-H P35-HH	2 184				.22 .22	NO NO		114 115	
B 201	1		J21-P P92-P*	2 183				.22 .22	NO NO		114 115	
B 202	1		J21-R P92-Q*	2 183				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 203	1		J21-U P98-EE	2 187				.22 .22	NO NO		114 115	
B 204	1		J21-W P35-JJ	2 184				.22 .22	NO NO		114 115	
B 205	1		J21-X P35-W	2 184				.22 .22	NO NO		114 115	
B 206	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 206A	1		SHLD B206 E310-B	 19				.25 .25	NO NO			
B 206L			J22-Q* P35-B*	18 184				.22 .22	NO NO		114 115	
B 206R			J22-P* P35-C*	18 184				.22 .22	NO NO		114 115	
B 207	1		J22-C* P35-G*	18 184				.22 .22	NO NO		114 115	
B 208	1		J22-A* P35-X	18 184				.22 .22	NO NO		114 115	
B 209	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 209B	3		E305-B SHLD B209	61				.25 .25	NO NO			
B 209L			J22-V P107D-11	18 64				.22 .12	NO NO		114 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 209R			J22-U P107D-13	18 64				.22 .12	NO NO		114 113	
B 210	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 210B	3		E305-B SHLD B210	61				.25 .25	NO NO			
B 210L			J22-X P107D-17	18 64				.22 .12	NO NO		114 113	
B 210R			J22-W P107D-19	18 64				.22 .12	NO NO		114 113	
B 211	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 211B	3		E305-B SHLD B211	61				.25 .25	NO NO			
B 211L			J22-Z P107D-23	18 64				.22 .12	NO NO		114 113	
B 211R			J22-Y P107D-25	18 64				.22 .12	NO NO		114 113	
B 212	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 212B	1		E310-B SHLD B212	19				.25 .25	NO NO			
B 212L			J22-T P11-FF	18 250				.22 .22	NO NO		114 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 212R			J22-S P11-X	18 250				.22 .22	NO NO		114 114	
B 213	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 213A	1		SHLD B213 E310-B	 19				.25 .25	NO NO			
B 213L			J22-E P11-T	18 250				.22 .22	NO NO		114 114	
B 213R			J22-D P11-S	18 250				.22 .22	NO NO		114 114	
B 214	1		J22-AA P11-V	18 250				.22 .22	NO NO		114 114	
B 215	1		J22-BB P11-W	18 250				.22 .22	NO NO		114 114	
B 216	1		J22-CC P37-H*	18 251				.22 .22	NO NO		114 115	
B 217	1		J22-DD P37-J*	18 251				.22 .22	NO NO		114 115	
B 218	1		J22-EE P37-N*	18 251				.22 .22	NO NO		114 115	
B 219	1		J22-GG P37-S*	18 251				.22 .22	NO NO		114 115	
B 220	1		J22-HH P37-U*	18 251				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 221	1		J22-W* P37-W*	18 251				.22 .22	NO NO		114 115	
B 222	1		J22-X* P37-Y*	18 251				.22 .22	NO NO		114 115	
B 223	1		J22-Y* P37-AA	18 251				.22 .22	NO NO		114 115	
B 224	1		J22-Z* P37-CC	18 251				.22 .22	NO NO		114 115	
B 225	1		J22-D* P35-D*	18 184				.22 .22	NO NO		114 115	
B 226	1		J22-R* P36-Q*	18 181				.22 .22	NO NO		114 115	
B 227	1		J22-T* P36-AA	18 181				.22 .22	NO NO		114 115	
B 228	1		J22-F P36-DD	18 181				.22 .22	NO NO		114 115	
B 229	1		J22-K* P36-BB	18 181				.22 .22	NO NO		114 115	
B 230	1		J22-B* P35-A*	18 184				.22 .22	NO NO		114 115	
B 231	1		J22-E* P36-LL	18 181				.22 .22	NO NO		114 115	
B 232	1		J22-F* P36-X*	18 181				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 233	1		J22-G* P36-W*	18 181				.22 .22	NO NO		114 115	
B 234	1		J22-H* P36-EE	18 181				.22 .22	NO NO		114 115	
B 235	1		J22-J* P36-JJ	18 181				.22 .22	NO NO		114 115	
B 236	1		J22-K P33-R	18 189				.22 .22	NO NO		114 115	
B 237	1		J22-R P1070-12	18 64				.22 .12	NO NO		114 113	
B 238	1		J22-P P1070-18	18 64				.22 .12	NO NO		114 113	
B 239	1		J22-N P1070-24	18 64				.22 .12	NO NO		114 113	
B 240	1		J22-M P129F-15	18 23F				.22 .12	NO NO		114 113	
B 241	1		J22-I* P36-GG	18 181				.22 .22	NO NO		114 115	
B 242	1		J23-A P41-S*	14 107				.22 .22	NO NO		114 115	
B 243	1		J23-B P41-T*	14 107				.22 .22	NO NO		114 115	
B 244	1		J23-C P41-U*	14 107				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 245	1		J23-D P41-V*	14 107				.22 .22	NO NO		114 115	
B 246	1		J23-E P41-W*	14 107				.22 .22	NO NO		114 115	
B 247	1		J23-F P41-X*	14 107				.22 .22	NO NO		114 115	
B 248	1		J23-G P41-Y*	14 107				.22 .22	NO NO		114 115	
B 249	1		J23-H P41-Z*	14 107				.22 .22	NO NO		114 115	
B 250	1		J23-J P41-AA	14 107				.22 .22	NO NO		114 115	
B 251	1		J23-V P41-BB	14 107				.22 .22	NO NO		114 115	
B 252	1		J23-W P41-CC	14 107				.22 .22	NO NO		114 115	
B 253	1		J23-X P41-DD	14 107				.22 .22	NO NO		114 115	
B 254	1		J23-Y P41-EE	14 107				.22 .22	NO NO		114 115	
B 255	1		J23-Z P41-FF	14 107				.22 .22	NO NO		114 115	
B 256	1		J23-A* P41-GG	14 107				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 257	1		J23-B* P41-HH	14 107				.22 .22	NO NO		114 115	
B 258	1		J23-C* P41-JJ	14 107				.22 .22	NO NO		114 115	
B 259	1		J23-D* P41-KK	14 107				.22 .22	NO NO		114 115	
B 260	1		J23-E* P41-LL	14 107				.22 .22	NO NO		114 115	
B 261	1		J23-Q* P41-MM	14 107				.22 .22	NO NO		114 115	
B 262	1		J23-R* P41-NN	14 107				.22 .22	NO NO		114 115	
B 263	1		J23-S* P41-PP	14 107				.22 .22	NO NO		114 115	
B 264	1		J23-EE P109D-25	14 79				.22 .12	NO NO		114 113	
B 265	1		J23-FF P109D-26	14 79				.22 .12	NO NO		114 113	
B 266	1		J23-GG P109D-1	14 79				.22 .12	NO NO		114 113	
B 267	1		J23-HH P109D-2	14 79				.22 .12	NO NO		114 113	
B 268	1		J23-U* P121D-13	14 72				.22 .12	NO NO		114 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 51 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 269	1		J23-V* P121D-14	14 72				.22 .12	NO NO		114 113	
B 270	1		J23-W* P100D-1	14 87				.22 .12	NO NO		114 113	
B 271	1		J23-X* P100D-2	14 87				.22 .12	NO NO		114 113	
B 272	1		J23-AA P115D-19	14 77				.22 .12	NO NO		114 113	
B 273	1		J23-BB P115D-20	14 77				.22 .12	NO NO		114 113	
B 274	1		J23-CC P121D-3	14 72				.22 .12	NO NO		114 113	
B 275	1		J23-DD P121D-4	14 72				.22 .12	NO NO		114 113	
B 276	143				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 276A	1		SHLD B276 E311-B	 11				.25 .25	NO NO			
B 276L			J24-H P21-S*	10 202				.22 .22	NO NO		115 115	
B 276R			J24-G P21-U*	10 202				.22 .22	NO NO		115 115	
B 276Y			J24-J P21-T*	10 202				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 52 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 277	1		J24-R* P37-K	10 251				.22 .22	NO NO		115 115	
B 278	1		J24-S* P37-M	10 251				.22 .22	NO NO		115 115	
B 279	1		J24-V* P37-T*	10 251				.22 .22	NO NO		115 115	
B 280	1		J24-BB P37-V*	10 251				.22 .22	NO NO		115 115	
B 281	1		J24-W* P37-P*	10 251				.22 .22	NO NO		115 115	
B 282	1		J24-Y* P37-X*	10 251				.22 .22	NO NO		115 115	
B 283	1		J24-Q* P37-Z*	10 251				.22 .22	NO NO		115 115	
B 284	1		J24-N* P37-BB	10 251				.22 .22	NO NO		115 115	
B 285	1		J24-P* P37-DD	10 251				.22 .22	NO NO		115 115	
B 286	1		J24-U* P37-I*	10 251				.22 .22	NO NO		115 115	
B 287	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 287A	1		SHLD B287 E311-B	 11				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 53 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 287L			J24-D P37-NN	10 251				.22 .22	NO NO		115 115	
B 287R			J24-C P37-Z	10 251				.22 .22	NO NO		115 115	
B 288	1		J24-X* P37-M*	10 251				.22 .22	NO NO		115 115	
B 289	1		J24-T* P37-L	10 251				.22 .22	NO NO		115 115	
B 290	1		J24-AA P37-R*	10 251				.22 .22	NO NO		115 115	
B 291	1		J24-Z* P37-K*	10 251				.22 .22	NO NO		115 115	
B 292	1		J24-B P129A-32	10 174A				.22 .12	NO NO		115 138	
B 293	1		J25-CC P100D-13	10 87				.22 .12	NO NO		115 113	
B 294	1		J25-DD P100D-7	10 87				.22 .12	NO NO		115 113	
B 295	1		J25-B P129D-32	10 174D				.22 .12	NO NO		115 113	
B 296	1		J25-X P26-AA	10 194				.22 .22	NO NO		115 115	
B 297	1		J25-W P110D-19	10 60				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 54 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 343	1		J26-K* P98-BB	3 187				.22 .22	NO NO		115 115	
B 344	1		J26-K* P37-A*	3 251				.22 .22	NO NO		115 115	
B 345	10				2.25 4.00	2.00 3.70				A,7 A,6B	120 120,119	
B 345B	1		P114D-31 SHLD B345	37				.12 .25	NO NO		113	
B 345L			J26-M P114D-10	3 37				.22 .12	NO NO		115 113	
B 345R			J26-L P114D-9	3 37				.22 .12	NO NO		115 113	
B 347	1		J26-M* P114D-16	3 37				.22 .12	NO NO		115 113	
B 348	1		J26-P* P114D-28	3 37				.22 .12	NO NO		115 113	
B 349	1		J26-N* P115D-4	3 77				.22 .12	NO NO		115 113	
B 350	1		J26-DD P129F-3	3 23F				.22 .12	NO NO		115 113	
B 351	143				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 351B	1		E313-B SHLD B351	4				.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 59 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 351L			J27-B P26-E	1 194				.22 .22	NO NO		114 115	
B 351R			J27-C P26-D	1 194				.22 .22	NO NO		114 115	
B 351Y			J27-A P26-F	1 194				.22 .22	NO NO		114 115	
B 352	1		J27-D P26-G	1 194				.22 .22	NO NO		114 115	
B 353	1		J27-E P26-H	1 194				.22 .22	NO NO		114 115	
B 354	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 354E			J28-1A P49-29A	91 168				.19 .19	NO NO		130 132	
B 354X			J28-1B P49-29B	91 168								
B 355	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 355E			J28-2A P49-14A	91 168				.19 .19	NO NO		130 132	
B 355X			J28-2B P49-14B	91 168								
B 356	118				.52 .38	.31 .19					128,129,120 128,131,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 60 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 356E			J28-3A P49-28A	91 168				.19 .19	NO NO		130 132	
B 356X			J28-3B P49-28B	91 168								
B 357	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 357E			J28-4A P49-30A	91 168				.19 .19	NO NO		130 132	
B 357X			J28-4B P49-30B	91 168								
B 358	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 358E			J28-5A P49-46A	91 168				.19 .19	NO NO		130 132	
B 358X			J28-5B P49-46B	91 168								
B 359	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 359E			J28-6A P49-48A	91 168				.19 .19	NO NO		130 132	
B 359X			J28-6B P49-48B	91 168								
B 360	118				.52 .38	.31 .19					128,129,120 128,131,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 61 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 360E			J28-7A P49-3A	91 168				.19 .19	NO NO		130 132	
B 360X			J28-7B P49-3B	91 168								
B 361	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 361E			J28-8A P49-9A	91 168				.19 .19	NO NO		130 132	
B 361X			J28-8B P49-9B	91 168								
B 362	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 362E			J28-9A P128A-16A	91 171				.19 .11	NO NO		130 96	
B 362X			J28-9B P128A-16B	91 171								
B 363	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 363E			J28-10A P128A-18A	91 171				.19 .11	NO NO		130 96	
B 363X			J28-10B P128A-18B	91 171								
B 364	118				.52 4.00	.31 3.75				 B,6A	128,129,120 119,124,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 62 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 364B	1		P16-Q* SHLD B364	199				.22 .25	NO NO		114	
B 364E			J28-11A P16-P*	91 199				.19 .22	NO NO		130 114	
B 364X			J28-11B SHLD B364	91								
B 365	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 365B	1		P16-V* SHLD B365	199				.22 .25	NO NO		114	
B 365E			J28-12A P16-U*	91 199				.19 .22	NO NO		130 114	
B 365X			J28-12B SHLD B365	91								
B 366	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 366E			J28-13A P128A-17A	91 171				.19 .11	NO NO		130 96	
B 366X			J28-13B P128A-17B	91 171								
B 367	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 367B	1		P17-T SHLD B367	200				.22 .25	NO NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 367E			J28-14A P17-S	91 200				.19 .22	NO NO		130 115	
B 367X			J28-14B SHLD B367	91								
B 368	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 368B	1		P16-EE SHLD B368	199				.22 .25	NO NO		114	
B 368E			J28-15A P16-DD	91 199				.19 .22	NO NO		130 114	
B 368X			J28-15B SHLD B368	91								
B 369	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 369B	1		P16-X* SHLD B369	199				.22 .25	NO NO		114	
B 369E			J28-16A P16-W*	91 199				.19 .22	NO NO		130 114	
B 369X			J28-16B SHLD B369	91								
B 370	118				.52 4.00	.31 3.75				B,6B	128,129,120 119,120	
B 370B	1		P27-S* SHLD B370	185				.22 .25	NO NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 370E			J28-17A P27-R*	91 185				.19 .22	NO NO		130 115	
B 370X			J28-17B SHLD B370	91								
B 371	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 371E			J29-1A P60-32A	92 122				.19 .19	NO NO		130 132	
B 371X			J29-1B P60-32B	92 122								
B 372	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 372E			J29-2A P60-33A	92 122				.19 .19	NO NO		130 132	
B 372X			J29-2B P60-33B	92 122								
B 373	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 373E			J29-3A P60-34A	92 122				.19 .19	NO NO		130 132	
B 373X			J29-3B P60-34B	92 122								
B 374	118				.52 .38	.31 .19					128,129,120 128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 374E			J29-4A P60-4A	92 122				.19 .19	NO NO		130 132	
B 374X			J29-4B P60-4B	92 122								
B 375	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 375E			J29-5A P60-5A	92 122				.19 .19	NO NO		130 132	
B 375X			J29-5B P60-5B	92 122								
B 376	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 376E			J29-6A P60-6A	92 122				.19 .19	NO NO		130 132	
B 376X			J29-6B P60-6B	92 122								
B 377	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 377A	1		SHLD B377 J30-3	 90				.25 .19	NO NO		 133	
B 377B	1		P119D-31 SHLD B377	53				.12 .25	NO NO		138	
B 377L			J30-2 P119D-22	90 53				.19 .12	NO NO		133 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 377R			J30-1 P119D-21	90 53				.19 .12	NO NO		133 113	
B 378	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 378A	1		SHLD B378 J30-6	 90				.25 .19	NO NO		 133	
B 378B	1		P119D-31 SHLD B378	53				.12 .25	NO NO			
B 378L			J30-5 P119D-24	90 53				.19 .12	NO NO		133 113	
B 378R			J30-4 P119D-23	90 53				.19 .12	NO NO		133 113	
B 379	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 379E			J30-7A P60-38A	90 122				.19 .19	NO NO		130 132	
B 379X			J30-7B P60-38B	90 122								
B 380	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 380B	1		E315-B SHLD B380	172				.25 .25	NO NO			
B 380L			P1-C P91-C*	193 173				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 380R			P1-F P91-C	193 173				.22 .22	NO NO		115 115	
B 381	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 381B	1		E315-B SHLD B381	172				.25 .25	NO NO			
B 381L			P1-R P91-E*	193 173				.22 .22	NO NO		115 115	
B 381R			P1-G P91-E	193 173				.22 .22	NO NO		115 115	
B 382	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 382B	1		E315-B SHLD B382	172				.25 .25	NO NO			
B 382L			P1-U P91-G*	193 173				.22 .22	NO NO		115 115	
B 382R			P1-K P91-G	193 173				.22 .22	NO NO		115 115	
B 383	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 383B	1		P117A-31 SHLD B383	36				.12 .25	NO NO		138	
B 383L			P1-D P117A-6	193 36				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 383R			P1-B P117A-5	193 36				.22 .12	NO NO		115 113	
B 384	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 384B	1		TB6-6 SHLD B384	240				.20 .25	NO NO		74	
B 384L			P2-E TB6-6	192 240				.22 .20	NO NO		117 74	
B 384R			P2-D TB6-9	192 243				.22 .20	NO NO		117 74	
B 385	2		P2-A P126F-27	192 30				.22 .22	NO NO		117 138	
B 386	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 386B	1		E315-B SHLD B386	172				.25 .25	NO NO			
B 386L			P3-C P91-K*	149 173				.22 .22	NO NO		115 115	
B 386R			P3-F P91-K	149 173				.22 .22	NO NO		115 115	
B 387	1				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 387B	1		E315-B SHLD B387	172				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 387L			P3-R P91-N*	149 173				.22 .22	NO NO		115 115	
B 387R			P3-G P91-N	149 173				.22 .22	NO NO		115 115	
B 388	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 388B	1		E315-B SHLD B388	172				.25 .25	NO NO			
B 388L			P3-U P91-R*	149 173				.22 .22	NO NO		115 115	
B 388R			P3-K P91-R	149 173				.22 .22	NO NO		115 115	
B 389	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 389B	1		P117A-31 SHLD B389	36				.12 .25	NO NO			
B 389L			P3-D P117A-10	149 36				.22 .12	NO NO		115 113	
B 389R			P3-B P117A-9	149 36				.22 .12	NO NO		115 113	
B 390	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 390B	1		TB6-5 SHLD B390	239				.20 .25	NO NO		74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 390L			P4-E T86-5	148 239				.22 .20	NO NO		117 74	
B 390R			P4-D T86-8	148 242				.22 .20	NO NO		117 74	
B 391	2		P4-A P126E-31	148 31				.22 .22	NO NO		117 138	
B 392	2		P5-V* T89-3	110 101				.22 .20	NO NO		126 74	
B 393	2		P5-BB T89-1	110 103				.22 .20	NO NO		126 74	
B 394	1		P5-S* P64-GG	110 134				.22 .22	NO NO		114 115	
B 395	1		P5-FF P64-V*	110 134				.22 .22	NO NO		114 115	
B 396	1		P5-CC P64-W*	110 134				.22 .22	NO NO		114 115	
B 397	1		P5-DD P64-X*	110 134				.22 .22	NO NO		114 115	
B 398	1		P5-W* P64-Y*	110 134				.22 .22	NO NO		114 115	
B 399	1		P5-Y* P64-Z*	110 134				.22 .22	NO NO		114 115	
B 400	1		P5-AA P64-AA	110 134				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 71 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 401	1		P5-C P41-B	110 107				.22 .22	NO NO		114 115	
B 402	1		P5-D P41-C	110 107				.22 .22	NO NO		114 115	
B 403	1		P5-E P41-D	110 107				.22 .22	NO NO		114 115	
B 404	1		P5-H P39-LL	110 105				.22 .22	NO NO		114 115	
B 405	1		P5-J P39-MM	110 105				.22 .22	NO NO		114 115	
B 406	1		P5-K P39-NN	110 105				.22 .22	NO NO		114 115	
B 407	1		P5-L P39-PP	110 105				.22 .22	NO NO		114 115	
B 408	1		P5-P P39-GG	110 105				.22 .22	NO NO		114 115	
B 409	1		P5-R P39-HH	110 105				.22 .22	NO NO		114 115	
B 410	1		P5-S P39-JJ	110 105				.22 .22	NO NO		114 115	
B 411	1		P5-T P39-KK	110 105				.22 .22	NO NO		114 115	
B 412	1		P5-W P39-CC	110 105				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 72 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 413	1		P5-X P39-DD	110 105				.22 .22	NO NO		114 115	
B 414	1		P5-Y P39-EE	110 105				.22 .22	NO NO		114 115	
B 415	1		P5-Z P39-FF	110 105				.22 .22	NO NO		114 115	
B 416	1		P5-B* P39-Y*	110 105				.22 .22	NO NO		114 115	
B 417	1		P5-C* P39-Z*	110 105				.22 .22	NO NO		114 115	
B 418	1		P5-D* P39-AA	110 105				.22 .22	NO NO		114 115	
B 419	1		P5-E* P39-BB	110 105				.22 .22	NO NO		114 115	
B 420	1		P5-G* P39-U*	110 105				.22 .22	NO NO		114 115	
B 421	1		P5-H* P39-V*	110 105				.22 .22	NO NO		114 115	
B 422	1		P5-I* P39-W*	110 105				.22 .22	NO NO		114 115	
B 423	1		P5-J* P39-X*	110 105				.22 .22	NO NO		114 115	
B 424	1		P5-R* P39-S*	110 105				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 73 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 425	1		P5-S* P39-P*	110 105				.22 .22	NO NO		114 115	
B 426	1		P5-P* P39-T*	110 105				.22 .22	NO NO		114 115	
B 427	1		P5-U* P39-Q*	110 105				.22 .22	NO NO		114 114	
B 428	1		P5-B P116A-19	110 58				.22 .12	NO NO		114 113	
B 429	1		P5-T* P116A-20	110 58				.22 .12	NO NO		114 113	
B 430	118				.52 .52	.23 .23				A,10 A,10	92, 94,120 92, 94,120	
B 430E			P7-D1 P93-B1	108 130				.11 .11	NO NO		90 90	
B 430X			P7-D2 P93-B2	108 130								
B 431	118				.52 4.00	.23 3.75				A.10 B,68	92, 94,120 119,120	
B 431B	1		P63-CC SHLD B431	137				.22 .25	NO NO		115	
B 431E			P7-F1 P63-DD	108 137				.11 .22	NO NO		90 115	
B 431X			P7-F2 SHLD B431	108								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 74 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 432	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 432E			P7-A1 P69-A1	108 136				.11 .11	NO NO		90 90	
B 432X			P7-A2 P69-A2	108 136								
B 433	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 433E			P7-B1 P93-A1	108 130				.11 .11	NO NO		90 90	
B 433X			P7-B2 P93-A2	108 130								
B 434	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 434B	1		P17-A* SHLD B434	200				.22 .25	NO NO		115	
B 434E			P7-C1 P17-B*	108 200				.11 .22	NO NO		90 115	
B 434X			P7-C2 SHLD B434	108								
B 435	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 435B	1		TB9-10 SHLD B435	96				.20 .25	NO NO		74	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 435L			P8-E TB9-10	109 96				.22 .20	NO NO		117 74	
B 435R			P8-D TB9-7	109 99				.22 .20	NO NO		117 74	
B 436	2		P8-A P126F-28	109 30				.22 .22	NO NO		117 138	
B 437	1		P11-M* P24-R*	250 196				.22 .22	NO NO		114 115	
B 438	1		P11-K* P24-P*	250 196				.22 .22	NO NO		114 115	
B 439	1		P11-N* P24-S*	250 196				.22 .22	NO NO		114 115	
B 440	2		P11-T* P126F-30	250 30				.22 .22	NO NO		126 138	
B 441	1		P11-D* P111D-3	250 41				.22 .12	NO NO		114 113	
B 442	1		P11-E* P110D-29	250 60				.22 .22	NO NO		114 113	
B 443	1		P11-F* P111D-9	250 41				.22 .12	NO NO		114 113	
B 444	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 444B	1		P111D-31 SHLD B444	41				.12 .25	NO NO		113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 444L			P11-C* P111D-4	250 41				.22 .12	NO NO		114 113	
B 444R			P11-G* P111D-5	250 41				.22 .12	NO NO		114 113	
B 445	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 445A	1		SHLD B445 E338-B	 8				.25 .25	NO NO			
B 445L			J19-W P11-Z*	7 250				.22 .22	NO NO		116 126	
B 445R			J19-U P11-Q*	7 250				.22 .22	NO NO		116 126	
B 446	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 446A	1		SHLD B446 E338-B	 8				.22 .25	NO NO		116	
B 446L			E339B P11-L	8A 250				.25 .22	NO NO		 126	
B 446R			J19-E* P11-M	7 250				.22 .22	NO NO		116 126	
B 447	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 447A	1		SHLD B447 E338-B	 8				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 447L			J19-R* P11-P	7 250				.22 .22	NO NO		116 126	
B 447R			J19-Q* P11-N	7 250				.22 .22	NO NO		116 126	
B 449	1		P11-Y P129E-25	7 23E				.22 .12	NO NO		114 113	
B 450	1		P11-Z P129E-26	7 23E				.22 .12	NO NO		114 113	
B 451	1		P11-U* P130F-9	7 22F				.22 .12	NO NO		114 113	
B 452	1		P11-V* P130F-10	7 22F				.22 .12	NO NO		114 113	
B 453	1		P11-BB P111A-21	7 42				.22 .12	NO NO		114 113	
B 454	1		P11-CC P111A-22	7 42				.22 .12	NO NO		114 113	
B 455	1		P11-D P34-F*	7 188				.22 .22	NO NO		114 115	
B 456	1		P11-E P130E-5	7 22E				.22 .12	NO NO		114 113	
B 457	118				.50 .38	.31 .19					120 128,131,120	
B 457E			P13-1 P62-46A	143 125				.11 .19	NO NO		 132	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 457X			P13-2 P62-46B	143 125								
B 458	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 458A	1		SHLD B458 P14-T	 197				.25 .22	NO NO		 114	
B 458E			P14-S P127B-9A	197 170B				.22 .11	NO NO		114 96	
B 458X			SHLD B458 P127B-9B	 170B								
B 459	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 459A	1		SHLD B459 P14-G*	 197				.25 .22	NO NO		 114	
B 459E			P14-F* P127B-14A	197 170B				.22 .11	NO NO		114 96	
B 459X			SHLD B459 P127B-14B	 170B								
B 460	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 460A	1		SHLD B460 P14-R	 197				.25 .22	NO NO		 114	
B 460E			P14-P P127B-12A	197 170B				.22 .11	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 460X			SHLD B460 P127B-12B	 170B								
B 461	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 461A	1		SHLD B461 P14-S*	 197				.25 .22	NO NO		 114	
B 461E			P14-U* P127B-17A	197 170B				.22 .11	NO NO		114 96	
B 461X			SHLD B461 P127B-17B	 170B								
B 462	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 462A	1		SHLD B462 P14-E	 197				.25 .22	NO NO		 114	
B 462E			P14-D P128B-8A	197 171				.22 .11	NO NO		114 96	
B 462X			SHLD B462 P128B-8B	 171								
B 463	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 463A	1		SHLD B463 P14-X*	 197				.25 .22	NO NO		 114	
B 463E			P14-R* P127B-19A	197 170B				.22 .11	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 463X			SHLD B463 P127B-19B	 170B								
B 464	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 464A	1		SHLD B464 P14-GG	 197				.25 .22	NO NO		 114	
B 464E			P14-FF P128B-13A	197 170B				.22 .11	NO NO		114 96	
B 464X			SHLD B464 P128B-13B	 170B								
B 465	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 465A	1		SHLD B465 P14-HH	 197				.25 .22	NO NO		 114	
B 465E			P14-CC P128B-11A	197 170B				.22 .11	NO NO		114 96	
B 465X			SHLD B465 P128B-11B	 167B								
B 466	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 466A	1		SHLD B466 P14-EE	 197				.25 .22	NO NO		 114	
B 466E			P14-DD P128B-12A	197 167B				.22 .11	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 466X			SHLD B466 P128B-12B	 167B								
B 467	1		P14-E* P115A-24	197 78				.22 .12	NO NO		114 113	
B 468	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 468A	1		SHLD B468 P14-A*	 197				.25 .22	NO NO		 114	
B 468E			P14-B* P128B-9A	197 167B				.22 .11	NO NO		114 96	
B 468X			SHLD B468 P128B-9B	 167B								
B 469	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 469A	1		SHLD B468 P14-N	 197				.25 .22	NO NO		 114	
B 469E			P14-M P128B-1A	197 167B				.22 .11	NO NO		114 96	
B 469X			SHLD B469 P128B-1B	 167B								
B 470	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 470A	1		SHLD B470 P14-B	 197				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 470E			P14-C P128B-4A	197 167B				.22 .11	NO NO		114	
B 470X			SHLD B470 P128B-4B	 167B								
B 471	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 471A	1		SHLD B471 P14-K*	 197				.25 .22	NO NO		 114	
B 471E			P14-J* P128B-5A	197 167B				.22 .11	NO NO		114 96	
B 471X			SHLD B471 P128B-5B	 167B								
B 472	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 472A	1		SHLD B472 P14-Q*	 197				.25 .22	NO NO		 114	
B 472E			P14-P* P128B-2A	197 167B				.22 .11	NO NO		114 96	
B 472X			SHLD B472 P128B-2B	 167B								
B 473	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 473A	1		SHLD B473 P14-M*	 197				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 83 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 473E			P14-N* P128B-3A	197 167B				.22 .11	NO NO		114 96	
B 473X			SHLD B473 P128B-3B	 167B								
B 474	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 474A	1		SHLD B474 P14-W	 197				.25 .22	NO NO		 114	
B 474E			P14-X P49-25A	197 168				.22 .19	NO NO		114 132	
B 474X			SHLD B474 P49-25B	 168								
B 475	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 475A	1		SHLD B475 P15-I*	 198				.25 .22	NO NO		 114	
B 475E			P15-H* P127B-10A	198 167B				.22 .11	NO NO		114 96	
B 475X			SHLD B475 P127B-10B	 167B								
B 476	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 476A	1		SHLD B475 P15-V	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 84 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 476E			P15-U P127B-11A	198 167B				.22 .11	NO NO		114 96	
B 476X			SHLD B476 P127B-11B	 167B								
B 477	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 477A	1		SHLD B477 P15-G*	 198				.25 .22	NO NO		 114	
B 477E			P15-F* P127B-13A	198 167B				.22 .11	NO NO		114 96	
B 477X			SHLD B477 P127B-13B	 167B								
B 478	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 478A	1		SHLD B478 P15-T	 198				.25 .22	NO NO		 114	
B 478E			P15-S P127B-1A	198 170B				.22 .11	NO NO		114 96	
B 478X			SHLD B478 P127B-1B	 170B								
B 479	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 479A	1		SHLD B479 P15-P	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 85 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 479E			P15-R P127B-2A	198 170B				.22 .11	NO NO		114 96	
B 479X			SHLD B479 P127B-2B	 170B								
B 480	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 480A	1		SHLD B480 P15-D	 198				.25 .22	NO NO		 114	
B 480E			P15-E P127B-3A	198 170B				.22 .11	NO NO		114 96	
B 480X			SHLD B479 P127B-3B	 170B								
B 481	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 481A	1		SHLD B481 P15-H	 198				.25 .22	NO NO		 114	
B 481E			P15-J P127B-4A	198 170B				.22 .11	NO NO		114 96	
B 481X			SHLD B481 P127B-4B	 170B								
B 482	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 482A	1		SHLD B482 P15-B	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 86 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 482E			P15-C P127B-5A	198 170B				.22 .11	NO NO		114 96	
B 482X			SHLD B482 P127B-5B	 170B								
B 483	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 483A	1		SHLD B483 P15-M	 198				.25 .22	NO NO		 114	
B 483E			P15-N P127B-6A	198 170B				.22 .11	NO NO		114 96	
B 483X			SHLD B483 P127B-6B	 170B								
B 484	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 484A	1		SHLD B484 P15-EE	 198				.25 .22	NO NO		 114	
B 484E			P15-FF P127B-19A	198 170B				.22 .11	NO NO		114 96	
B 484X			SHLD B484 P127B-18B	 170B								
B 485	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 485A	1		SHLD B485 P15-Y*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 87 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 485E			P15-Z* P127B-21A	198 170B				.22 .11	NO NO		114 96	
B 485X			SHLD B485 P127B-21B	 170B								
B 486	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 486A	1		SHLD B486 P15-AA	 198				.25 .22	NO NO		 114	
B 486E			P15-BB P127B-24A	198 170B				.22 .11	NO NO		114 96	
B 486X			SHLD B486 P127B-24B	 170B								
B 487	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 487A	1		SHLD B487 P15-CC	 198				.25 .22	NO NO		 114	
B 487E			P15-DD P127B-20A	198 170B				.22 .11	NO NO		114 96	
B 487X			SHLD B487 P127B-20B	 170B								
B 488	118				4.00 .52	3.75 .23				B,6D	119,120 120, 97, 98	
B 488A	1		SHLD B488 P15-B*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 88 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 488E			P15-A* P128B-10A	198 167B				.25 .11	NO NO		114 96	
B 488X			SHLD B488 P128B-10B	 167B								
B 489	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 489A	1		SHLD B489 P15-G	 198				.25 .22	NO NO		 114	
B 489E			P15-F P49-26A	198 168				.22 .19	NO NO		114 132	
B 489X			SHLD B489 P49-26B	 168								
B 490	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 490A	1		SHLD B490 P15-L	 198				.25 .22	NO NO		 114	
B 490E			P15-K P49-12A	198 168				.22 .19	NO NO		114 132	
B 490X			SHLD B490 P49-12B	 168								
B 491	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 491A	1		SHLD B491 P15-J*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 89 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 491E			P15-K* P49-24A	198 168				.22 .19	NO NO		114 132	
B 491X			SHLD B491 P49-24B	 168								
B 492	118				4.00 .52	3.75 .31				B,6B	119,120 126,131,120	
B 492A	1		SHLD B491 P15-Q*	 198				.25 .22	NO NO		 114	
B 492E			P15-P* P49-10A	198 168				.22 .19	NO NO		114 132	
B 492X			SHLD B492 P49-10B	 168								
B 493	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 493A	1		SHLD B493 P15-N*	 198				.25 .22	NO NO		 114	
B 493E			P15-N* P49-11A	198 168				.22 .19	NO NO		114 132	
B 493X			SHLD B493 P49-11B	 168								
B 494	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 494A	1		SHLD B494 P16-V	 199				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 90 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 494E			P16-U P67-D1	199 132				.22 .11	NO NO		114 90	
B 494X			SHLD B494 P67-D2	 132								
B 495	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 495A	1		SHLD B495 P16-X	 199				.25 .22	NO NO			
B 495E			P16-W P69-E1	199 136				.22 .11	NO NO		114 90	
B 495X			SHLD B495 P69-E2	 136								
B 496	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 496A	1		SHLD B496 P16-Z	 199				.25 .22	NO NO		 114	
B 496E			P16-Y P67-E1	199 132				.22 .11	NO NO		114 90	
B 496X			SHLD B496 P67-E2	 132								
B 497	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 497A	1		SHLD B497 P16-b*	 199				.25 .22	NO NO		 114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 91 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 497E			P16-A* P69-F1	199 136				.22 .11	NO NO		114 90	
B 497X			SHLD B497 P69-F2	 136								
B 498	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 498A	1		SHLD B498 P16-N*	 199				.25 .22	NO NO		 114	
B 498E			P16-M* P67-F1	199 132				.22 .11	NO NO		114 90	
B 498X			SHLD B498 P67-F2	 132								
B 499	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 499A	1		SHLD B499 P16-G	 199				.25 .22	NO NO		 114	
B 499E			P16-F P68-A1	199 129				.22 .11	NO NO		114 90	
B 499X			SHLD B499 P68-A2	 129								
B 500	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 500A	1		SHLD B500 P16-J	 199				.25 .22	NO NO		 114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 92 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 500E			P16-H P70-B1	199 133				.22 .11	NO NO		114 90	
B 500X			SHLD B500 P70-B2	 133								
B 501	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 501A	1		SHLD B501 P16-L	 199				.25 .22	NO NO		 114	
B 501E			P16-K P68-B1	199 129				.22 .11	NO NO		114 90	
B 501X			SHLD B501 P68-B2	 129								
B 502	1		P16-Y* P64-EE	199 134				.22 .22	NO NO		114 115	
B 503	1		P16-AA P64-BB	199 134				.22 .22	NO NO		114 115	
B 504	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 504A	1		SHLD B504 P16-N	 199				.25 .22	NO NO		 114	
B 504E			P16-M P70-C1	199 133				.22 .11	NO NO		114 90	
B 504X			SHLD B504 P70-C2	 133								

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 93 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 505	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 505A	1		SHLD B505 P16-R	 199				.25 .22	NO NO		 114	
B 505E			P16-P P68-C1	199 129				.22 .11	NO NO		114 90	
B 505X			SHLD B505 P68-C2	 129								
B 506	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 506A	1		SHLD B506 P16-D*	 199				.25 .22	NO NO		 114	
B 506E			P16-C* P68-G1	199 129				.22 .11	NO NO		114 90	
B 506X			SHLD B506 P68-G2	 129								
B 507	118				4.00 .52	3.75 .23				8,68 A,10	119,120 92, 94,120	
B 507A	1		SHLD B507 P16-G*	 199				.25 .22	NO NO		 114	
B 507E			P16-F* P70-H1	199 133				.22 .11	NO NO		114 90	
B 507X			SHLD B507 P70-H2	 133								

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 94 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 508	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 508A	1		SHLD B508 P16-C	 199				.25 .22	NO NO		 114	
B 508E			P16-B P66-H1	199 129				.22 .11	NO NO		114 90	
B 508X			SHLD B508 P68-H2	 129								
B 509	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 509A	1		SHLD B509 P16-E	 199				.25 .22	NO NO			
B 509E			P16-D P70-J1	199 133				.22 .11	NO NO		114 90	
B 509X			SHLD B509 P70-J2	 133								
B 510	1		P16-CC P115A-23	199 76				.22 .12	NO NO		114 113	
B 511	1		P16-V P16-X	199 199				.22 .22	NO NO		 114	
B 512	1		P16-B* P16-Z	199 199				.22 .22	NO NO			
B 513	1		P16-N* P17-G	199 200				.22 .22	NO NO		 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 95 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 514	1		P16-G P16-J	199 199				.22 .22	NO NO			
B 515	1		P16-L P16-N	199 199				.22 .22	NO NO			
B 516	1		P16-R P17-K*	199 200				.22 .22	NO NO		 115	
B 517	1		P16-D* P16-G*	199 199				.22 .22	NO NO			
B 518	1		P16-C P16-E	199 199				.22 .22	NO NO		114 114	
B 519	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 519A	1		SHLD B519 P16-S*	 199				.25 .22	NO NO		 114	
B 519E			P16-R* P128B-18A	199 167				.22 .11	NO NO		114 96	
B 519X			SHLD B519 P128B-18B	 167						 B,6		
B 520	118				4.00 .52	3.75 .23				B	119,120 120, 97, 98	
B 520A	1		SHLD B520 P16-HH	 199				.25 .22	NO NO		 114	
B 520E			P16-GG P128B-16A	199 167B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 96 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 520X			SHLD B520 P128B-16B	 167B						 B,6		
B 521	118				4.00 .52	3.75 .23				B A,10	119,120 92, 94,120	
B 521A	1		SHLD B521 P17-G	 200				.25 .22	NO NO			
B 521E			P17-F P69-G1	200 136				.22 .11	NO NO		115 90	
B 521X			SHLD B521 P69-G2	 136								
B 522	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 522A	1		SHLD B522 P17-K*	 200				.25 .22	NO NO			
B 522E			P17-J* P70-D1	200 133				.22 .11	NO NO		115 90	
B 522X			SHLD B522 P70-D2	 133								
B 523	2		P17-A P126E-29	200 31				.22 .22	NO NO		127 138	
B 524	1		P17-Y* P130B-1	200 179B				.22 .12	NO NO		115 113	
B 525	1		P17-BB P25-AA	200 195				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 97 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 526	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 526B	1		TB6-3 SHLD B526	237				.20 .25	NO NO		74	
B 526L			P17-V TB6-3	200 237				.22 .20	NO NO		115 74	
B 526R			P17-U TB5-7	200 233				.22 .20	NO NO		115 73	
B 527	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 527A	1		SHLD B527 P17-E	 200				.25 .22	NO NO		 115	
B 527E			P17-D P128B-19A	200 167B				.22 .11	NO NO		115	
B 527X			SHLD B527 P128B-19B	 167B								
B 528	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 528A	1		SHLD B528 P17-J	 200				.25 .22	NO NO		 115	
B 528E			P17-H P49-41A	200 168				.22 .19	NO NO		115 132	
B 528X			SHLD B528 P49-41B	 168								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 98 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 529	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 529A	1		SHLD B529 P17-L	 200				.25 .22	NO NO		 115	
B 529E			P17-K P49-42A	200 168				.22 .19	NO NO		115 132	
B 529X			SHLD B529 P49-42B	 168								
B 530	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 530A	1		SHLD B529 P17-N	 200				.25 .22	NO NO		 115	
B 530E			P17-M P49-43A	200 168				.22 .19	NO NO		115 132	
B 530X			SHLD B530 P49-43B	 168								
B 531	118				4.00 .52	3.75 .23				B,6B	120,119 120, 97, 98	
B 531A	1		SHLD B531 P17-R	 200				.25 .22	NO NO		 115	
B 531E			P17-P P128B-17A	200 167				.22 .11	NO NO		115 96	
B 531X			SHLD B531 P128B-17B	 167								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 532	1		P17-M* P34-PP	200 188				.22 .22	NO NO		115 115	
B 533	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 533B	1		P115D-31 SHLD B533	77				.12 .25	NO NO		113	
B 533L			P19-C P115D-1C	24 77				.22 .12	NO NO		114 113	
B 533R			P19-B P115D-9	24 77				.22 .12	NO NO		114 113	
B 534	1		P20-BB P99-R*	201 186				.22 .22	NO NO		115 115	
B 535	1		P20-LL P99-R	201 186				.22 .22	NO NO		115 115	
B 536	1		P20-FF P129A-3	201 174A				.22 .12	NO NO		115 113	
B 537	1		P20-MM P99-J	201 186				.22 .22	NO NO		115 115	
B 538	1		P20-GG P99-M	201 186				.22 .22	NO NO		115 115	
B 539	1		P20-JJ P130B-9	201 179B				.22 .12	NO NO		115 113	
B 540	1		P20-KK P99-W	201 186				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 541	3		P20-PP P115D-32	201 55				.22 .12	NO NO		115 138	
B 542	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 542B	1		P116D-32 SHLD B542	55				.12 .25	NO NO		113	
B 542L			P20-Z P116D-1C	201 55				.22 .12	NO NO		115 113	
B 542R			P20-Y P116D-9	201 55				.22 .12	NO NO		115 113	
B 543	3		P20-CC P129F-21	201 23F				.22 .12	NO NO		115 113	
B 544	1		P20-A* P34-D	201 188				.22 .22	NO NO		115 115	
B 545	1		P20-X* P129F-26	201 23F				.22 .12	NO NO		115 113	
B 546	1		P20-Y* P129F-25	201 23F				.22 .12	NO NO		115 113	
B 547	1		P20-Z* P129D-24	201 174D				.22 .12	NO NO		115 113	
B 548	1		P20-AA P129D-23	201 174D				.22 .12	NO NO		115 113	
B 549	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 549A	1		SHLD B549 P21-Y	 202				.25 .29	NO NO		 127	
B 549L			P21-Y P23-E	 17				.29 .22	NO NO		 117	
B 549R			P21-X P23-D	202 17				.22 .22	NO NO		115 117	
B 550	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 550A	1		SHLD B550 P21-A*	 202				.25 .29	NO NO		 127	
B 550L			P21-A* P23-C	202 17				.29 .22	NO NO		 117	
B 550R			P21-Z P23-B	202 17				.22 .22	NO NO		115 117	
B 551	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 551A	1		SHLD B551 P21-C*	 202				.25 .29	NO NO		 127	
B 551L			P21-C* P95-E	202 89				.29 .22	NO NO		 117	
B 551R			P21-B* P95-D	202 89				.22 .20	NO NO		115 117	
B 552	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 552A	1		SHLD B552 P21-E*	 202				.25 .29	NO NO		 127	
B 552L			P21-E* P95-C	202 89				.29 .22	NO NO			
B 552R			P21-D* P95-B	202 231				.22 .20	NO NO		115 117	
B 553	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 553A	1		SHLD B553 E321-B	 204				.25 .25	NO NO			
B 553L			P21-B P91-U*	202 173				.22 .22	NO NO		115 115	
B 553R			P21-A P91-U	202 173				.22 .22	NO NO		115 115	
B 554	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 554B	1		P117A-32 SHLD B554	36				.12 .25	NO NO		138	
B 554L			P21-G* P117A-16	202 36				.22 .12	NO NO		115 113	
B 554R			P21-F* P117A-15	202 36				.22 .12	NO NO		115 113	
B 555	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 103 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 555B	1		P115D-18 SHLD B555	77				.12 .25	NO NO		138	
B 555L			P21-P* P115D-18	202 77				.22 .12	NO NO		115	
B 555R			P21-N* P115D-17	202 77				.22 .12	NO NO		115 113	
B 555Y			P21-Q* P117D-3	202 77				.22 .12	NO NO		115 113	
B 556	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 556A	1		SHLD B556 E321-B	 204				.25 .25	NO NO			
B 556L			P21-V P99-A	202 186				.22 .22	NO NO		115 115	
B 556R			P21-W P99-B	202 186				.22 .22	NO NO		115 115	
B 557	1		P21-U P129B-15	202 174B				.22 .12	NO NO		115 113	
B 558	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 558B	1		E322-B SHLD B558	177				.25 .25	NO NO			
B 558L			P21-D P129B-14	202 174B				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 104 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 558R			P21-C P129B-13	202 174B				.22 .12	NO NO		115 113	
B 559	1		P21-V* P129E-27	202 23E				.22 .12	NO NO		115 113	
B 560	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 560B	1		TB6-4 SHLD B560	238				.20 .25	NO NO		74	
B 560L			P22-S TB6-4	205 238				.22 .20	NO NO		117 74	
B 560R			P22-R TB6-8	205 242				.22 .20	NO NO		117 74	
B 561	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 561B	1		TB6-2 SHLD B561	236				.20 .25	NO NO		74	
B 561L			P22-P TB6-2	205 236				.22 .20	NO NO		117 74	
B 561R			P22-N TB5-6	205 232				.22 .20	NO NO		117 73	
B 562	142										120 120	
B 562L			P22-K TB8-9	205 207				.22 .20	NO NO		117 74	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 105 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 562R			P22-J TB7-10	205 216				.22 .20	NO NO		117 74	
B 563	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 563B	1		P115A-16 SHLD B563	78				.12 .22	NO NO			
B 563L			P22-M P115A-16	205 78				.22 .12	NO NO		117 138	
B 563R			P22-L P115A-15	205 78				.22 .12	NO NO		117 113	
B 564	2		P22-A P126F-29	205 30				.22 .22	NO NO		117 138	
B 565	2		P23-A P126E-32	17 31				.22 .22	NO NO		117 138	
B 566	2		P24-EE TB7-1	196 224				.22 .20	NO NO		127 74	
B 567	2		P24-FF TB8-1	196 215				.22 .20	NO NO		127 74	
B 568												
B 568K	1		P24-PP TB6-1	196 235				.22 .20	NO NO		115 74	
B 568L	1		P24-LL TB5-2	196 229				.22 .20	NO NO		115 73	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 106 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 568R	1		P24-NN TB5-1	196 228				.22 .20	NO NO		115 73	
B 568Y	1		P24-MM TB5-3	196 230				.22 .20	NO NO		115 73	
B 569	1		P24-Q* P37-E*	196 38				.22 .22	NO NO		115 115	
B 570	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 570A	1		SHLD B570 TB6-3	 237				.25 .20	NO NO		 74	
B 570L			P24-HH TB6-3	196 237				.22 .20	NO NO		115 74	
B 570R			P24-GG TB5-6	196 232				.22 .20	NO NO		115 73	
B 571	1		P24-A* P130B-5	196 179B				.22 .12	NO NO		115 113	
B 572	1		P24-R P99-Q*	196 186				.22 .22	NO NO		115 115	
B 573	1		P24-P P99-W*	196 186				.22 .22	NO NO		115 115	
B 574	1		P24-D* P99-G*	196 186				.22 .22	NO NO		115 115	
B 575	1		P24-I* P36-H*	196 181				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 576	1		P24-Z* P92-V	196 183				.22 .22	NO NO		115 115	
B 577	1		P24-Y* P92-U	196 183				.22 .22	NO NO		115 115	
B 578	1		P24-X* P92-T	196 183				.22 .22	NO NO		115 115	
B 579	1		P24-BB P92-R	196 183				.22 .22	NO NO		115 115	
B 580	1		P24-AA P92-S	196 183				.22 .22	NO NO		115 115	
B 581	1		P24-W* P96-A*	196 182				.22 .22	NO NO		115 115	
B 582	1		P24-V* P96-B*	196 182				.22 .22	NO NO		115 115	
B 583	1		P24-U* P96-C*	196 182				.22 .22	NO NO		115 115	
B 584	1		P24-JJ P92-X	196 183				.22 .22	NO NO		115 115	
B 585	1		P24-B P129E-32	196 23E				.22 .12	NO NO		115 113	
B 586	2		P24-A P126F-31	196 30				.22 .22	NO NO		127 138	
B 587	7				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 587A	1		SHLD B587 P129E-32	 23E				.25 .12	NO NO			
B 587L			P24-K* P98-X*	196 187				.22 .22	NO NO		115 115	
B 587R			P24-J* P98-W*	196 187				.22 .22	NO NO		115 115	
B 588	1		P24-CC P114A-9	196 38				.22 .12	NO NO		115 113	
B 589	1		P24-DD P114A-10	196 38				.22 .12	NO NO		115 113	
B 590	1		P24-D P34-Y*	196 188				.22 .22	NO NO		115 115	
B 591	1		P24-C P130E-3	199 22E				.22 .12	NO NO		115 113	
B 592	1		P24-V TB4-10	196 227				.22 .20	NO NO		115 73	
B 593	1		P24-Z P129D-15	196 174D				.22 .12	NO NO		115 113	
B 594	1		P24-G* P130D-3	196 179D				.22 .12	NO NO		115 113	
B 595	1		P24-M* P37-D*	196 251				.22 .22	NO NO		115 115	
B 596	1		P24-T* P130B-7	196 179B				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 597	1		P24-KK P129A-7	196 174A				.22 .12	NO NO		115 113	
B 598	1		P25-B* P99-A*	195 186				.22 .22	NO NO		115 115	
B 599	1		P25-C* P104D-27	195 70				.22 .12	NO NO		115 113	
B 600	1		P25-D* P104D-28	195 70				.22 .12	NO NO		115 113	
B 601	1		P25-Z P34-V	195 188				.22 .22	NO NO		115 115	
B 602	3		P25-S P129A-21	195 174				.22 .12	NO NO		115 113	
B 603	1		P25-W P90-D	195 21				.22 .20	NO YES		115	
B 604	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 604A	1		SHLD B604 E328-B	 175				.25 .25	NO NO			
B 604L			P25-Y P97-F	195 116				.22 .22	NO NO		115 114	
B 604R			P25-X P97-E	195 116				.22 .22	NO NO		115 114	
B 605	1		P25-T* P129A-27	195 174A				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 606	1		P25-CC P61-5	195 123				.22 .19	NO NO		115 134	
B 607	1		P25-DD P121D-29	195 72				.22 .12	NO NO		115 113	
B 608	3		P25-FF P129A-25	195 174A				.22 .12	NO NO		115 113	
B 609	3		P25-GG P129A-26	195 174A				.22 .12	NO NO		115 113	
B 610	3		P25-HH P130C-9	195 179C				.22 .12	NO NO		115 113	
B 611	3		P25-JJ P130C-10	195 179C				.22 .12	NO NO		115 113	
B 612	3		P25-KK P129A-24	195 174A				.22 .12	NO NO		115 113	
B 613	3		P25-LL P129A-23	195 174A				.22 .12	NO NO		115 113	
B 614	1		P25-MM P27-GG	195 185				.22 .22	NO NO		115 115	
B 615	140										120 120	
B 615L			P26-V P129E-20	194 23E				.22 .12	NO NO		115 113	
B 615R			P26-U P129E-19	194 23E				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 111 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 616	1		P25-BB P115D-22	195 78				.22 .12	NO NO		115 113	
B 617	118				4.00 .52	3.75 .23				B,6B A,10	120,119 92, 94	
B 617A	1		SHLD B617 P26-S	 194				.25 .22	NO NO		 115	
B 617E			P26-R P93-F1	194 130				.22 .11	NO NO		115 90	
B 617X			SHLD B617 P93-F2	 130								
B 618	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 618B	1		P120D-31 SHLD B618	33				.22 .25	NO NO		113	
B 618L			P26-MM P120D-8	194 33				.22 .12	NO NO		115 113	
B 618R			P26-LL P120D-7	194 33				.22 .12	NO NO		115 113	
B 619	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 619B	1		P104D-31 SHLD B619	68				.12 .25	NO NO		113	
B 619L			P26-I* P104D-16	194 68				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 112 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 619R			P26-H* P104D-15	194 68				.22 .12	NO NO		115 113	
B 620	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 620B	1		P109D-31 SHLD B620	79				.12 .25	NO NO		113	
B 620L			P26-P P109D-20	194 79				.22 .12	NO NO		115 113	
B 620R			P26-N P109D-19	194 79				.22 .12	NO NO		115 113	
B 621	143				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 621A	1		SHLD B621 E313-B	 4				.25 .25	NO NO			
B 621L			P26-B P37-KK	194 251				.22 .22	NO NO		115 115	
B 621R			P26-A P37-LL	194 251				.22 .22	NO NO		115 115	
B 621Y			P26-C P37-JJ	194 251				.22 .22	NO NO		115 115	
B 622	1		P26-BB P110A-19	194 63				.22 .12	NO NO		115 113	
B 623	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 113 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 623B	1		E300-B SHLD B623	43				.25 .25	NO NO			
B 623L			P26-X P108A-18	194 46				.22 .12	NO NO		115 113	
B 623R			P26-W P108A-17	194 46				.22 .12	NO NO		115 113	
B 624			DELETED									
B 625	1		P26-U* P102A-1	194 50				.22 .12	NO NO		115 113	
B 626	1		P27-H* P48-R*	185 169				.22 .22	NO NO		115 115	
B 627	1		P27-I* P48-S*	185 169				.22 .22	NO NO		115 115	
B 628	1		P27-J* P48-R	185 169				.22 .22	NO NO		115 115	
B 629	1		P27-K* P48-S	185 169				.22 .22	NO NO		115 115	
B 630	1		P27-M* P48-V	185 169				.22 .22	NO NO		115 115	
B 631	1		P27-N* P48-W	185 169				.22 .22	NO NO		115 115	
B 632	1		P27-P* P48-Q*	185 169				.22 .22	NO NO		115 115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 114 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 633	1		P27-Q* P48-DD	185 169				.22 .22	NO NO		115 115	
B 634	1		P27-T* P48-M*	185 169				.22 .22	NO NO		115 115	
B 635	1		P27-U* P48-P*	185 169				.22 .22	NO NO		115 115	
B 636	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 636A	1		SHLD B636 P27-W*	 185				.25 .22	NO NO		 115	
B 636E			P27-V* P126A-19A	185 171				.22 .11	NO NO		115 96	
B 636X			SHLD B636 P128A-19B	 171								
B 637	1		P27-JJ P130B-3	185 179B				.22 .12	NO NO		115 113	
B 638	1		P27-LL P48-HH	185 169				.22 .22	NO NO		115 115	
B 639	1		P27-MM P48-PP	185 169				.22 .22	NO NO		115 115	
B 640	1		P27-NN P130D-1	185 179D				.22 .12	NO NO		115 113	
B 641	1		P27-PP P31-LL	185 191				.22 .22	NO NO		115 115	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 115 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 642	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 642B	1		E323-B SHLD B642	128				.25 .25	NO NO			
B 642L			P28-C P65-M*	113 131				.22 .22	NO NO		115 115	
B 642R			P28-B P65-M	113 131				.22 .22	NO NO		115 115	
B 643	1		P28-D P103D-32	113 84				.22 .12	NO NO		115 138	
B 644	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 644B	1		E334-B SHLD B644	124				.25 .25	NO NO			
B 644L			P29-C P116A-26	111 58				.22 .12	NO NO		115 113	
B 644R			P29-B P116A-25	111 58				.22 .12	NO NO		115 113	
B 645	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 645B	1		E334-B SHLD B645	56				.25 .25	NO NO			
B 645L			P29-G P116A-8	111 58				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 116 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 645R			P29-F P116A-7	111 58				.22 .12	NO NO		115 113	
B 646	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 646B	1		E306-B SHLD B646	57				.25 .25	NO NO			
B 646L			P29-E P116A-14	111 58				.22 .12	NO NO		115 113	
B 646R			P29-D P116A-13	111 58				.22 .12	NO NO		115 113	
B 647	9				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 647B	1		TB9-9 SHLD B647	97				.20 .25	NO NO		74	
B 647L			P30-E TB9-9	112 97				.22 .20	NO NO		117 74	
B 647R			P30-D TB9-6	112 100				.22 .20	NO NO		117 74	
B 648	2		P30-A P126E-30	112 30				.22 .22	NO NO		117 138	
B 649	1		P31-MM P99-C*	191 186				.22 .22	NO NO		115 115	
B 650	1		P31-NN P99-H*	191 186				.22 .22	NO NO		115 115	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 117 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 651	1		P31-V* P99-D*	191 186				.22 .22	NO NO		115 115	
B 652	1		P31-W* P99-J*	191 186				.22 .22	NO NO		115 115	
B 653	1		P31-HH P99-E*	191 186				.22 .22	NO NO		115 115	
B 654	1		P31-JJ P99-I*	191 186				.22 .22	NO NO		115 115	
B 655	1		P31-BB P98-K	191 187				.22 .22	NO NO		115 115	
B 656	3		P31-X* P99-DD	191 186				.22 .22	NO NO		115 115	
B 657	1		P31-Q* P98-B	191 187				.22 .22	NO NO		115 115	
B 658	1		P31-D P98-A	191 187				.22 .22	NO NO		115 115	
B 659	1		P31-J* P34-W*	191 188				.22 .22	NO NO		115 115	
B 660	1		P31-H* P34-P*	191 188				.22 .22	NO NO		115 115	
B 661	1		P31-G* P34-T*	191 188				.22 .22	NO NO		115 115	
B 662	1		P31-A P98-E*	191 187				.22 .22	NO NO		115 115	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 118 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 663	1		P31-B* P98-F*	191 187				.22 .22	NO NO		115 115	
B 664	1		P31-A* P34-R*	191 188				.22 .22	NO NO		115 115	
B 665	1		P31-Z P34-U*	191 188				.22 .22	NO NO		115 115	
B 666	1		P31-Y P98-D*	191 187				.22 .22	NO NO		115 115	
B 667	1		P31-J P34-X*	191 188				.22 .22	NO NO		115 115	
B 668	1		P31-T P98-M	191 187				.22 .22	NO NO		115 115	
B 669	1		P31-S P98-Y	191 187				.22 .22	NO NO		115 115	
B 670	1		P31-L P98-X	191 187				.22 .22	NO NO		115 115	
B 671	1		P31-B P98-Z	191 187				.22 .22	NO NO		115 115	
B 672	1		P31-W P98-B*	191 187				.22 .22	NO NO		115 115	
B 673	1		P31-V P98-A*	191 187				.22 .22	NO NO		115 115	
B 674	1		P31-P* P130F-1	191 22F				.22 .22	NO NO		115 115	

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SCALE-NONE | REV LTR H | SHEET 119 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 675	1		P31-GG P36-V	191 184				.22 .22	NO NO		115 115	
B 676	1		P31-DD P92-D*	191 183				.22 .22	NO NO		115 115	
B 677	1		P31-KK P92-E*	191 183				.22 .22	NO NO		115 115	
B 678	1		P31-E P92-C*	191 183				.22 .22	NO NO		115 115	
B 679	1		P31-PP P92-J*	191 183				.22 .22	NO NO		115 115	
B 680	3		P31-M E301-B	191 39				.22 .25	NO NO		115	
B 681	1		P31-P P98-G	191 187				.22 .22	NO NO		115 115	
B 682	1		P31-R P98-C*	191 187				.22 .22	NO NO		115 115	
B 683	1		P31-U P98-H	191 187				.22 .22	NO NO		115 115	
B 684	1		P31-X P98-N	191 187				.22 .22	NO NO		115 115	
B 685	1		P31-C* P98-J	191 187				.22 .22	NO NO		115 115	
B 686	1		P31-D* P121A-23	191 74				.22 .22	NO NO		115 115	

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SCALE-NONE | REV LTR H | SHEET 120 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 687	1		P31-E* P129E-24	191 23E				.22 .12	NO NO		115 113	
B 688	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 688B	1		E329-B SHLD B688	44				.25 .25	NO NO			
B 688L			P32-A* P108A-24	190 46				.22 .12	NO NO		115 113	
B 688R			P32-A P108A-23	190 46				.22 .12	NO NO		115 113	
B 689	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 689B	1		E324-B SHLD B689	180				.25 .25	NO NO			
B 689L			P32-P P36-V*	190 181				.22 .22	NO NO		115 115	
B 689R			P32-R P36-S*	190 181				.22 .22	NO NO		115 115	
B 690	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 690B	1		E324-B SHLD B690	180				.25 .25	NO NO			
B 690L			P32-DD P36-U*	190 181				.22 .22	NO NO		115 115	

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SCALE-NONE | REV LTR H | SHEET 121 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 690R			P32-EE P36-R*	190 181				.22 .22	NO NO		115 115	
B 691	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 691B	1		E324-B SHLD B691	180				.25 .25	NO NO			
B 691L			P32-V* P36-T*	190 181				.22 .22	NO NO		115 115	
B 691R			P32-U* P36-P*	190 181				.22 .22	NO NO		115 115	
B 692	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 692B	3		E325-B SHLD B692	67				.25 .25	NO NO			
B 692L			P32-R* P107A-17	190 65				.22 .12	NO NO		115 113	
B 692R			P32-Q* P107A-19	190 65				.22 .12	NO NO		115 113	
B 693	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 693B	3		E325-B SHLD B693	67				.25 .25	NO NO			
B 693L			P32-P* P107A-11	190 65				.22 .12	NO NO		115 113	

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SCALE-NONE | REV LTR H | SHEET 122 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 693R			P32-N* P107A-13	190 65				.22 .12	NO NO		115 113	
B 694	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 694B	3		E325-B SHLD B694	67				.25 .25	NO NO			
B 694L			P32-T P107A-10	190 65				.22 .12	NO NO		115 113	
B 694R			P32-S P107A-9	190 65				.22 .12	NO NO		115 113	
B 695	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 695B	3		E325-B SHLD B695	67				.25 .22	NO NO			
B 695L			P32-V P107A-16	190 65				.22 .12	NO NO		115 113	
B 695R			P32-U P107A-15	190 65				.22 .12	NO NO		115 113	
B 696	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 696B	3		E325-B SHLD B696	67				.25 .25	NO NO			
B 696L			P32-T* P107A-23	190 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 696R			P32-S* P107A-25	190 65				.22 .12	NO NO		115 113	
B 697	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 697B	3		E325-B SHLD B697	67				.25 .25	NO NO			
B 697L			P32-X P107A-22	190 65				.22 .12	NO NO		115 113	
B 697R			P32-W P107A-21	190 65				.22 .12	NO NO		115 113	
B 698	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 698B	1		E330-B SHLD B698	76				.25 .22	NO NO			
B 698L			P32-MM P118A-10	190 75				.22 .12	NO NO		115 113	
B 698R			P32-PP P118A-9	190 75				.22 .12	NO NO		115 113	
B 699	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 699B	1		E330-B SHLD B699	76				.25 .25	NO NO			
B 699L			P32-FF P118A-18	190 75				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 699R			P32-NN P118A-17	190 75				.22 .12	NO NO		115 113	
B 700	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 700B	1		E330-B SHLD B700	76				.25 .25	NO NO			
B 700L			P32-Z P118A-16	190 75				.22 .12	NO NO		115 113	
B 700R			P32-Y P118A-15	190 75				.22 .12	NO NO		115 113	
B 701	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 701B	1		E326-B SHLD B701	66				.25 .25	NO NO			
B 701L			P32-C* P107A-30	190 65				.22 .12	NO NO		115 113	
B 701R			P32-C P107A-29	190 65				.22 .12	NO NO		115 113	
B 702	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 702B	1		E302-B SHLD B702	40				.25 .25	NO NO			
B 702L			P32-F* P108D-20	190 45				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 702R			P32-F P108D-19	190 45				.22 .12	NO NO		115 113	
B 703	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 703B	1		E329-B SHLD B703	44				.25 .25	NO NO			
B 703L			P32-H* P108A-6	190 46				.22 .12	NO NO		115 113	
B 703R			P32-H P108A-5	190 46				.22 .12	NO NO		115 113	
B 704	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 704B	1		E302-B SHLD B704	40				.25 .25	NO NO			
B 704L			P32-M* P108D-8	190 45				.22 .12	NO NO		115 113	
B 704R			P32-M P108D-7	190 45				.22 .12	NO NO		115 113	
B 705	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 705B	1		E329-B SHLD B705	44				.25 .25	NO NO			
B 705L			P32-B P108A-28	190 46				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 705R			P32-B* P108A-27	190 40				.22 .12	NO NO		115 113	
B 706	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 706B	1		E326-B SHLD B706	44				.25 .12	NO NO			
B 706L			P32-D* P107A-28	190 65				.22 .12	NO NO		115 113	
B 706R			P32-D P107A-27	190 65				.22 .12	NO NO		115 113	
B 707	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 707B	1		E329-B SHLD B707	44				.25 .25	NO NO			
B 707L			P32-G* P108A-21	190 46				.22 .12	NO NO		115 113	
B 707R			P32-G P108A-22	190 46				.22 .12	NO NO		115 113	
B 709	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 709B	1		E329-B SHLD B709	44				.25 .25	NO NO			
B 709L			P32-J* P108A-4	190 46				.22 .12	NO NO		115 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 709R			P32-J P108A-3	190 46				.22 .12	NO NO		115 113	
B 711	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 711B	1		P105A-32 SHLD B711	48				.12 .25	NO NO		113 113	
B 711L			P32-Z* P105A-28	190 48				.22 .12	NO NO		115 113	
B 711R			P32-Y* P105A-27	190 48				.22 .12	NO NO		115 113	
B 712L			DELETED									
B 713	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 713B	1		E302-B SHLD B713	40				.25 .25	NO NO			
B 713L			P32-AA P108D-14	190 45				.22 .12	NO NO		115 113	
B 713R			P32-BB P108D-13	190 45				.22 .12	NO NO		115 113	
B 714	2		P33-E TB8-3	189 213				.22 .20	NO NO		127 74	
B 715	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 715B	1		E329-B SHLD B715	44				.25 .25	NO NO			
B 715L			P32-LL P108A-10	190 46				.22 .12	NO NO		115 113	
B 715R			P32-KK P108A-9	190 46				.22 .12	NO NO		115 113	
B 716	2		P33-D TB7-4	189 222				.22 .20	NO NO		127 74	
B 717	3		P33-B TB1-2	189 165				.22 .20	NO NO		115 73	
B 718	3		P33-X TB2-2	189 156				.22 .20	NO NO		115 74	
B 719	2		P33-A P126F-26	189 30				.22 .22	NO NO		127 138	
B 720	3		P33-C TB3-2	189 154				.22 .20	NO NO		115 73	
B 721	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 721B	1		P115A-18 SHLD B721	78				.12 .25	NO NO			
B 721L			P33-J P115A-18	189 78				.22 .12	NO NO		115 138	
B 721R			P33-H P115A-17	189 78				.22 .12	NO NO		115 113	

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CODE IDENT NO. 99974
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 721Y			P33-G P117A-3	189 36				.22 .12	NO NO		115 113	
B 722	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 722B	1		P129A-32 SHLD B722	174A				.12 .22	NO NO			
B 722L			P33-L P129A-20	189 174A				.22 .12	NO NO		115 113	
B 722R			P33-K P129A-19	189 174A				.22 .12	NO NO		115 113	
B 723	1		P33-M P34-Z*	189 188				.22 .22	NO NO		115 115	
B 724	1		P33-N P34-AA	189 188				.22 .22	NO NO		115 115	
B 725	1		P33-P P34-BB	189 188				.22 .22	NO NO		115 115	
B 726	1		P33-S P129A-15	189 174A				.22 .12	NO NO		115 113	
B 727	1		P33-F P129A-5	189 174A				.22 .12	NO NO		115 113	
B 728	1		P33-Y P130A-3	189 179A				.22 .12	NO NO		115 113	
B 729	1		P33-A* P129A-29	189 174A				.22 .12	NO NO		115 113	

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SHEET 130 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 73C	1		P33-U* P129A-30	189 174A				.22 .12	NO NO		115 113	
B 731	1		P34-U T35-3	188 230				.22 .20	NO NO		115 73	
B 732	2		P34-W T37-3	188 223				.22 .20	NO NO		127 74	
B 733	2		P34-X T36-2	188 214				.22 .20	NO NO		127 74	
B 734	1		P34-J* P36-M	188 181				.22 .22	NO NO		115 115	
B 735	1		P34-H* P36-W	188 181				.22 .22	NO NO		115 115	
B 736	2		P34-A P126F-25	188 30				.22 .22	NO NO		127 138	
B 737	1		P34-B* P129A-11	188 174A				.22 .12	NO NO		115 113	
B 738	1		P34-C* P129A-12	188 174A				.22 .12	NO NO		115 113	
B 739	1		P34-M P129B-5	188 174B				.22 .12	NO NO		115 113	
B 740	3		P34-P P129B-21	188 174B				.22 .12	NO NO		115 113	
B 741	1		P34-Y T34-9	188 226				.22 .20	NO NO		115 73	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 131 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 742	1		P34-Z P90-C	188 [illegible]				.22 .20	NO YES		115	
B 743	1		P34-I* P96-LL	188 182				.22 .22	NO NO		115 115	
B 744	1		P34-M* P120D-2	188 33				.22 .12	NO NO		115 113	
B 745	1		P34-CC P65-KK	188 131				.22 .22	NO NO		115 115	
B 746	1		P34-DD P65-LL	188 131				.22 .22	NO NO		115 115	
B 747	1		P34-EE P65-JJ	188 131				.22 .22	NO NO		115 115	
B 748	1		P34-FF P65-FF	188 131				.22 .22	NO NO		115 115	
B 749	1		P34-GG P65-GG	188 131				.22 .22	NO NO		115 115	
B 75C	1		P34-HH P65-HH	188 131				.22 .22	NO NO		115 115	
B 751	1		P34-K P129A-17	188 174A				.22 .12	NO NO		115 113	
B 752	1		P34-F P130C-3	188 179C				.22 .12	NO NO		115 113	
B 753	1		P34-J P121A-25	188 74				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 132 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 754	1		P34-N P130C-5	188 179C				.22 .12	NO NO		115 113	
B 755	3		P34-A* P129B-27	188 174B				.22 .12	NO NO		115 113	
B 756	1		P34-D* P130A-5	188 179A				.22 .12	NO NO		115 113	
B 757	1		P34-KK P130D-1C	188 179D				.22 .12	NO NO		115 113	
B 758	1		P34-LL P130D-9	188 179D				.22 .12	NO NO		115 113	
B 759	1		P34-MM P129B-25	188 174B				.22 .12	NO NO		115 113	
B 760	1		P34-NN P129B-26	188 174B				.22 .13	NO NO		115 113	
B 761	2		P35-A P126F-24	184 30				.22 .22	NO NO		127 138	
B 762	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 762B	1		E331-B SHLD B762	69				.25 .25	NO NO			
B 762L			P35-Y P104A-16	184 70				.22 .12	NO NO		115 113	
B 762R			P35-Z P104A-15	184 70				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 133 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 763	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 763B	1		SHLD B763 P103A-31	 85				.25 .12	NO NO		 113	
B 763L			P35-E* P103A-28	184 85				.22 .12	NO NO		115 113	
B 763R			P35-F* P103A-27	184 85				.22 .12	NO NO		115 113	
B 764	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 764B	1		E312-B SHLD B764	178				.25 .25	NO NO			
B 764L			P35-V P129A-14	184 174A				.22 .12	NO NO		115 113	
B 764R			P35-U P129A-13	184 174A				.22 .12	NO NO		115 113	
B 765	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 765B	1		E322-B SHLD B765	177				.25 .25	NO NO			
B 765L			P35-R P129B-20	184 174B				.22 .12	NO NO		115 113	
B 765R			P35-P P129B-19	184 174B				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 134 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 766	1		P35-AA P110D-1	184 60				.22 .12	NO NO		115 113	
B 767	1		P35-M P62-51	184 125				.22 .19	NO NO		115 134	
B 768	1		P35-N P62-34	184 125				.22 .19	NO NO		115 134	
B 769	1		P35-Q* P114A-11	184 38				.22 .12	NO NO		115 113	
B 770	1		P35-J* P129B-24	184 174B				.22 .12	NO NO		115 113	
B 771	1		P35-K* P129B-23	184 174B				.22 .12	NO NO		115 113	
B 772	1		P35-M* P121D-25	184 72				.22 .12	NO NO		115 113	
B 775	1		P35-R* P114A-12	184 38				.22 .12	NO NO		115 113	
B 776	1		P36-P P98-L	181 187				.22 .22	NO NO		115 115	
B 777	1		P36-S P129D-5	181 174D				.22 .12	NO NO		115 113	
B 778	1		P36-U P98-V*	181 187				.22 .22	NO NO		115 115	
B 779	2		P36-T TB7-5	181 221				.22 .20	NO NO		115 74	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 135 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 780	1		P36-PP P106A-27	181 83				.22 .12	NO NO		115 113	
B 781	1		P36-NN P107D-3	181 64				.22 .12	NO NO		115 113	
B 782	1		P36-FF P110A-11	181 63				.22 .12	NO NO		115 113	
B 783	1		P36-KK P110A-17	181 63				.22 .12	NO NO		115 113	
B 784	1		P36-HH P110A-15	181 63				.22 .12	NO NO		115 113	
B 785	1		P36-D* P120D-13	181 33				.22 .12	NO NO		115 113	
B 786	1		P36-F* P120D-9	181 33				.22 .12	NO NO		115 113	
B 787	1		P36-B* P120D-14	181 33				.22 .12	NO NO		115 113	
B 788	1		P36-M* P98-T*	181 187				.22 .22	NO NO		115 115	
B 789	1		P36-I* P120D-10	181 33				.22 .12	NO NO		115 113	
B 790			DELETED									
B 791	1		P36-Z* P130A-7	181 179A				.22 .12	NO NO		115 113	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 136 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 792	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 792B	1		TB6-2 SHLD B792	236				.20 .25	NO NO		74	
B 792L			P37-F* TB6-2	251 236				.22 .20	NO NO		115 74	
B 792R			P37-G* TB5-8	251 234				.22 .20	NO NO		115 73	
B 793	2		P37-GG TB8-8	251 246				.22 .20	NO NO		127 74	
B 794	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 794B	1		P103D-32 SHLD B794	84				.12 .25	NO NO			
B 794L			P37-X P103D-26	251 84				.22 .12	NO NO		115 113	
B 794R			P37-Y P103D-25	251 84				.22 .12	NO NO		115 113	
B 795	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 795B	1		P120D-32 SHLD B795	33				.12 .22	NO NO		138	
B 795L			P37-V P120D-16	251 33				.22 .12	NO NO		115 113	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 137 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 795R			P37-U P120D-15	251 33				.22 .12	NO NO		115 113	
B 797	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 797B	1		P120D-32 SHLD B797	33				.12 .25	NO NO			
B 797L			P37-T P120D-18	251 33				.22 .12	NO NO		115 113	
B 797R			P37-S P120D-17	251 33				.22 .12	NO NO		115 113	
B 799	1		P37-FF P99-HH	251 186				.22 .22	NO NO		115 115	
B 800	1		P37-N P120D-3	251 33				.22 .12	NO NO		115 113	
B 801	1		P37-P P120D-4	251 33				.22 .12	NO NO		115 113	
B 802	1		P37-W P129E-15	251 23E				.22 .12	NO NO		115 113	
B 803	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 803A	1		SHLD B803 E338-B	 8				.25 .25	NO NO			
B 803L			J19-S* P37-G	7 251				.22 .22	NO NO		126 127	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 138 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 803R			J19-A P37-J	7 251				.22 .22	NO NO		126 127	
B 805	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 805A	1		SHLD B805 E338-B	 8				.25 .25	NO NO			
B 805L			J19-T* P37-H	7 251				.22 .22	NO NO		126 127	
B 805R			J19-B P37-F	7 251				.22 .22	NO NO		126 127	
B 807	3		P37-G* P129E-21	251 23E				.22 .12	NO NO		115 113	
B 808	1		P37-EE P130F-5	251 22F				.22 .12	NO NO		115 113	
B 809	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 809B	1		TB9-10 SHLD B809	96				.20 .25	NO NO		74	
B 809L			P38-E TB9-10	104 96				.22 .20	NO NO		117 74	
B 809F			P38-D TB9-7	104 99				.22 .20	NO NO		117 74	
B 810	2		P38-A P126E-27	104 31				.22 .22	NO NO		117 138	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 811	3		P38-F P63-X*	104 137				.22 .22	NO NO		117 115	
B 812	3		P38-G P63-Y*	104 137				.22 .22	NO NO		117 115	
B 813	3		P38-H P63-W*	104 137				.22 .22	NO NO		117 115	
B 814	1		P38-C TB9-2	104 102				.22 .20	NO NO		117 74	
B 815	1		P39-A P64-B	105 134				.22 .22	NO NO		115 115	
B 816	1		P39-B P64-C	105 134				.22 .22	NO NO		115 115	
B 817	1		P39-S P64-U	105 134				.22 .22	NO NO		115 115	
B 818	1		P39-T P64-V	105 134				.22 .22	NO NO		115 115	
B 819	1		P39-C P64-N	105 134				.22 .22	NO NO		115 115	
B 820	1		P39-D P64-D	105 134				.22 .22	NO NO		115 115	
B 821	1		P39-E P64-E	105 134				.22 .22	NO NO		115 115	
B 822	1		P39-F P64-F	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 823	1		P39-G P64-G	105 134				.22 .22	NO NO		115 115	
B 824	1		P39-H P64-H	105 134				.22 .22	NO NO		115 115	
B 825	1		P39-J P64-J	105 134				.22 .22	NO NO		115 115	
B 826	1		P39-K P64-K	105 134				.22 .22	NO NO		115 115	
B 827	1		P39-L P64-L	105 134				.22 .22	NO NO		115 115	
B 828	1		P39-M P64-M	105 134				.22 .22	NO NO		115 115	
B 829	1		P39-N P64-P	105 134				.22 .22	NO NO		115 115	
B 830	1		P39-P P64-W	105 134				.22 .22	NO NO		115 115	
B 831	1		P39-R P64-X	105 134				.22 .22	NO NO		115 115	
B 832	1		P39-U P64-H*	105 134				.22 .22	NO NO		115 115	
B 833	1		P39-V P64-Y	105 134				.22 .22	NO NO		115 115	
B 834	1		P39-W P64-Z	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 835	1		P39-X P64-A*	105 134				.22 .22	NO NO		115 115	
B 836	1		P39-Y P64-B*	105 134				.22 .22	NO NO		115 115	
B 837	1		P39-Z P64-C*	105 134				.22 .22	NO NO		115 115	
B 838	1		P39-A* P64-D*	105 134				.22 .22	NO NO		115 115	
B 839	1		P39-B* P64-E*	105 134				.22 .22	NO NO		115 115	
B 840	1		P39-C* P64-F*	105 134				.22 .22	NO NO		115 115	
B 841	1		P39-D* P64-G*	105 134				.22 .22	NO NO		115 115	
B 842	1		P39-E* P64-I*	105 134				.22 .22	NO NO		115 115	
B 843	1		P39-F* P64-U*	105 134				.22 .22	NO NO		115 115	
B 844	1		P39-G* P64-T*	105 134				.22 .22	NO NO		115 115	
B 845	1		P39-H* P64-S*	105 134				.22 .22	NO NO		115 115	
B 846	1		P39-I* P64-R*	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 847	1		P39-J*	105				.22	NO		115	
			P64-Q*	134				.22	NO		115	
B 848	1		P39-K*	105				.22	NO		115	
			P64-P*	134				.22	NO		115	
B 849	1		P39-M*	105				.22	NO		115	
			P64-N*	134				.22	NO		115	
B 850	1		P39-N*	105				.22	NO		115	
			P64-M*	134				.22	NO		115	
B 851	1		P39-R*	105				.22	NO		115	
			P116D-20	55				.12	NO		113	
B 852	1		P40-N	106				.22	NO		115	
			P65-AA	131				.22	NO		115	
B 853	1		P40-P	106				.22	NO		115	
			P65-BB	131				.22	NO		115	
B 854	1		P40-S	106				.22	NO		115	
			P63-A*	131				.22	NO		115	
B 855	1		P40-T	106				.22	NO		115	
			P63-B*	131				.22	NO		115	
B 856	1		P40-U	106				.22	NO		115	
			P63-C*	137				.22	NO		115	
B 857	1		P40-V	106				.22	NO		115	
			P63-D*	137				.22	NO		115	
B 858	1		P40-W	106				.22	NO		115	
			P63-E*	137				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 143 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 859	1		P40-X	106				.22	NO		115	
			P63-F*	137				.22	NO		115	
B 860	1		P40-Y	106				.22	NO		115	
			P63-G*	137				.22	NO		115	
B 861	1		P40-Z	106				.22	NO		115	
			P63-H*	137				.22	NO		115	
B 862	1		P40-A*	106				.22	NO		115	
			P63-I*	137				.22	NO		115	
B 863	1		P40-C*	106				.22	NO		115	
			P63-Z	137				.22	NO		115	
B 864	1		P40-D*	106				.22	NO		115	
			P63-Y	137				.22	NO		115	
B 865	1		P40-E*	106				.22	NO		115	
			P63-X	137				.22	NO		115	
B 866	1		P40-F*	106				.22	NO		115	
			P63-W	137				.22	NO		115	
B 867	1		P40-G*	106				.22	NO		115	
			P63-V	137				.22	NO		115	
B 868	1		P40-H*	106				.22	NO		115	
			P63-U	137				.22	NO		115	
B 869	1		P40-I*	106				.22	NO		115	
			P63-T	137				.22	NO		115	
B 870	1		P40-J*	106				.22	NO		115	
			P63-S	137				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 144 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 871	1		P40-K*	106				.22	NO		115	
			P63-R	137				.22	NO		115	
B 872	1		P40-M*	106				.22	NO		115	
			P65-CC	131				.22	NO		115	
B 873	1		P40-T*	106				.22	NO		115	
			P64-R	134				.22	NO		115	
B 874	1		P40-B*	106				.22	NO		115	
			P47-J*	115				.22	NO		114	
B 875	1		P40-U*	106				.22	NO		115	
			P47-N*	115				.22	NO		114	
B 876	1		P40-V*	106				.22	NO		115	
			P47-F*	115				.22	NO		114	
B 877	1		P40-W*	106				.22	NO		115	
			P47-G*	115				.22	NO		114	
B 878	1		P40-X*	106				.22	NO		115	
			P47-K*	115				.22	NO		114	
B 879	1		P40-Y*	106				.22	NO		115	
			P47-W	115				.22	NO		114	
B 880	1		P40-Z*	106				.22	NO		115	
			P47-X	115				.22	NO		114	
B 881	1		P40-AA	106				.22	NO		115	
			P47-Z	115				.22	NO		114	
B 882	1		P40-BB	106				.22	NO		115	
			P47-A*	115				.22	NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 145 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 883	1		P40-CC	106				.22	NO		115	
			P47-M	115				.22	NO		114	
B 884	1		P40-DD	106				.22	NO		115	
			P47-P	115				.22	NO		114	
B 885	1		P40-EE	106				.22	NO		115	
			P47-S	115				.22	NO		114	
B 886	1		P40-FF	106				.22	NO		115	
			P47-V	115				.22	NO		114	
B 887	1		P40-GG	106				.22	NO		115	
			P47-H	115				.22	NO		114	
B 888	1		P40-HH	106				.22	NO		115	
			P47-J	115				.22	NO		114	
B 889	1		P40-JJ	106				.22	NO		115	
			P47-K	115				.22	NO		114	
B 890	1		P40-KK	106				.22	NO		115	
			P47-L	115				.22	NO		114	
B 891	1		P40-LL	106				.22	NO		115	
			P47-B	115				.22	NO		114	
B 892	1		P40-MM	106				.22	NO		115	
			P47-C	115				.22	NO		114	
B 893	1		P40-NN	106				.22	NO		115	
			P47-D	115				.22	NO		114	
B 894	1		P40-PP	106				.22	NO		115	
			P47-F	115				.22	NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 146 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 895	1		P40-N* P47-B*	106 115				.22 .22	NO NO		115 114	
B 896	1		P40-P* P47-C*	106 115				.22 .22	NO NO		115 114	
B 897	1		P40-Q* P47-D*	106 115				.22 .22	NO NO		115 114	
B 898	1		P40-R* P47-E*	106 115				.22 .22	NO NO		115 114	
B 899	1		P40-S* P47-M*	106 115				.22 .22	NO NO		115 114	
B 900	1		P41-A P116D-19	107 55				.22 .12	NO NO		115 113	
B 901	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 901A	1		SHLD B901 E323-B	 128				.25 .25	NO NO			
B 901L			P46-C P65-K*	117 131				.22 .22	NO NO		115 115	
B 901R			P46-B P65-K	117 131				.22 .22	NO NO		115 115	
B 902	1		P47-U P63-AA	115 137				.22 .22	NO NO		114 115	
B 903	1		P47-Y P63-Z*	115 137				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 147 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 904	1		P47-T P63-BB	115 137				.22 .22	NO NO		114 115	
B 905	2		P48-A P126E-23	169 31				.22 .22	NO NO		127 138	
B 906	1		P48-P P129D-27	169 174D				.22 .12	NO NO		115 113	
B 907	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 907B	1		E326-B SHLD B907	66				.25 .25	NO NO			
B 907L			P48-U P107A-2	169 65				.22 .12	NO NO		115 113	
B 907R			P48-T P107A-1	169 65				.22 .12	NO NO		115 113	
B 908	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 908B	1		E337-B SHLD B908	82				.25 .25	NO NO			
B 908L			P48-Y P106A-26	169 83				.22 .12	NO NO		115 113	
B 908R			P48-X P106A-25	169 83				.22 .12	NO NO		115 113	
B 909	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 148 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 909B	1		E337-B SHLD B909	82				.25 .25	NO NO			
B 909L			P48-U* P106A-14	169 83				.22 .12	NO NO		115 113	
B 909R			P48-1* P106A-13	169 83				.22 .12	NO NO		115 113	
B 910	2		P48-CC TB8-6	169 210				.22 .20	NO NO		127 74	
B 911	137										120 120	
B 911L			P48-FF TB2-3	169 157				.22 .20	NO NO		115 74	
B 911R			P48-GG TB1-3	169 163				.22 .20	NO NO		115 73	
B 911Y			P48-EE TB3-3	169 152				.22 .20	NO NO		115 73	
B 912	1		P48-MM P121A-28	169 74				.22 .12	NO NO		115 113	
B 913	1		P48-NN P121A-27	169 74				.22 .12	NO NO		115 113	
B 914	2		P48-B E326-B	169 66				.22 .25	NO NO		127	
B 915	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 149 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 915E			P49-4A P94-E1	168 127				.19 .11	NO NO		132 90	
B 915X			P49-4B P94-E2	168 127								
B 916	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 916E			P49-1A P128C-18A	168 167C				.19 .11	NO NO		132 96	
B 916X			P49-1B P128C-18B	168 167C								
B 917	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 917E			P49-21A P69-D1	168 136				.19 .11	NO NO		132 90	
B 917X			P49-21B P69-D2	168 136								
B 918	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 918E			P49-22A P69-B1	168 136				.19 .11	NO NO		132 90	
B 918X			P49-22B P69-B2	168 136								
B 919	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 150 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 919E			P49-23A P67-A1	168 132				.19 .11	NO NO		132 90	
B 919X			P49-23B P67-A2	168 132								
B 920	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 920E			P49-38A P67-C1	168 132				.19 .11	NO NO		132 90	
B 920X			P49-38B P67-C2	168 132								
B 921	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 921E			P49-39A P69-C1	168 132				.19 .11	NO NO		132 90	
B 921X			P49-39B P69-C2	168 132								
B 922	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 922E			P49-40A P67-B1	168 132				.19 .11	NO NO		132 90	
B 922X			P49-40B P67-B2	168 132								
B 923	118				.38 .52	.19 .23					128,131,120 120, 97, 98	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 151 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 923E			P49-47A P128C-19A	168 167C				.19 .11	NO NO		132 96	
B 923X			P49-47B P128C-19B	168 167C								
B 924	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 924B	1		TB9-9 SHLD B924	96				.20 .25	NO NO		74	
B 924L			P50-E TB9-9	114 96				.22 .20	NO NO		117 74	
B 924R			P50-D TB9-6	114 100				.22 .20	NO NO		117 74	
B 925	2		P50-A P126E-28	114 31				.22 .22	NO NO		117 138	
B 926	118				.50 4.00	.31 3.75				A,7	120 120	
B 926E			P51-1 P65-J	140 131				.11 .22	NO NO		115	
B 926X			P51-2 SHLD B926	140								
B 927	118				.50 4.00	.31 3.75				A,7	120 120	
B 927E			P52-1 P65-J*	139 131				.11 .22	NO NO		115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 152 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 927X			P52-2 SHLD B927	139								
B 928	118				.50 4.00	.31 3.75				B,68	120 120,119	
B 928B			P65-H* SHLD B928	131				.22 .25	NO NO		115	
B 928E			P53-1 P65-H	141 131				.11 .22	NO NO		115	
B 928X			P53-2 SHLD B928	141								
B 929	118				.50 .38	.31 .19					120 128,131,120	
B 929E			P54-1 P62-12A	142 125				.11 .19	NO NO		132	
B 929X			P54-2 P62-12B	142 125								
B 930	118				.50 .38	.31 .19					120 128,131	
B 930E			P55-1 P60-3A	145 122				.11 .19	NO NO		132	
B 930X			P55-2 P60-3B	145 122								
B 931	118				.50 .52	.31 .23					120 120, 97, 98	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 153 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 931E			P56-1 P128A-6A	147 171				.11 .11	NO NO		96	
B 931X			P56-2 P128A-6B	147 171								
B 932	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 932E			P57-1 J132-1	146 121				.11 .11	NO NO		93	
B 932X			P57-2 J132-2	146 121								
B 933	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 933E			P58-1 J133-1	144 120				.11 .11	NO NO		93	
B 933X			P58-2 J133-2	144 120								
B 934	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 934B	1		TB6-4 SHLD B934	238				.20 .25	NO NO		74	
B 934L			P59-E TB6-4	138 238				.22 .20	NO NO		117 74	
B 934R			P59-D TB6-7	138 241				.22 .20	NO NO		117 74	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 154 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 935	2		P59-A P126E-26	138 31				.22 .22	NO NO		117 138	
B 936	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 936E			P60-18A P128C-10A	122 167C				.19 .11	NO NO		132 96	
B 936X			P60-18B P128C-10B	122 167C								
B 937	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 937E			P60-19A P128C-12A	122 167C				.19 .11	NO NO		132 96	
B 937X			P60-19B P128C-12B	122 167C								
B 938	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 938E			P60-16A P128C-13A	122 167C				.19 .11	NO NO		132 96	
B 938X			P60-16B P128C-13B	122 167C								
B 939	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 939E			P60-17A P128C-11A	122 167C				.19 .11	NO NO		132 96	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 155 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 939X			P60-17B P128C-11B	122 167C								
B 940	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 940E			P60-22A P127C-19A	122 166				.19 .11	NO NO		132 96	
B 940X			P60-22B P127C-19B	122 166								
B 941	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 941E			P60-23A P127C-21A	122 166				.19 .11	NO NO		132 96	
B 941X			P60-23B P127C-21B	122 166								
B 942	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 942E			P60-24A P127C-24A	122 166				.19 .11	NO NO		132 96	
B 942X			P60-24B P127C-24B	122 166								
B 943	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 943E			P60-25A P127C-20A	122 166				.19 .11	NO NO		132 96	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 156 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 943X			P60-25B P127C-20B	122 166								
B 944	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 944E			P60-35A P128C-8A	122 167C				.19 .11	NO NO		132 96	
B 944X			P60-35B P128C-8B	122 167C								
B 945	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 945E			P60-37A P128C-9A	122 167C				.19 .11	NO NO		132 96	
B 945X			P60-37B P128C-9B	122 167C								
B 946	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 946E			P60-11A P127C-14A	122 166				.19 .11	NO NO		132 96	
B 946X			P60-11B P127C-14B	122 166								
B 947	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 947E			P60-12A P127C-12A	122 166				.19 .11	NO NO		132 96	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 157 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 947X			P60-12B P127C-12B	122 166								
B 948	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 948E			P60-20A P127C-17A	122 166				.19 .11	NO NO		132 96	
B 948X			P60-20B P127C-17B	122 166								
B 949	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 949E			P60-21A P127C-18A	122 166				.19 .11	NO NO		132 96	
B 949X			P60-21B P127C-18B	122 166								
B 950	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 950E			P60-7A P127C-9A	122 166				.19 .11	NO NO		132 96	
B 950X			P60-7B P127C-9B	122 166								
B 951	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 951E			P60-8A P127C-10A	122 166				.19 .11	NO NO		132 96	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 158 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 951X			P60-8B P127C-10B	122 166								
B 952	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 952E			P60-9A P127C-11A	122 166				.19 .11	NO NO		132 96	
B 952X			P60-9B P127C-11B	122 166								
B 953	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 953E			P60-10A P127C-13A	122 166				.19 .11	NO NO		132 96	
B 953X			P60-10B P127C-13B	122 166								
B 954	118				.38 4.00	.19 3.75				 B,6B	128,131,120 119,120	
B 954B	1		P65-B* SHLD B954	131				.22 .25	NO NO		115	
B 954E			P60-41A P65-B	122 131				.19 .22	NO NO		132 115	
B 954X			P60-41B SHLD B954	122								
B 955	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 120,119	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 159 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 955B	1		E323-B SHLD B955	128				.25 .25	NO NO			
B 955L			P60-2B P65-U*	122 131			.32	.22 .22	NO NO		 115	
B 955R			P60-2A P65-U	122 131				.19 .22	NO NO		132,100,101 115	
B 956	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 956B	1		E323-B SHLD B956	128				.25 .25	NO NO			
B 956L			P60-14 P65-R*	122 131				.19 .22	NO NO		134 115	
B 956R			P60-13 P65-R	122 131				.19 .22	NO NO		134 115	
B 957	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 957B	1		E323-B SHLD B957	128				.25 .25	NO NO			
B 957L			P60-28 P65-S*	122 131				.19 .22	NO NO		134 115	
B 957R			P60-27 P65-S	122 131				.19 .22	NO NO		134 115	
B 958	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 119,120	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 160 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 958B	1		E323-B SHLD B958	128				.25 .25	NO NO			
B 958L			P60-40B P65-T*	122 131			.32	.22 .22	NO NO		 115	
B 958R			P60-40A P65-T	122 131				.19 .22	NO NO		132,100,101 115	
B 959	1		P60-29 P115A-1	122 78				.19 .12	NO NO		134 113	
B 960	1		P60-30 P114A-19	122 42				.19 .12	NO NO		134 113	
B 961	1		P60-31 P121A-10	122 74				.19 .12	NO NO		134 113	
B 962	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 962E			P60-26A P128C-16A	122 167C				.19 .11	NO NO		132 96	
B 962X			P60-26B P128C-16B	122 167C								
B 963	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 963B	1		E332-B SHLD B963	73				.25 .25	NO NO			
B 963L			P60-45 P121A-8	122 74				.19 .12	NO NO		134 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 161 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 963R			P60-44 P121A-7	122 74				.19 .12	NO NO		134 113	
B 964	1		P60-47 P115A-2	122 78				.19 .12	NO NO		134 113	
B 965	1		P60-48 P114A-20	122 38				.19 .12	NO NO		134 113	
B 966	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 966E			P60-36A P128C-17A	122 167C				.19 .11	NO NO		132 96	
B 966X			P60-36B P128C-17B	122 167C								
B 967	118				.38 .52	.19 .23				 A,9	128,131,120 91, 92,120	
B 967E			P60-42A J134-1	122 119				.19 .11	NO NO		132 93	
B 967X			P60-42B J134-2	122 119								
B 968	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 968E			P60-43A P128C-20A	122 167C				.19 .11	NO NO		132 96	
B 968X			P60-43B P128C-20B	122 167C								

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 162 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 969	1		P60-15 P121A-9	122 74				.19 .12	NO NO		134 113	
B 970	118				.52 .38	.23 .19					120, 97, 98 128,131,120	
B 970F			P128A-7A P60-39A	171 122				.11 .19	NO NO		96 132	
B 970X			P128A-7B P60-39B	171 122								
B 971	2		P61-4 TB8-4	123 212				.19 .20	NO NO		136 74	
B 972	1		P61-12 P122A-22	123 52				.19 .12	NO NO		134 113	
B 973	1		P61-13 P122A-21	123 52				.19 .12	NO NO		134 113	
B 974	3		P61-14 TB7-4	123 222				.19 .20	NO NO		134 74	
B 975	1		P61-25 P122A-16	123 52				.19 .12	NO NO		134 113	
B 976	1		P61-26 P122A-15	123 52				.19 .12	NO NO		134 113	
B 977	1		P61-27 P122A-20	123 52				.19 .12	NO NO		134 113	
B 978	1		P61-28 P122A-19	123 52				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 163 OF 209	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 979	1		P61-29 P122A-11	123 52				.19 .12	NO NO		134 113	
B 980	1		P61-30 P122A-12	123 52				.19 .12	NO NO		134 113	
B 981	1		P61-31 P122A-13	123 52				.19 .12	NO NO		134 113	
B 982	1		P61-32 P122A-14	123 52				.19 .12	NO NO		134 113	
B 983	2		P61-43 P126F-22	123 30				.19 .22	NO NO		136 138	
B 984	1		P61-45 P122A-18	123 52				.19 .12	NO NO		134 113	
B 985	1		P61-46 P122A-17	123 52				.19 .12	NO NO		134 113	
B 986	137				2.00 6.00						120 120	
B 986L			P61-48 TB2-1	123 155				.19 .20	NO NO		134 74	
B 986R			P61-47 TB1-1	123 161				.19 .20	NO NO		134 73	
B 986Y			P61-49 TB3-1	123 150				.19 .20	NO NO		134 73	
B 987	1		P61-50 P121A-29	123 74				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 164 OF 209	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 988	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 988B	1		P115A-31 SHLD B988	78				.12 .25	NO NO		113	
B 988L			P62-18 P115A-10	125 78				.19 .12	NO NO		134 113	
B 988R			P62-19 P115A-9	125 78				.19 .12	NO NO		134 113	
B 989	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 989F			P62-10A P93-H1	125 130				.19 .11	NO NO		132 90	
B 989X			P62-10B P93-H2	125 130								
B 990	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 990E			P62-9A P70-G1	125 133				.19 .11	NO NO		132 90	
B 990X			P62-9B P70-G2	125 133								
B 991	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 991E			P62-8A P68-F1	125 129				.19 .11	NO NO		132 90	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 165 OF 209	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 991X			P62-8B P68-F2	125 129								
B 992	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 992B	1		E328-6 SHLD B992	175				.25 .25	NO NO			
B 992L			P62-50 P129D-20	125 174D				.19 .12	NO NO		134 113	
B 992R			P62-33 P129D-19	125 174D				.19 .12	NO NO		134 113	
B 993	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 993B	.1		E328-B SHLD B993	175				.25 .25	NO NO			
B 993L			P62-32 P129D-14	125 174D				.19 .12	NO NO		134 113	
B 993R			P62-16 P129D-13	125 174D				.19 .12	NO NO		134 113	
B 995	7				4.00 4.00	3.75 3.75				B,6A B,6A	120,119 120,119	
B 995A	1		SHLD B995 P62-3	 125				.25 .19	NO NO		 134	
B 995B	1		P119A-31 SHLD B995	54				.12 .25	NO NO		138	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 166 OF 209	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 995L			P62-2	125				.19	NO		134	
			P119A-28	54				.12	NO		113	
B 995R			P62-1	125				.19	NO		134	
			P119A-27	54				.12	NO		113	
B 996	7				4.00	3.75				B,6B	120,119	
					4.00	3.75				B,6B	120,119	
B 996A	1		SHLD B996					.25	NO			
			P62-6	125				.19	NO		134	
B 996B	1		P119A-31	54				.12	NO			
			SHLD B996					.25	NO			
B 996L			P62-5	125				.19	NO		134	
			P119A-30	54				.12	NO		113	
B 996R			P62-4	125				.19	NO		134	
			P119A-29	54				.12	NO		113	
B 997			DELETED									
B 997B			DELETED									
B 997L			DELETED									
B 997R			DELETED									
B 998	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 998B	1		P100A-31	88				.12	NO		113	
			SHLD B998					.25	NO			
B 998L			P62-14	125				.19	NO		134	
			P100A-20	88				.12	NO		113	
B 998R			P62-13	125				.19	NO		134	
			P100A-19	88				.12	NO		113	
B 999	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 999B	1		E331-B	69				.25	NO			
			SHLD B999					.25	NO			
B 999L			P62-23	125				.19	NO		134	
			P104A-20	70				.12	NO		113	
B 999R			P62-22	125				.19	NO		134	
			P104A-19	70				.12	NO		113	
B 1000	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1000B	1		E331-B	69				.25	NO			
			SHLD B999					.25	NO			
B 1000L			P62-25	125				.19	NO		134	
			P104A-2	70				.12	NO		113	
B 1000R			P62-24	125				.19	NO		134	
			P104A-1	70				.12	NO		113	
B 1001	1		P62-26	125				.19	NO		134	
			P116D-24	55				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1002	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1002B	1		P101A-31	71				.12	NO			
			SHLD B1002					.25	NO			
B 1002L			P62-28	125				.19	NO		134	
			P101A-2	71				.12	NO		113	
B 1002R			P62-27	125				.19	NO		134	
			P101A-1	71				.12	NO		113	
B 1003	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1003B	1		P122A-32	52				.12	NO		113	
			SHLD B1003					.25	NO			
B 1003L			P62-47	125				.19	NO		134	
			P122A-4	52				.12	NO		113	
B 1003R			P62-29	125				.19	NO		134	
			P122A-3	52				.12	NO		113	
B 1004	1		P62-30	125				.19	NO		134	
			P116D-21	55				.12	NO		113	
B 1005	7				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120,128,129	
B 1005A	1		SHLD B1005					.25	NO			
			E333-B	124				.25	NO			
B 1005L			P62-52	125				.19	NO		134	
			J135-2	118			.32	.22	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1005R			P62-35	125				.19	NO		134	
			J135-1	118				.22	NO		130,100,101	
B 1006	1		P62-41	125				.19	NO		134	
			P116D-27	55				.12	NO		113	
B 1007	1		P62-42	125				.19	NO		134	
			P116D-28	55				.12	NO		113	
B 1008	1		P62-43	125				.19	NO		134	
			P116D-23	55				.12	NO		113	
B 1009	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1009B	1		E332-B	73				.25	NO			
			SHLD B1009					.25	NO			
B 1009L			P62-45	125				.19	NO		134	
			P121A-16	74				.12	NO		113	
B 1009R			P62-44	125				.19	NO		134	
			P121A-15	74				.12	NO		113	
B 1010	1		P62-48	125				.19	NO		134	
			P116D-22	55				.12	NO		113	
B 1011	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 1011B	1		E337-B	82				.25	NO			
			SHLD B1011					.25	NO			
B 1011L			P92-88	183				.22	NO		115	
			P106D-8	80				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1011R			P92-AA P106D-7	183 80				.22 .12	NO NO		115 113	
B 1012	2		P63-A P126E-24	137 31				.22 .22	NO NO		127 138	
B 1013	1		P63-C P71-B	137 93				.22 .22	NO NO		115 115	
B 1014	1		P63-V* P71-C	137 93				.22 .22	NO NO		115 115	
B 1015	1		P63-U* P71-E	137 93				.22 .22	NO NO		115 115	
B 1016	1		P63-T* P71-F	137 93				.22 .22	NO NO		115 115	
B 1017	1		P63-S* P71-G	137 93				.22 .22	NO NO		115 115	
B 1018	1		P63-R* P71-P	137 93				.22 .22	NO NO		115 115	
B 1019	1		P63-Q* P71-R	137 93				.22 .22	NO NO		115 115	
B 1020	1		P63-P* P71-S	137 93				.22 .22	NO NO		115 115	
B 1021	1		P63-N* P71-T	137 93				.22 .22	NO NO		115 115	
B 1022	1		P63-M* P71-U	137 93				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 171 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1023	1		P63-K* P71-V	137 93				.22 .22	NO NO		115 115	
B 1024	1		P63-J* P71-W	137 93				.22 .22	NO NO		115 115	
B 1025	1		P63-D P71-Y	137 93				.22 .22	NO NO		115 115	
B 1026	1		P63-B P71-Z	137 93				.22 .22	NO NO		115 115	
B 1027	1		P63-E P71-A*	137 93				.22 .22	NO NO		115 115	
B 1028	1		P63-F P71-B*	137 93				.22 .22	NO NO		115 115	
B 1029	1		P63-G P71-G*	137 93				.22 .22	NO NO		115 115	
B 1030	1		P63-H P71-H*	137 93				.22 .22	NO NO		115 115	
B 1031	1		P63-J P71-I*	137 93				.22 .22	NO NO		115 115	
B 1032	1		P63-K P71-J*	137 93				.22 .22	NO NO		115 115	
B 1033	1		P63-L P71-K*	137 93				.22 .22	NO NO		115 115	
B 1034	1		P63-M P71-M*	137 93				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 172 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1035	1		P63-N P71-N*	137 93				.22 .22	NO NO		115 115	
B 1036	1		P63-P P71-R*	137 93				.22 .22	NO NO		115 115	
B 1037	2		P64-S T87-3	134 223				.22 .20	NO NO		127 74	
B 1038	2		P64-T T88-2	134 214				.22 .20	NO NO		127 74	
B 1039	1		P64-FF P115A-22	134 78				.22 .12	NO NO		115 113	
B 1040	1		P64-CC P115A-21	134 78				.22 .12	NO NO		115 113	
B 1041	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1041B	1		E306-B SHLD B1041	57				.25 .25	NO NO			
B 1041L			P65-F* P116A-24	131 58				.22 .12	NO NO		115 113	
B 1041R			P65-F P116A-23	131 58				.22 .12	NO NO		115 113	
B 1042	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1042B	1		E334-B SHLD B1042	56				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 173 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1042L			P65-C* P116A-28	131 58				.22 .12	NO NO		115 113	
B 1042R			P65-C P116A-27	131 58				.22 .12	NO NO		115 113	
B 1043	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1043B	1		E306-B SHLD B1043	57				.25 .25	NO NO			
B 1043L			P65-G* P116A-12	131 58				.22 .12	NO NO		115 113	
B 1043R			P65-G P116A-11	131 58				.22 .12	NO NO		115 113	
B 1044	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1044B	1		E306-B SHLD B1044	57				.25 .25	NO NO			
B 1044L			P65-E* P116A-16	131 58				.22 .12	NO NO		115 113	
B 1044R			P65-E P116A-15	131 58				.22 .12	NO NO		115 113	
B 1045	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1045B	1		E306-B SHLD B1045	57				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 174 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1045L			P65-D* P116A-22	131 58				.22 .12	NO NO		115 113	
B 1045R			P65-D P116A-21	131 58				.22 .12	NO NO		115 113	
B 1046	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1046B	1		E323-B SHLD B1046	128				.25 .25	NO NO			
B 1046L			P65-N* P71-K	131 93				.22 .22	NO NO		115 115	
B 1046R			P65-N P71-J	131 93				.22 .22	NO NO		115 115	
B 1047	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1047A	1		E323-B SHLD B1047	128				.25 .25	NO NO			
B 1047B			DELETED									
B 1047L			P65-P* P71-M	131 93				.22 .22	NO NO		115 115	
B 1047R			P65-P P71-L	131 93				.22 .22	NO NO		115 115	
B 1048	1		P65-DD P71-E*	131 93				.22 .22	NO NO		115 115	

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SCALE-NONE | REV LTR H | SHEET 175 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1049	1		P65-EE P71-D*	131 93				.22 .22	NO NO		115 115	
B 1050	3		P65-A E337-B	131 82				.22 .25	NO NO		115	
B 1051	3		P65-X TB1-1	131 161				.22 .20	NO NO		115 73	
B 1052	3		P65-Y TB2-1	131 158				.22 .20	NO NO		115 74	
B 1053	3		P65-Z TB3-1	131 150				.22 .20	NO NO		115 73	
B 1054	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1054B	1		E337-B SHLD B1054	82				.25 .25	NO NO			
B 1054L			P65-W* P106A-24	131 83				.22 .12	NO NO		115 113	
B 1054R			P65-V* P106A-23	131 83				.22 .12	NO NO		115 113	
B 1055	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1055B	1		E326-B SHLD B1055	66				.25 .25	NO NO			
B 1055L			P65-Y* P107A-4	131 65				.22 .12	NO NO		115 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 176 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1055R			P65-X* P107A-3	131 65				.22 .12	NO NO		115 113	
B 1056	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1056B	1		E337-B SHLD B1056	82				.25 .25	NO NO			
B 1056L			P65-A* P106A-30	131 83				.22 .12	NO NO		115 113	
B 1056R			P65-Z* P106A-29	131 83				.22 .12	NO NO		115 113	
B 1057	118				4.00 .52	3.75 .23				B,6B	119,124,120 120, 97, 98	
B 1057A			SHLD B1057 P65-NN	 131				.25 .22	NO NO		 115	
B 1057E			P65-MM P128C-1A	131 167C				.22 .11	NO NO		115 96	
B 1057X			SHLD B1057 P128C-1B	 167C								
B 1058	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1058B	1		P100A-10 SHLD B1058	88				.12 .25	NO NO		113	
B 1058E			P66-B1 P100A-9	135 88				.11 .12	NO NO		90 113	

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SCALE-NONE | REV LTR H | SHEET 177 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1058X			P66-B2 SHLD B1058	135								
B 1059	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1059B	1		P100A-16 SHLD B1059	88				.12 .25	NO NO			
B 1059E			P66-D1 P100A-15	135 88				.11 .12	NO NO		90 138	
B 1059X			P66-D2 SHLD B1059	135								
B 1060	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1060B	1		P104A-10 SHLD B1060	70				.12 .25	NO NO		113	
B 1060E			P66-A1 P104A-9	135 70				.11 .12	NO NO		90 113	
B 1060X			P66-A2 SHLD B1060	135								
B 1061	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1061B	1		P104A-22 SHLD B1061	70				.12 .25	NO NO		113	
B 1061E			P66-E1 P104A-21	135 70				.11 .12	NO NO		90 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 178 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1061X			P66-E2 SHLD B1061	135								
B 1062	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1062B	1		P104A-24 SHLD B1062	70				.12 .25			113	
B 1062E			P66-C1 P104A-23	135 70				.11 .12	NO NO		90 113	
B 1062X			P66-C2 SHLD B1062	135								
B 1063	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1063B	1		P110A-6 SHLD B1063	63				.12 .25	NO NO		113	
B 1063E			P66-G1 P110A-5	135 63				.11 .12	NO NO		90 113	
B 1063X			P66-G2 SHLD B1063	135								
B 1064	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1064B	1		P111A-12 SHLD B1064	42				.12 .25	NO NO		113	
B 1064E			P66-F1 P111A-11	135 42				.11 .12	NO NO		90 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 179 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1064X			P66-F2 SHLD B1064	135								
B 1065	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1065E			P67-G1 P127C-1A	132 166				.11 .11	NO NO		90 96	
B 1065X			P67-G2 P127C-1B	132 166								
B 1066	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1066E			P67-H1 P127C-3A	132 166				.11 .11	NO NO		90 96	
B 1066X			P67-H2 P127C-3B	132 166								
B 1067	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1067E			P67-J1 P127C-5A	132 166				.11 .11	NO NO		90 96	
B 1067X			P67-J2 P127C-5B	132 166								
B 1068	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1068E			P68-D1 P128B-7A	129 167B				.11 .11	NO NO		90 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 180 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1068X			P68-D2 P128B-7B	129 167B								
B 1069	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1069E			P69-H1 P127C-2A	136 166				.11 .11	NO NO		90 96	
B 1069X			P69-H2 P127C-2B	136 166								
B 1070	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1070E			P69-J1 P127C-4A	136 166				.11 .11	NO NO		90 96	
B 1070X			P69-J2 P127C-4B	136 166								
B 1071	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1071E			P70-A1 P127C-6A	133 166				.11 .11	NO NO		90 96	
B 1071X			P70-A2 P127C-6B	133 166								
B 1072	3		P90-E P129B-32	21 174B				.20 .12	YES NO		 138	
B 1073	3		P90-I P129B-32	21 174B				.20 .12	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 181 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1074	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 1074A	1		SHLD B1074 E335-B	 22				.25 .25	NO NO			
B 1074L			P90-F P99-N*	21 186				.20 .22	YES NO		 127	
B 1074R			P90-G P99-M*	21 186				.20 .22	YES NO		 127	
B 1075	2		P90-H P126F-32	21 30				.20 .22	YES NO		 138	
B 1076	3		P91-Z E336-B	173 59				.22 .25	NO NO		115	
B 1077	2		P91-A P126F-23	173 30				.22 .22	NO NO		127 138	
B 1078	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1078B	1		P106D-32 SHLD B1078	80				.12 .25	NO NO		138	
B 1078L			P91-B* P106D-24	173 80				.22 .12	NO NO		115 113	
B 1078R			P91-B P106D-23	173 80				.22 .12	NO NO		115 113	
B 1079	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 182 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1079B	1		P106D-32 SHLD B1079	80				.12 .25	NO NO			
B 1079L			P91-F* P106D-30	173 80				.22 .12	NO NO		115 113	
B 1079R			P91-F P106D-29	173 80				.22 .12	NO NO		115 113	
B 1080	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1080B	1		E304-B SHLD B1080	62				.25 .25	NO NO			
B 1080L			P91-D* P107D-2	173 64				.22 .12	NO NO		115 113	
B 1080R			P91-D P107D-1	173 64				.22 .12	NO NO		115 113	
B 1081	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1081B	1		E336-B SHLD B1081	59				.25 .25	NO NO			
B 1081L			P91-H* P110D-12	173 60				.22 .12	NO NO		115 113	
B 1081R			P91-H P110D-11	173 60				.22 .12	NO NO		115 113	
B 1082	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 183 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1082B	1		E336-B SHLD B1082	59				.25 .25	NO NO			
B 1082L			P91-M* P110D-16	173 60				.22 .12	NO NO		115 113	
B 1082R			P91-M P110D-15	173 60				.22 .12	NO NO		115 113	
B 1083	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1083B	1		E336-B SHLD B1083	59				.25 .25	NO NO			
B 1083L			P91-P* P110D-18	173 60				.22 .12	NO NO		115 113	
B 1083R			P91-P P110D-17	173 60				.22 .12	NO NO		115 113	
B 1084	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1084B	1		E316-B SHLD B1084	34				.25 .25	NO NO			
B 1084L			P91-W* P117D-6	173 35				.22 .12	NO NO		115 113	
B 1084R			P91-W P117D-5	173 35				.22 .12	NO NO		115 113	
B 1085	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 184 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1085B	1		E316-B SHLD B1085	34				.25 .25	NO NO			
B 1085L			P91-V* P117D-10	173 35				.22 .12	NO NO		115 113	
B 1085R			P91-V P117D-9	173 35				.22 .12	NO NO		115 113	
B 1086	1		P92-W P99-K*	183 186				.22 .22	NO NO		115 115	
B 1087	3		P92-N* E300-B	183 43				.22 .25	NO NO		115	
B 1088	1		P92-B P106D-21	183 80				.22 .12	NO NO		115 113	
B 1089	2		P92-M* TB8-1	183 215				.22 .20	NO NO		127 74	
B 1090	1		P92-M P99-E	183 186				.22 .22	NO NO		115 115	
B 1091	1		P92-L P129D-12	183 174D				.22 .12	NO NO		115 113	
B 1092	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1092B	1		E300-B SHLD B1092	43				.25 .25	NO NO			
B 1092L			P92-DD P108D-30	183 45				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 185 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1092R			P92-CC P108D-29	183 45				.22 .12	NO NO		115 113	
B 1093	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1093B	1		E300-B SHLD B1093	43				.25 .25	NO NO			
B 1093L			P92-FF P108D-26	183 45				.22 .12	NO NO		115 113	
B 1093R			P92-EE P108D-25	183 45				.22 .12	NO NO		115 113	
B 1094	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1094B	1		E300-B SHLD B1094	43				.25 .25	NO NO			
B 1094L			P92-HH P108A-20	183 45				.22 .12	NO NO		115 113	
B 1094R			P92-GG P108A-19	183 45				.22 .12	NO NO		115 113	
B 1095	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1095B	1		E300-B SHLD B1095	43				.25 .25	NO NO			
B 1095L			P92-KK P108A-14	183 45				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 186 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1095P			P92-JJ P108A-13	183 45				.22 .12	NO NO		115 113	
B 1096	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1096B	1		E300-B SHLD B1096	43				.25 .25	NO NO			
B 1096L			P92-MM P108A-8	183 45				.22 .12	NO NO		115 113	
B 1096R			P92-LL P108A-7	183 45				.22 .12	NO NO		115 113	
B 1097	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1097B			P103A-10 SHLD B1097	85				.12 .25	NO NO		113	
B 1097E			P93-C1 P103A-9	130 85				.11 .12	NO NO		90 113	
B 1097X			P93-C2 SHLD B1097	130								
B 1098	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1098B			P103A-12 SHLD B1098	85				.12 .25	NO NO		113	
B 1098E			P93-D1 P103A-11	130 85				.11 .12	NO NO		90 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 187 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1098X			P93-D2 SHLD B1098	130								
B 1099	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1099B			P103A-6 SHLD B1099	85				.12 .25	NO NO		113	
B 1099E			P93-E1 P103A-5	130 85				.11 .12	NO NO		90 113	
B 1099X			P93-E2 SHLD B1099	130								
B 1100	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1100E			P94-A1 P128C-4A	127 167C				.11 .11	NO NO		90 96	
B 1100X			P94-A2 P128C-4B	127 167C								
B 1101	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1101E			P94-B1 P128C-5A	127 167C				.11 .11	NO NO		90 96	
B 1101X			P94-B2 P128C-5B	127 167C								
B 1102	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 188 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1102E			P94-C1 P128C-2A	127 167C				.11 .11	NO NO		90 96	
B 1102X			P94-C2 P128C-2B	127 167C								
B 1103	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1103E			P94-D1 P128C-3A	127 167C				.11 .11	NO NO		90 96	
B 1103X			P94-D2 P128C-3B	127 167C								
B 1106	2		P95-A P126E-22	89 31				.22 .22	NO NO		117 138	
B 1107	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1107B	1		P110A-31 SHLD B1107	63				.12 .25	NO NO		113	
B 1107L			P96-D* P110A-10	182 63				.22 .12	NO NO		115 113	
B 1107P			P96-E* P110A-9	182 63				.22 .12	NO NO		115 113	
B 1108	1		P96-M* P118A-11	182 75				.22 .12	NO NO		115 113	
B 1109	1		P96-N* P118A-12	182 75				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 189 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1110	1		P98-F P108A-1	187 46				.22 .12	NO NO		115 113	
B 1111	1		P98-U* P129B-12	187 174B				.22 .12	NO NO		115 113	
B 1112	1		P99-F* TB4-2	186 225				.22 .20	NO NO		115 73	
B 1113	1		P99-S TB4-10	186 227				.22 .20	NO NO		115 73	
B 1114	1		P99-P* P122D-32	186 51				.22 .12	NO NO		115 138	
B 1115	1		P99-K P129B-3	186 174B				.22 .12	NO NO		115 113	
B 1116	1		P99-Z P130A-9	186 179A				.22 .12	NO NO		115 113	
B 1121	1		P25-NN P27-HH	195 185				.22 .22	NO NO		115 115	
B 1122	1		P31-F* P129E-23	191 23E				.22 .12	NO NO		115 113	
B 1129	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 1129E			P60-1A P128C-6A	122 167C				.19 .11	NO NO		132 96	
B 1129X			P60-1B P128C-6B	122 167C								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 190 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1130	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 1130B	1		E332-B SHLD B1130	73				.25 .25	NO NO			
B 1130L			P62-31 P121A-20	125 74				.19 .12	NO NO		134 113	
B 1130R			P62-15 P121A-19	125 74				.19 .12	NO NO		134 113	
B 1140	1		P71-T* P118A-32	93 75				.22 .12	NO NO		115 113	
B 1141	1		P36-R P99-C	181 186				.22 .22	NO NO		115 115	
B 1142	1		P99-D P130A-1	186 179A				.22 .12	NO NO		115 113	
B 1143	1		P99-U P129B-7	186 174B				.22 .12	NO NO		115 113	
B 1144	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1144B	1		P122D-32 SHLD B1144	51				.12 .25	NO NO			
B 1144L			P99-X* P122D-6	186 51				.22 .12	NO NO		115 113	
B 1144R			P99-Y* P122D-5	186 51				.22 .12	NO NO		115 113	

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SCALE-NONE | REV LTR H | SHEET 191 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1145	1		J21-T P99-GG	2 186				.22 .22	NO NO		114 115	
B 1150	1		P92-C P105D-1	183 47				.22 .12	NO NO		115 113	
B 1156	1		P115D-29 TB5-1	77 228				.12 .20	NO NO		113 73	
B 1157	1		P116D-5 TB5-4	55 231				.12 .20	NO NO		113 73	
B 1165	1		P108D-2 TB8-8	45 208				.12 .20	NO NO		113 74	
B 1166	2		P110D-2 TB8-7	60 209				.22 .20	NO NO		138 74	
B 1167	1		P110D-20 TB8-6	60 210				.12 .20	NO NO		113 74	
B 1170	1		P114D-5 TB3-2	37 151				.12 .20	NO NO		113 73	
B 1171	1		P114D-3 TB1-2	37 162				.12 .20	NO NO		113 73	
B 1173	1		P114D-6 TB2-2	37 159				.12 .20	NO NO		113 74	
B 1174	3		P115D-27 TB7-9	77 217				.12 .20	NO NO		113 74	
B 1176	1		P115D-28 TB8-9	77 207				.12 .20	NO NO		113 74	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1177	3		P115D-21 P130E-1	77 228				.12 .12	NO NO		113 113	
B 1178	1		P115D-30 TB6-5	77 239				.12 .20	NO NO		113 74	
B 1180	5				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1180B	1		P116D-4 SHLD B1180	55				.12 .25	NO NO		113	
B 1180W			TB5-2 P116D-3	229 55				.20 .12	NO NO		73 113	
B 1187	3		E301-BB P108D-32	39 45				.25 .12	NO NO		 138	
B 1188	3		E302-BB P108D-32	40 45				.25 .12	NO NO			
B 1189	3		E303-BB P105D-32	16 47				.25 .12	NO NO		 138	
B 1190	3		E304-BB P107D-32	62 64				.25 .12	NO NO		 113	
B 1191	3		E305-BB P107D-31	61 64				.25 .12	NO NO		 113	
B 1192	3		E306-BB P116A-32	57 58				.25 .12	NO NO		 113	
B 1193	3		E307-BB E302-B	13 40				.25 .25	NO NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1194	3		E308-BB P100D-32	86 87				.25 .12	NO NO		 113	
B 1195	3		E309-BB E308-B	9 86				.25 .25	NO NO			
B 1196	3		E310-BB E304-B	19 62				.25 .25	NO NO			
B 1197	3		E311-BB E312-B	11 178				.25 .25	NO NO			
B 1198	3		E312-BB P129A-31	178 174A				.25 .12	NO NO		 113	
B 1199	3		E313-BB E328-B	4 175				.25 .25	NO NO			
B 1201	3		E315-BB E316-B	172 34				.25 .25	NO NO			
B 1202	3		E316-BB P117D-31	34 35				.25 .12	NO NO		 113	
B 1204	3		E321-BB P117A-32	204 36				.25 .12	NO NO			
B 1205	3		E322-BB P129B-31	177 174B				.25 .12	NO NO		 113	
B 1206	3		E323-BB E327-B	128 81				.25 .25	NO NO			
B 1207	3		E324-BB E328-B	180 175				.25 .25	NO NO			

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1208	3		E325-BB	67				.25	NO			
			P107A-31	65				.12	NO		113	
B 1209	3		E326-BB	66				.25	NO			
			P107A-32	65				.12	NO		113	
B 1210	3		E327-BB	81				.25	NO			
			P106A-31	83				.12	NO		113	
B 1211	3		E328-BB	175				.25	NO			
			P129D-31	174D				.12	NO		113	
B 1212	3		E329-BB	44				.25	NO			
			P108A-32	46				.12	NO		113	
B 1213	3		E330-BB	76				.25	NO			
			P118A-31	75				.12	NO		113	
B 1214	3		E331-BB	69				.25	NO			
			P104A-31	70				.12	NO		113	
B 1215	3		E332-BB	73				.25	NO			
			P121A-31	74				.12	NO		113	
B 1216	3		E333-BB	124				.25	NO			
			P101A-31	71				.12	NO		138	
B 1217	3		E334-BB	56				.25	NO			
			P116A-31	58				.12	NO		113	
B 1218	3		E335-BB	22				.25	NO			
			E322-B	177				.25	NO			
B 1219	3		E336-BB	59				.25	NO			
			P110D-32	60				.12	NO		113	

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1220	3		E337-BB	82				.25	NO			
			P106A-32	83				.12	NO		113	
B 1221	118				.52	.23					120, 97, 98	
					.52	.23					120, 97, 98	
B 1221E			P128B-6A	167B				.11	NO		96	
			P128B-2CA	167B				.11	NO		96	
B 1221X			P128B-6B	167B								
			P128B-20B	167B								
B 1225	2		P71-A	93				.22	NO		127	
			P126E-25	31				.22	NO		138	
B 1226	2		E338-BB	8				.25	NO			
			J19-V	7				.22	NO		116	
B 1229	9				4.00	3.75				B,6A	120,121	
					2.25	2.00				A,7	120	
B 1229A	3		SHLD B1229					.25	NO			
			E338-B	8				.25	NO			
B 1229L			J19-N	7				.22	NO		126	
			P11-LL	250				.22	NO		126	
B 1229R			J19-L	7				.22	NO		126	
			P11-P*	250				.22	NO		126	
B 1230	1		J16-AA	20				.22	NO		114	
			P113A-29	59A				.12	NO		113	
B 1231	3		E300-BB	43				.25	NO			
			P108A-32	46				.12	NO		113	

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1232	2		P71-S*	93				.22	NO		127	
			TB8-3	213				.25	NO		74	
B 1233	118				.38	.19					120,128,131	
					.52	.23					120, 97, 98	
B 1233E			J136-1	29A				.19	NO		132	
			P128C-7A	167C				.11	NO		96	
B 1233X			J136-2	29A								
			P128C-7B	167C								
B 1234			DELETED									
B 1235	3		J21-W*	2				.22	NO		114	
			P27-KK	185				.22	NO		115	
B 1236	1		J25-A*	6				.22	NO		115	
			P27-FF	185				.22	NO		115	
B 1237			J25-B*	6				.22	NO		115	
			P36-B	181				.22	NO		115	
B 1238	1		J25-C*	6				.22	NO		115	
			P36-C	181				.22	NO		115	
B 1239	1		P118A-22	75				.12	NO		113	
			P36-A	181				.22	NO		115	
B 1240	2		J30-10	90				.19	NO		135	
			TB1-1	164				.25	NO		144	
B 1241	2		J30-12	90				.19	NO		135	
			TB2-1	158				.25	NO		74	

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1242	2		J30-11	90				.19	NO		135	
			TB3-1	153				.25	NO		144	
B 1243	3		J19-C	7				.22	NO		114	
			P130A-3	179				.12	NO		113	
B 1244	3		J27-F	1				.22	NO		114	
			P26-J	194				.22	NO		115	
B 1245	118				.38	.19					128,131,120	
					.52	.31					128,129,120	
B 1245E			J29-7A	92				.19	NO		130	
			P60-46A	122				.19	NO		132	
B 1245X			J29-7B	92				.19	NO		130	
			P60-46B	122				.19	NO		132	
B 1246	3		P35-NN	184				.22	NO		115	
			P130A-11	179				.12	NO		113	
B 1247	3		J21-Y	2				.22	NO		115	
			P130E-11	22				.12	NO		113	
B 1248	3		P35-MM	184				.22	NO		115	
			J21-I*	2				.22	NO		115	
B 1249	3		P35-LL	184				.22	NO		115	
			J21-Z	2				.22	NO		115	
B 1250	3		P25-M*	195				.22	NO		115	
			J17-E*	15				.22	NO		114	
B 1251	3		P25-J*	195				.22	NO		115	
			J17-F*	15				.22	NO		114	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1252	3		P25-H* J17-G*	195 15				.22 .22	NO NO		115 114	
B 1253			DELETED									
B 1254	3		P25-K* J17-P*	195 15				.22 .22	NO NO		115 114	
B 1255	3		P25-P* J17-Q*	195 15				.22 .22	NO NO		115 114	
B 1256	3		P25-R* J17-R*	195 15				.22 .22	NO NO		115 114	
B 1257	3		P25-Q* J17-S*	6 15				.22 .22	NO NO		115 114	
B 1258	3		P25-S* J17-X*	6 15				.22 .22	NO NO		115 114	
B 1259	3		P25-N* J17-Y*	6 15				.22 .22	NO NO		115 114	
B 1260	3		P25-F* J17-AA	6 15				.22 .22	NO NO		115 114	
B 1261	3		P25-G* J17-BB	6 15				.22 .22	NO NO		115 114	
B 1262	3		P11-W* P130B-11	250 179				.22 .12	NO NO		114 113	
B 1263	1		P99-C P31-K	186 191				.22 .22	NO NO		115 115	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1264	1		P27-Y P26-T*	185 194				.22 .22	NO NO		115 115	
B 1265	3		P46-E P100A-32	117 68				.22 .12	NO NO		115 113	
B 1266	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1266B	1		P119A-24 SHLD B1266	54				.12 .25	NO NO		113	
B 1266E			P60-54A P119A-23	122 54				.11 .12	NO NO		90 113	
B 1266X			P60-54B SHLD B1266	122								
B 1267	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1267B	1		P119A-22 SHLD B1266	54				.12 .25	NO NO		113	
B 1267E			P60-55A P119A-21	122 54				.11 .12	NO NO		90 113	
B 1267X			P60-55B SHLD B1266	122								
B 1268	1		J25-M* P110-A1	6 63				.22 .12	NO NO		115 113	
B 1269	1		J21-S* P96-V	2 182				.22 .22	NO NO		115 115	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 200 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1270	1		J18-AA P115D-13	12 16				.22 .12	NO NO		 113	
B 1271	1		P24-B* P115D-7	196 16				.22 .12	NO NO		115 113	
B 1272	1		P130E-7 P115D-8	179B 16				.12 .12	NO NO		113 113	
B 1273	1		P61-52 P122A-7	123 23				.19 .12	NO NO		134 113	
B 1274	1		E339BB P105D-6	8A 45				.25 .12	NO NO		 113	
B 1275	2		E339B J19-F*	8A 7				.25 .22	NO NO		 116	

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SCALE-NONE	REV LTR H	SHEET 201 OF 209

TABLE I

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P1	A2J3	P46	A18J1	P100D	J100D
P2	A2J3	P47	A18J2	P101A	J101A
P3	A3J1	P48	A32J1	P102A	J102A
P4	A3J3	P49	A32J2	P102D	J102D
P5	A4J2	P50	A18J5	P103A	J103A
P7	A4J3	P51	A19J1	P103D	J103D
P8	A4J4	P52	A19J2	P104A	J104A
P11	A14J2	P53	A19J3	P104D	J104D
P12	A21J19	P54	A19J4	P105A	J105A
P13	A19J9	P55	A19J5	P105D	J105D
P14	A5J1	P56	A19J6	P106A	J106A
P15	A5J2	P57	A19J7	P106D	J106D
P16	A5J3	P58	A19J8	P107A	J107A
P17	A5J4	P59	A19J10	P107D	J107D
P19	A6J2	P60	A20J49	P108A	J108A
P20	A7J1	P61	A20J50	P108D	J108D
P21	A7J2	P62	A20J51	P109D	J109D
P22	A7J3	P63	A21J1	P110A	J110A
P23	A8J1	P64	A21J2	P110D	J110D
P24	A9J1	P65	A21J3	P111A	J111A
P25	A9J2	P66	A21J4	P111D	J111D
P26	A9J3	P67	A21J5	P113A	J113A
P27	A12J4	P68	A21J6	P114A	J114A
P28	A10J1	P69	A21J7	P114D	J114D
P29	A10J2	P70	A21J8	P115A	J115A
P30	A10J3	P71	A22J1	P115D	J115D
P31	A11J1	P90	A30J4	P116A	J116A
P32	A11J2	P91	A31J1	P116D	J116D
P33	A11J3	P92	A13J3	P117A	J117A
P34	A12J1	P93	A21J9	P117D	J117D
P35	A13J1	P94	A21J10	P118A	J118A
P36	A13J2	P95	A23J1	P119A	J119A
P37	A14J1	P96	A13J4	P119D	J119D
P38	A15J1	P97	A18J6	P120D	J120D
P39	A15J2	P98	A12J1	P121A	J121A
P40	A15J3	P99	A12J3	P121D	J121D
P41	A15J4	P100A	J100A	P122A	J122A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION G	NASA DRAWING NO. 2900542 SHEET 202 OF 209

TABLE I (CONTINUED)

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P122D	J122D				
P123A	J123A				
P127A	J127A				
P127B	J127B				
P127C	J127C				
P128A	J128A				
P128B	J128B				
P128C	J128C				
P129A	J129A				
P129B	J129B				
P129D	J129D				
P129E	J129E				
P129F	J129F				
P130A	J130A				
P130B	J130B				
P130C	J130C				
P130D	J130D				
P130E	J130E				
P130F	J130F				
P131	J131				
P132	J132				
P133	J133				
P134	J134				
P135	J135				
P136	J136				

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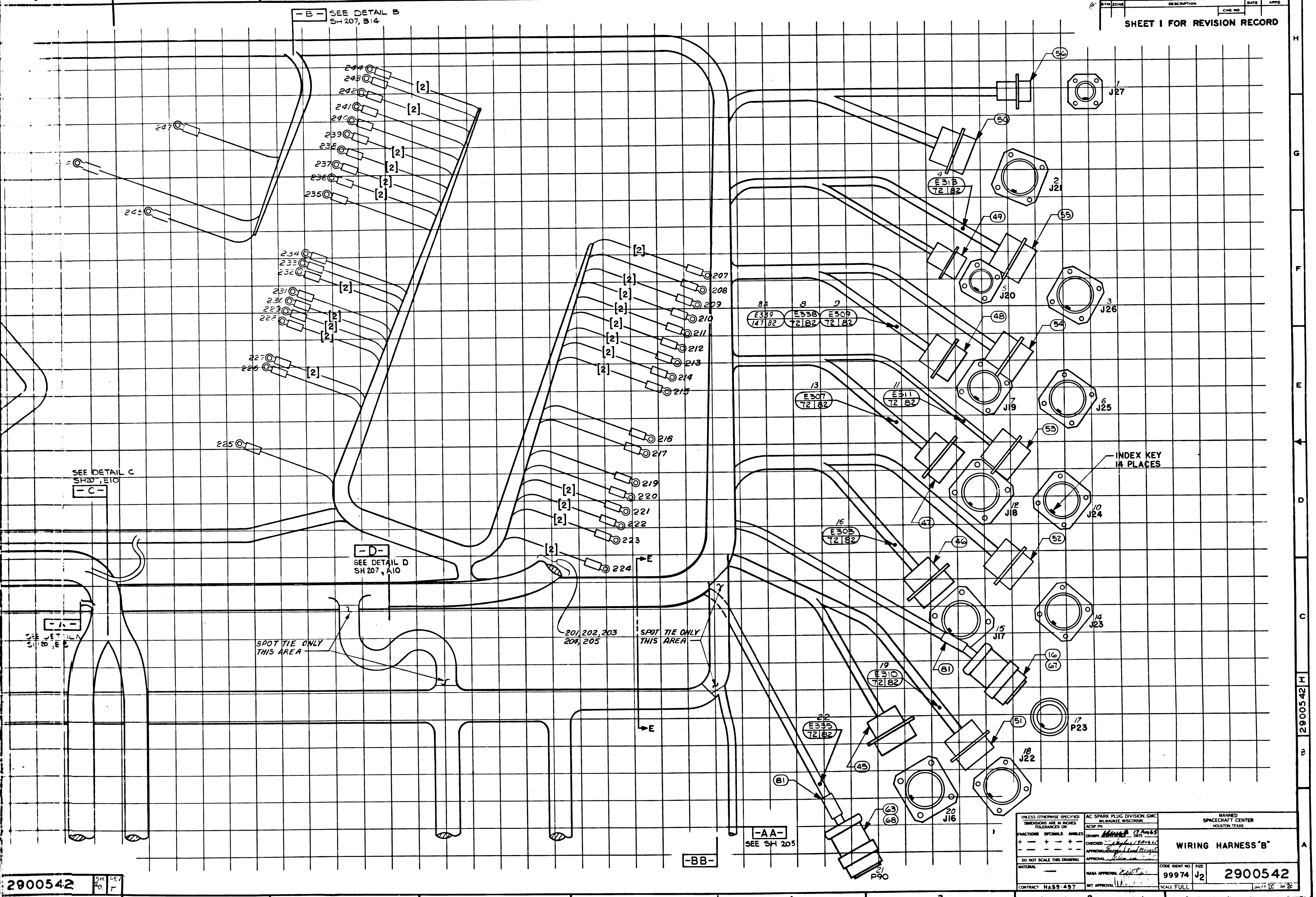
	G	2900542 SHEET 203 OF 209

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SHEET 1 FOR REVISION RECORD



-B- SEE DETAIL B SH 207, B14
SEE DETAIL C SH207, E10
-C-
-D- SEE DETAIL D SH 207, A10
-A- SEE DETAIL A SH 20, E2
SPOT TIE ONLY THIS AREA
SPOT TIE ONLY THIS AREA
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-AA- SEE SH 205
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17 P23
18 J22
20 J16
21 P90
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8A E339 147 82
8 E338 72 82
9 E309 72 82
13 E307 72 82
11 E311 72 82
16 E303 72 82
19 E310 72 82
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UNLESS OTHERWISE SPECIFIED
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FRACTIONS DECIMALS ANGLES
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MATERIAL —

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN DATE 17 Aug 65
CHECKED 19 AUG 65
APPROVAL 19 Aug 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE J2
2900542

SCALE FULL
SHEET 20 OF 20

2900542 SH. 20 REV F

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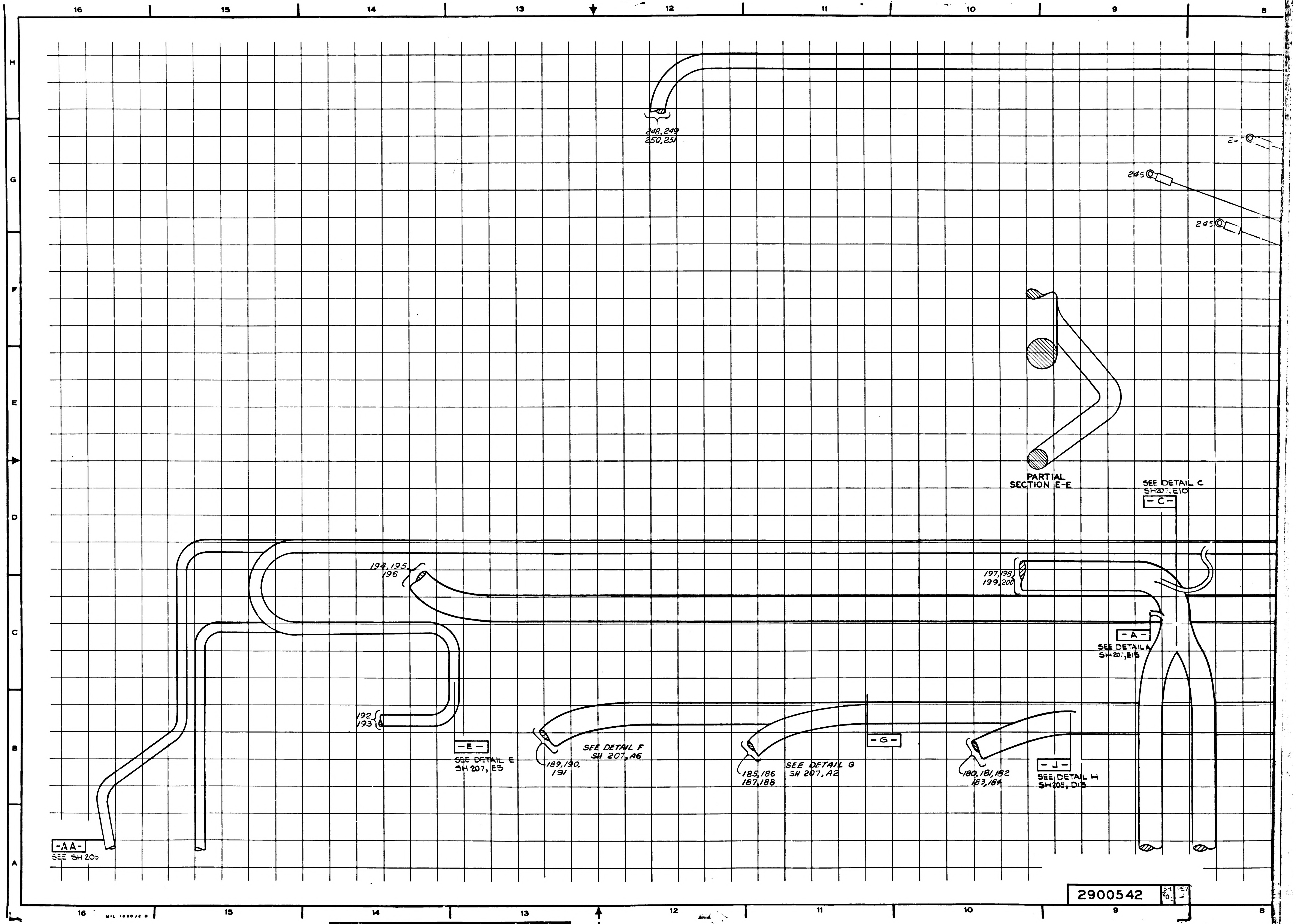
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-A-
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SH 207, E13
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-E-
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SH 207, E5
189, 190,
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SEE DETAIL F
SH 207, A6
-G-
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187, 188
SEE DETAIL G
SH 207, A2
180, 181, 182
183, 184
-J-
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2900542 SH. 20 REV.

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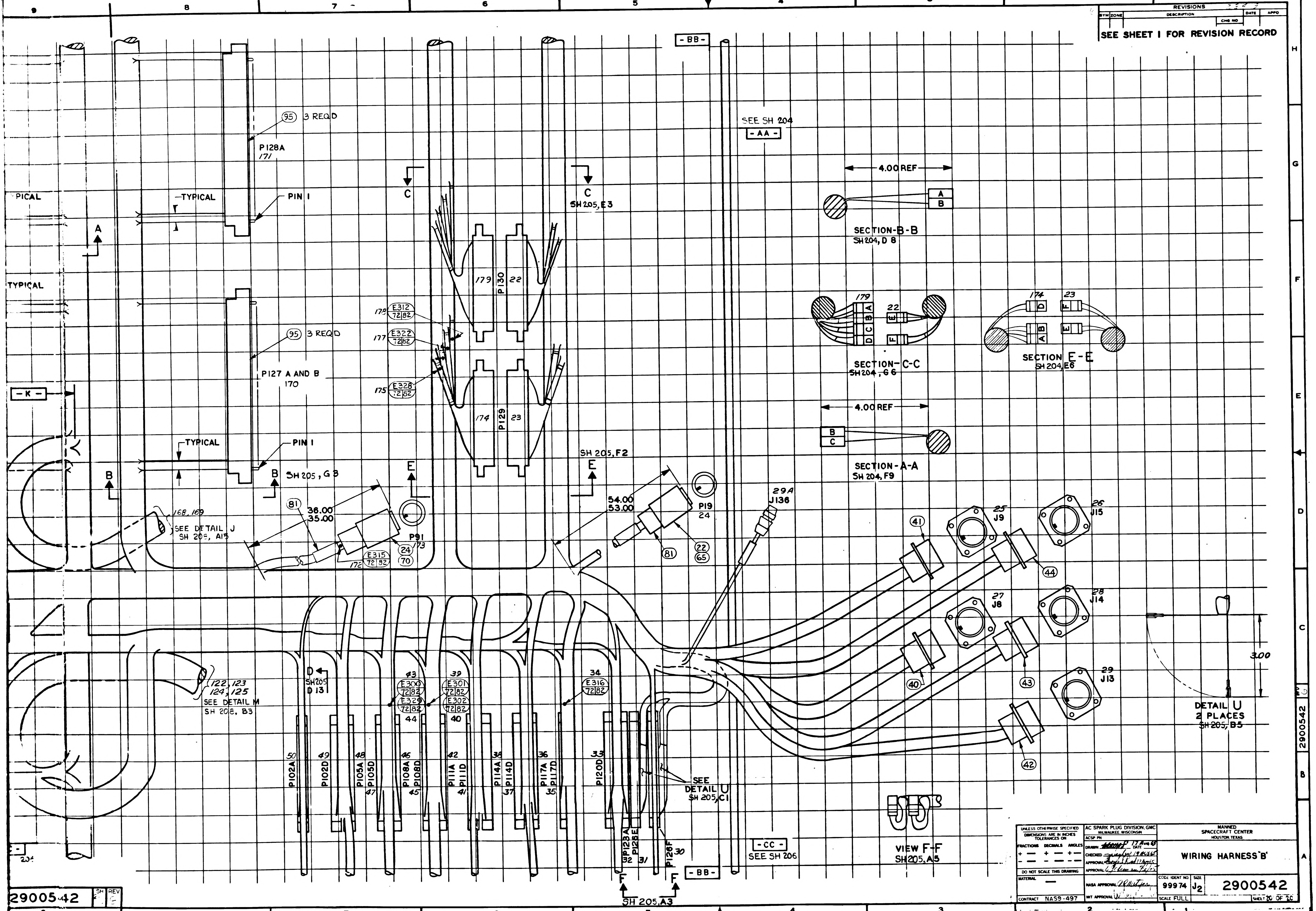
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD



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SEE SH 204
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TYPICAL
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95 3 REQD
P127 A AND B
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TYPICAL
PIN 1
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C
C SH 205, E3
179 E312 72 82
177 E322 72 82
175 E328 72 82
179
P130
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172 E315 72 82
168, 169
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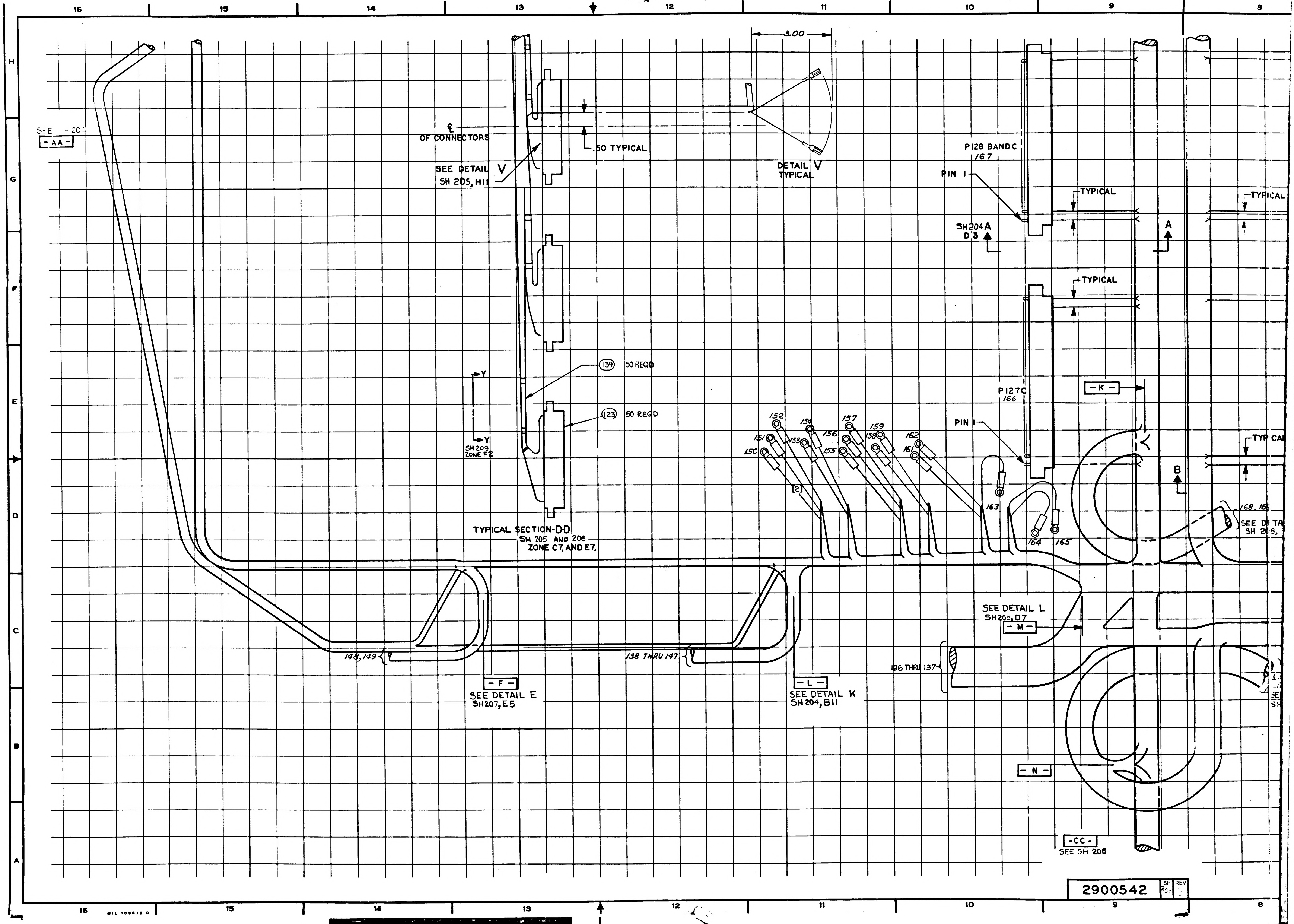
SH 204, D 8
179
A B C D
22
E F
SECTION-C-C
SH 204, G 6
174 D
23 F
A B
E
SECTION E-E
SH 204, E6
4.00 REF
B
C
SECTION-A-A
SH 204, F9
41
25 J9
26 J15
44
27 J8
28 J14
40
43
29 J13
42
3.00
DETAIL U
2 PLACES
SH 205, B5
122, 123
124, 125
SEE DETAIL M
SH 208, B3
D
SH 205
D 13
43 E300 72 82 E329 72 82 44
39 E301 72 82 E302 72 82 40
34 E316 72 82
50 P102A
49 P102D
48 P105A P105D 47
46 P108A P108D 45
42 P111A P111D 41
38 P114A P114D 37
36 P117A P117D 35
33 P120D
P123A 32
P128E 31
P126F 30
SEE DETAIL U
SH 205, C1
- CC -
SEE SH 206
VIEW F-F
SH 205, A5
- BB -
F
F
SH 205, A3
E -
234

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± — ± — ± —	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	ACSP PN DRAWN [illegible] 17 Aug 65 DATE CHECKED [illegible] 19 AUG 65 APPROVAL [illegible] 17 Aug 65 APPROVAL [illegible]	WIRING HARNESS 'B'
MATERIAL —	NASA APPROVAL [illegible] MIT APPROVAL [illegible]	CODE IDENT NO. 99974 SIZE J_2 2900542
CONTRACT NAS9-497		SCALE FULL SHEET 20 OF 20

2900542 SH REV

272900542


16
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12
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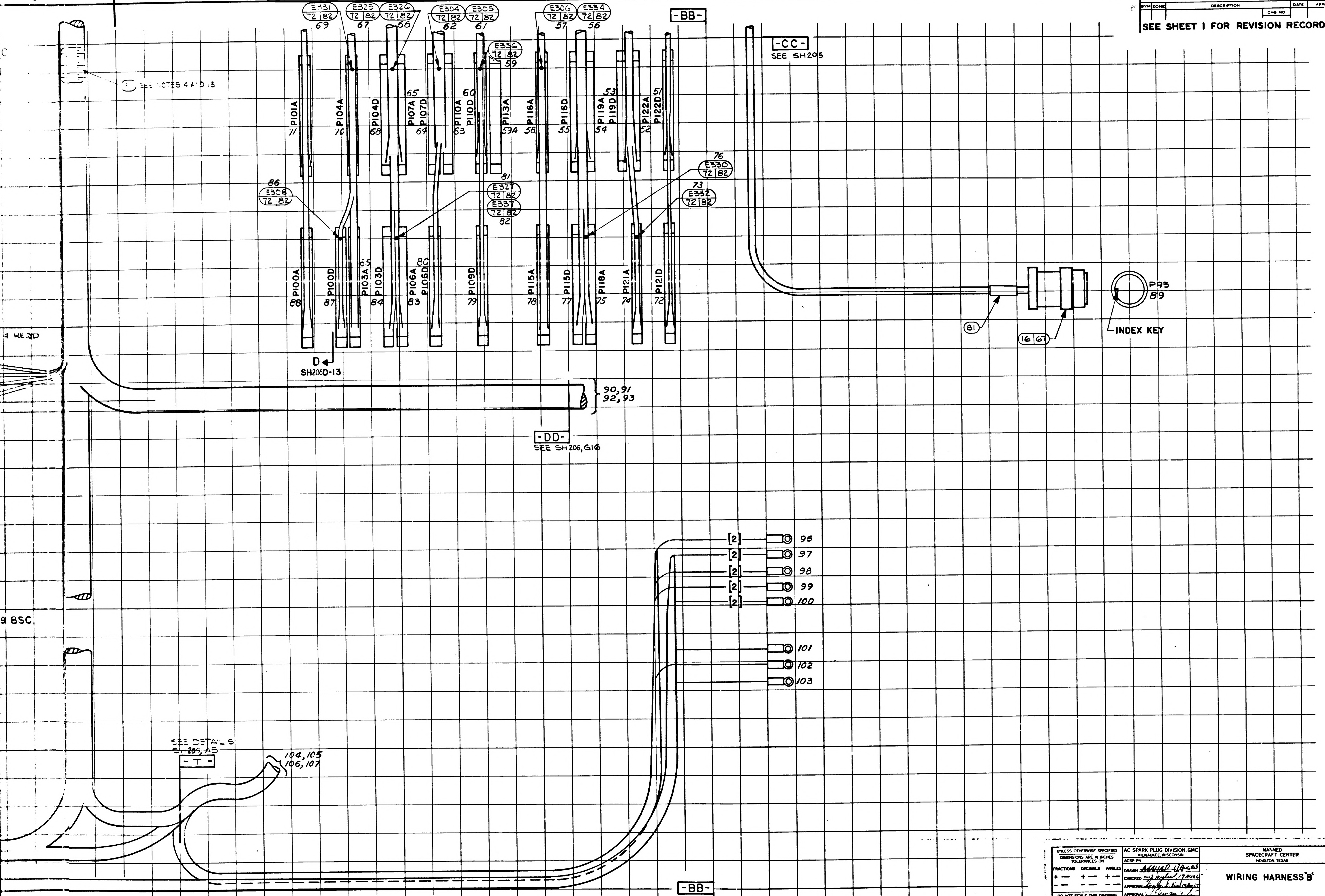
8
H
G
F
E
D
C
B
A
3.00
SEE 20
- AA -
℄ OF CONNECTORS
.50 TYPICAL
SEE DETAIL V
SH 205, H11
DETAIL V
TYPICAL
P128 BANDC
167
PIN 1
SH204 A
D 3
A
TYPICAL
TYPICAL
TYPICAL
TYPICAL
Y
Y
SH 209
ZONE F2
139
50 REQD
123
50 REQD
P127C
166
PIN 1
- K -
152
154
157
159
162
151
153
156
158
161
150
155
2
163
164
165
B
168, 16
SEE DETA
SH 208,
TYPICAL SECTION-D-D
SH 205 AND 206
ZONE C7, AND E7.
SEE DETAIL L
SH208, D7
- M -
148, 149
138 THRU 147
126 THRU 137
- F -
SEE DETAIL E
SH207, E5
- L -
SEE DETAIL K
SH 204, B11
SE
SH
- N -
- CC -
SEE SH 206
MIL 1000J8 D
GENERAL MOTORS CORPORATION
MILWAUKEE, WISCONSIN
5900245
SH 205 & 206

2900542 SH. 205 REV

172900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD


9
8
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H
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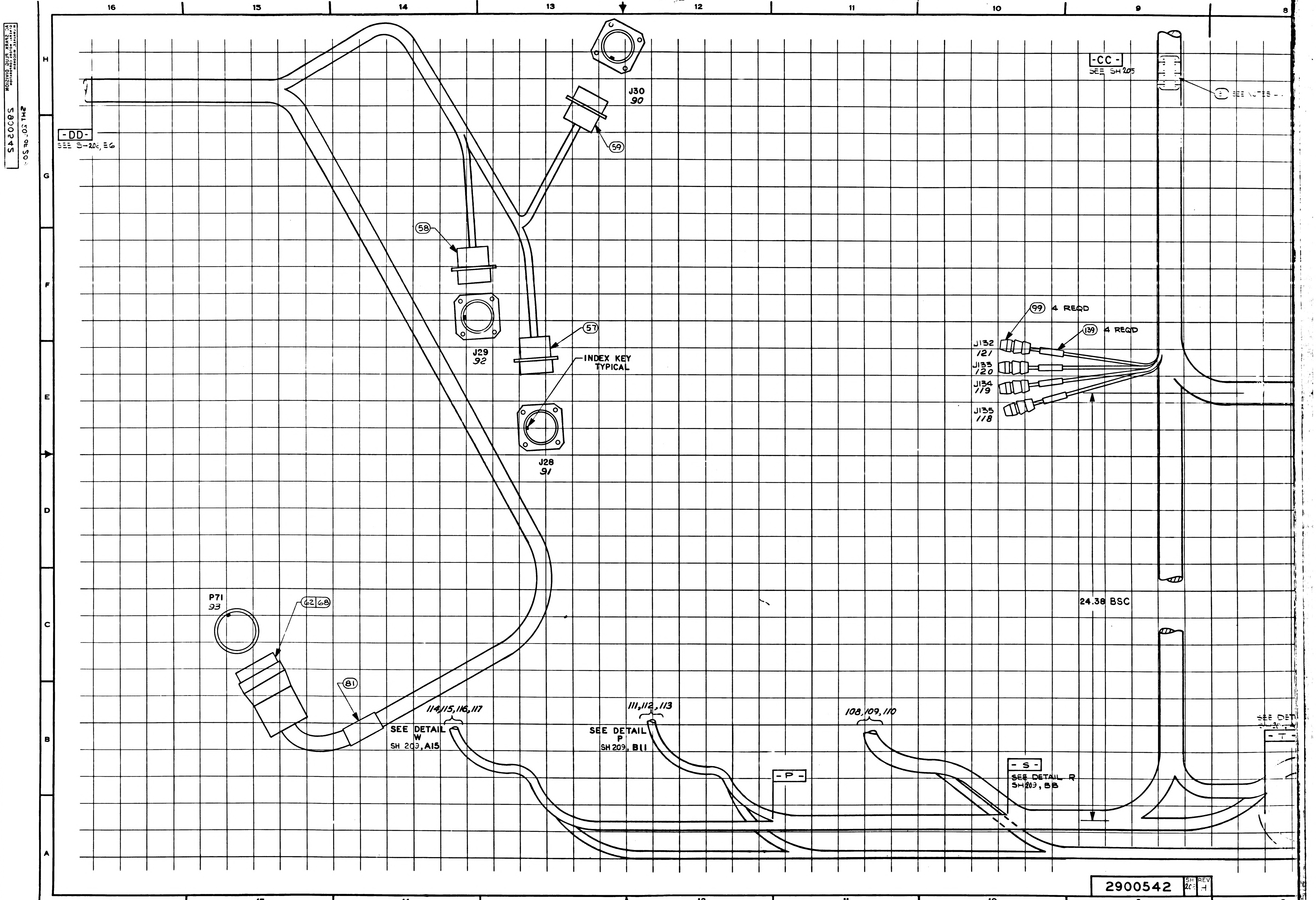
E
D
C
B
A
E331 72 82 69
E325 72 82 67
E326 72 82 66
E304 72 82 62
E305 72 82 61
E306 72 82 57
E334 72 82 56
-BB-
-CC-
SEE SH205
E336 72 82 59
SEE NOTES 4 AND 13
P101A 71
P104A 70
P104D 68
65
P107A
P107D 64
60
P110A 63
P110D
P113A 59A
P116A 58
P116D 55
53
P119A
P119D 54
51
P122A 52
P122D
81
E327 72 82
E337 72 82
82
86
E308 72 82
76
E330 72 82
73
E332 72 82
P100A 88
P100D 87
65
P103A
P103D 84
80
P106A 83
P106D
P109D 79
P115A 78
P115D 77
P118A 75
P121A 74
P121D 72
D
SH205D-13
4 REQD
81
16 67
P95
89
INDEX KEY
90,91
92,93
-DD-
SEE SH206, G16
9 BSC
[2] 96
[2] 97
[2] 98
[2] 99
[2] 100
101
102
103
SEE DETAILS
SH209, A5
-T-
104,105
106,107
-BB-

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
FRACTIONS ± — DECIMALS ± — ANGLES ± —	ACSP PN	
	DRAWN AAHAS DATE 17AUG65	WIRING HARNESS "B"
	CHECKED Naylor 19AUG65	
	APPROVAL 19Aug65	
DO NOT SCALE THIS DRAWING	APPROVAL	
MATERIAL —	NASA APPROVAL	CODE IDENT NO 99974 · SIZE J_2 · 2900542
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL · SHEET 26 OF 26

2900542	SH 26	REV ⊓

2900542

272900542


AC SPARK PLUG DIVISION
GENERAL MOTORS CORPORATION
MILWAUKEE, WISCONSIN
2900542
SHT 20_ OF 20_
16
15
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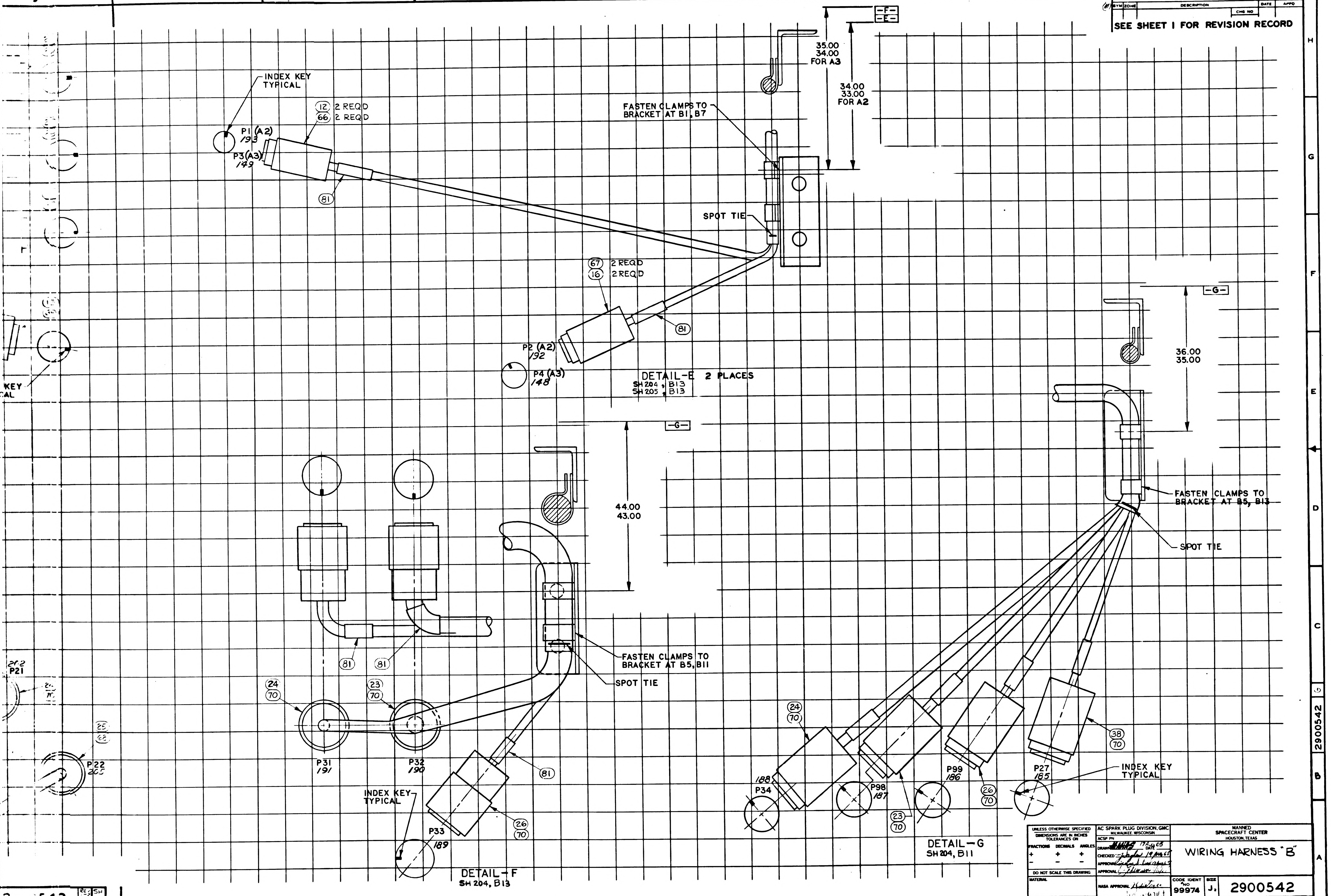
-DD-
SEE S-20c, E6
J30
90
59
58
57
J29
92
J28
91
INDEX KEY
TYPICAL
-CC-
SEE SH 205
SEE NOTES
99 4 REQD
139 4 REQD
J132
121
J133
120
J134
119
J135
118
24.38 BSC
P71
93
62 68
81
114,115,116,117
SEE DETAIL
W
SH 209, A15
111,112,113
SEE DETAIL
P
SH 209, B11
-P-
108,109,110
-S-
SEE DETAIL R
SH 209, BB
SEE DET
-T-
2900542
SH
20_
REV
H

1/,2900542

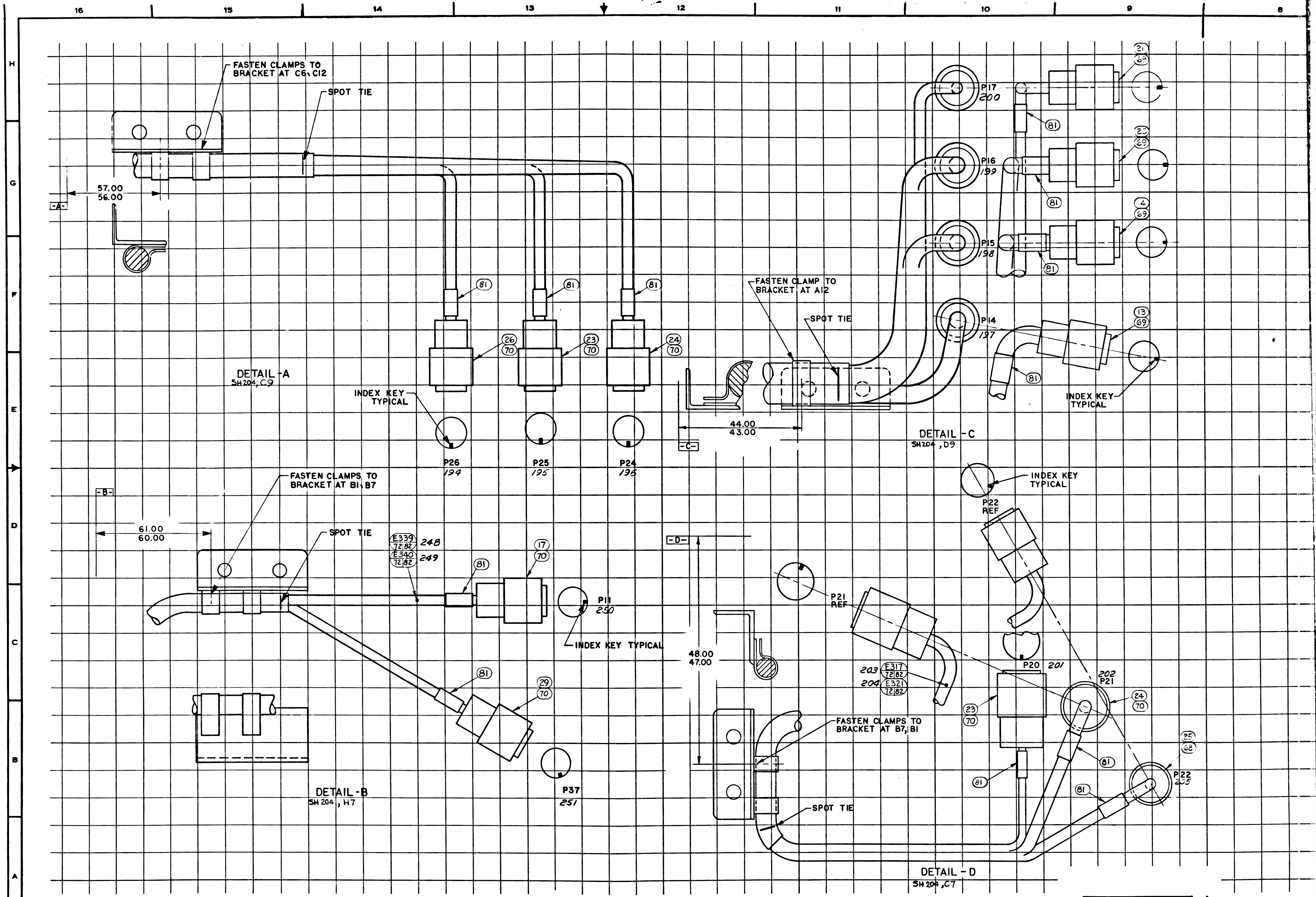
REVISIONS

SEE SHEET I FOR REVISION RECORD


INDEX KEY TYPICAL
⑫ 2 REQ'D
66 2 REQ'D
P1 (A2) 193
P3 (A3) 149
81
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
35.00
34.00
FOR A3
34.00
33.00
FOR A2
-F-
-E-
67 2 REQ'D
16 2 REQ'D
81
P2 (A2) 192
P4 (A3) 148
DETAIL-E 2 PLACES
SH 204, B13
SH 205, B13
-G-
44.00
43.00
81
81
FASTEN CLAMPS TO BRACKET AT B5, B11
SPOT TIE
24 70
23 70
P31 191
P32 190
81
INDEX KEY TYPICAL
26 70
P33 189
DETAIL-F
SH 204, B13
-G-
36.00
35.00
FASTEN CLAMPS TO BRACKET AT B5, B13
SPOT TIE
24 70
188
P34
P98 187
23 70
P99 186
26 70
P27 185
38 70
INDEX KEY TYPICAL
DETAIL-G
SH 204, B11
KEY
CAL
P21 212
25
68
P22 205
2900542
2-542
SH 26

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + + + - - - DO NOT SCALE THIS DRAWING	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN ACSP PN DRAWN 17 Aug 65 DATE CHECKED 19 Aug 65 APPROVAL APPROVAL	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
		WIRING HARNESS "B"	
MATERIAL	NASA APPROVAL	CODE IDENT NO 99974	SIZE J2
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL	2900542 SHEET 26 OF 26

2729005422



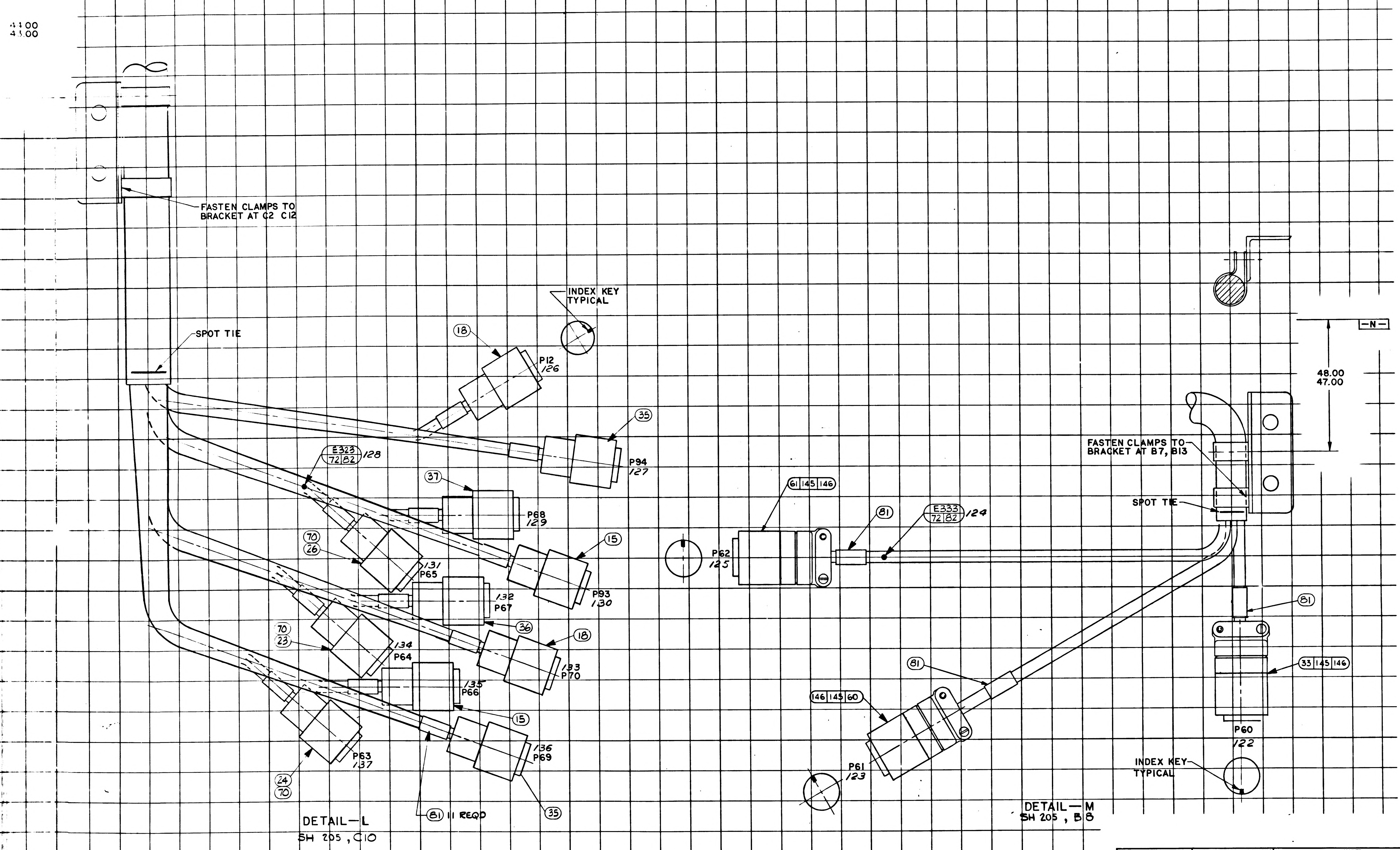
FASTEN CLAMPS TO BRACKET AT C6, C12
SPOT TIE
57.00
56.00
-A-
81
26
70
23
70
24
70
DETAIL -A
SH204, C9
INDEX KEY TYPICAL
P26
194
P25
195
P24
196
P17
200
21
69
P16
199
20
69
P15
198
4
69
P14
197
13
69
81
FASTEN CLAMP TO BRACKET AT A12
SPOT TIE
44.00
43.00
-C-
INDEX KEY TYPICAL
DETAIL -C
SH204, D9
INDEX KEY TYPICAL
P22
REF
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
-B-
61.00
60.00
E339
72 82
248
E340
72 82
249
81
17
70
P11
250
INDEX KEY TYPICAL
81
29
70
P37
251
DETAIL -B
SH 204, H7
-D-
48.00
47.00
P21
REF
203
E317
72 82
204
E321
72 82
P20
201
202
P21
24
70
23
70
FASTEN CLAMPS TO BRACKET AT B7, B1
SPOT TIE
81
25
68
P22
205
DETAIL - D
SH 204, C7

2900542 REV LTR SH 207

1/2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

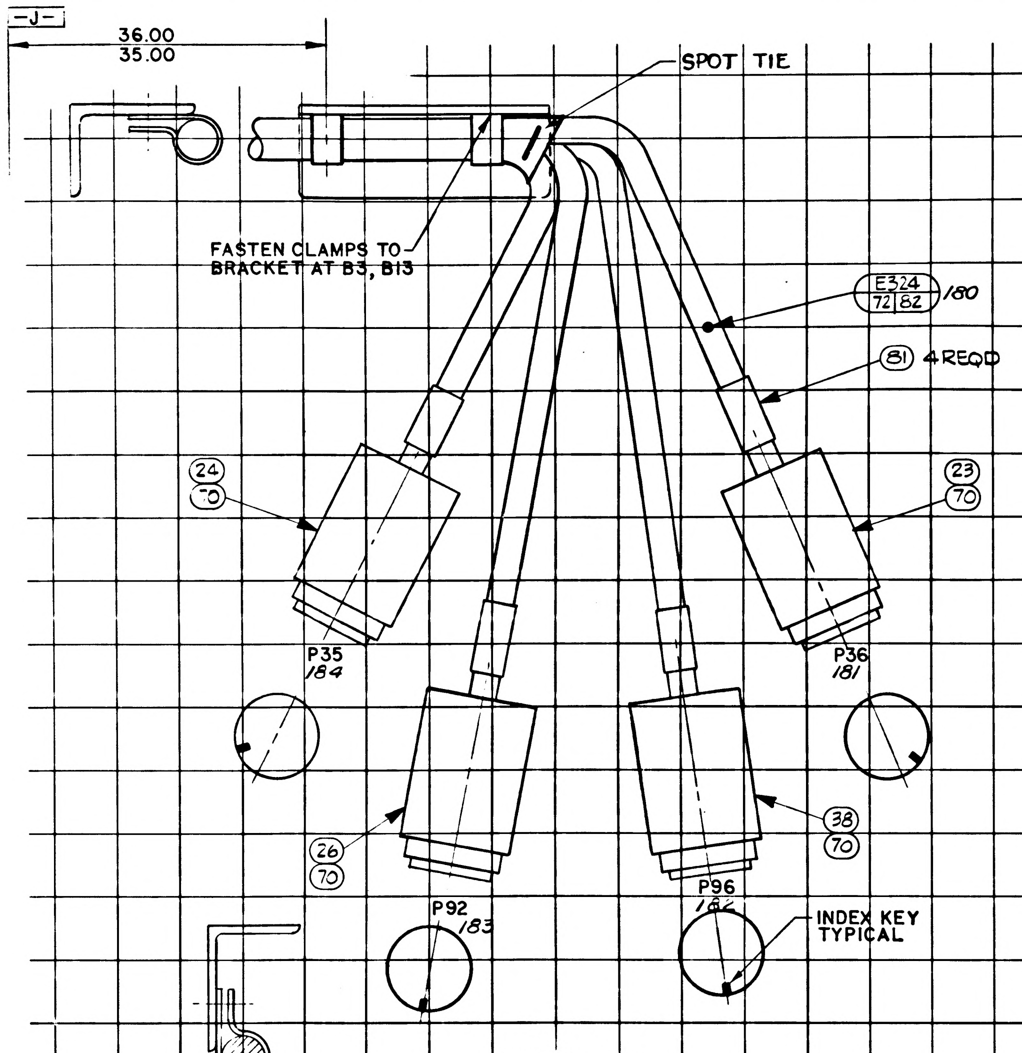
SEE SHEET 1 FOR REVISION RECORD


44.00
43.00
FASTEN CLAMPS TO BRACKET AT C2 C12
SPOT TIE
INDEX KEY TYPICAL
(18)
P12
126
(35)
P94
127
E323
72 82
128
(37)
P68
129
(15)
P93
130
(70)
(26)
131
P65
132
P67
(36)
(18)
(70)
(23)
134
P64
133
P70
135
P66
(15)
136
P69
P63
137
(24)
(70)
(81) 11 REQD
(35)
DETAIL—L
SH 205, C10
61 145 146
P62
125
(81)
E333
72 82
124
-N-
48.00
47.00
FASTEN CLAMPS TO BRACKET AT B7, B13
SPOT TIE
(81)
33 145 146
P60
122
INDEX KEY TYPICAL
(81)
146 145 60
P61
123
DETAIL—M
SH 205, B8

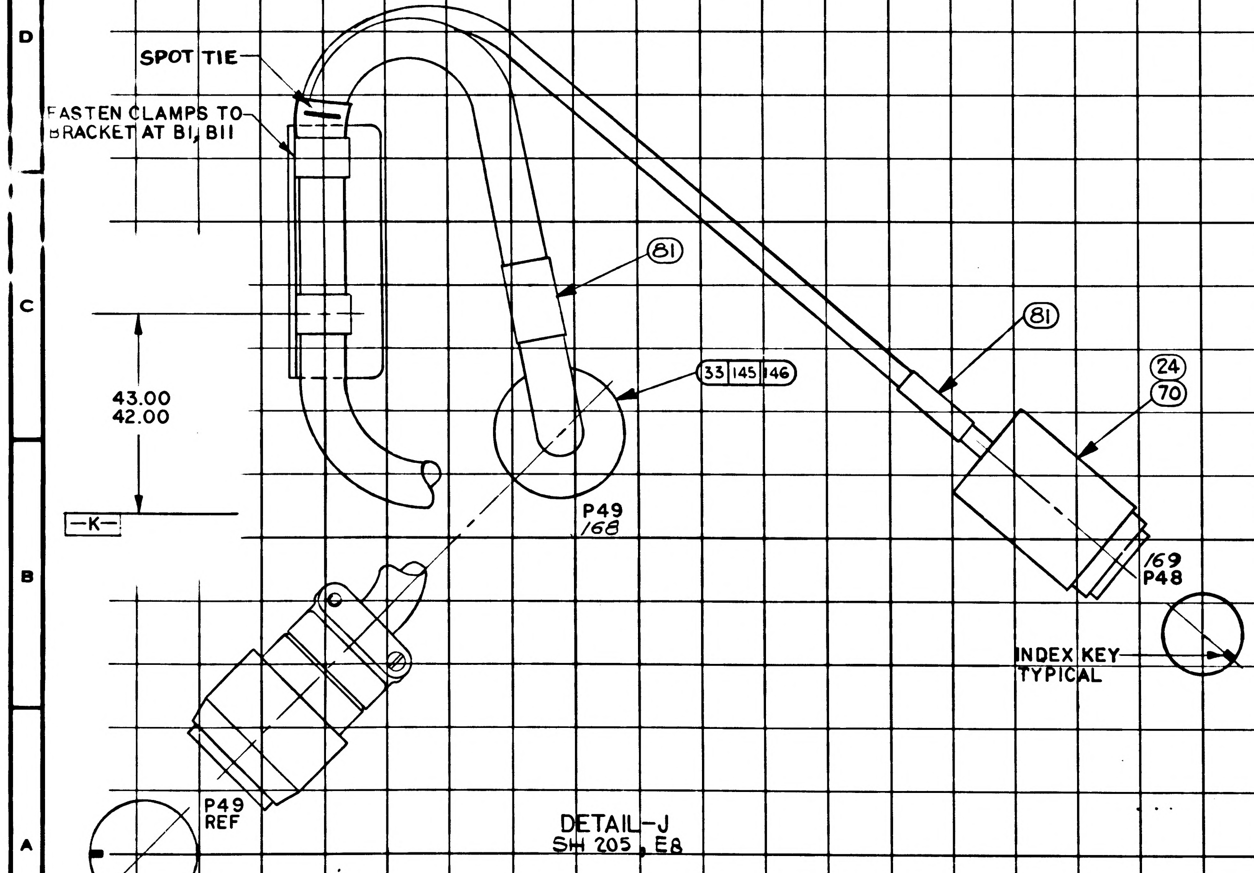
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ± ±	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
	ACSP PN			
	DRAWN MAHAG DATE 19 AUG 65	WIRING HARNESS B		
	CHECKED J. Waylen 19 AUG 65			
	APPROVAL 19 Aug 65			
DO NOT SCALE THIS DRAWING	APPROVAL			
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974	SIZE J2	2900542
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL		SHEET 203 OF 20?

2900542 REV LTR — SH 203

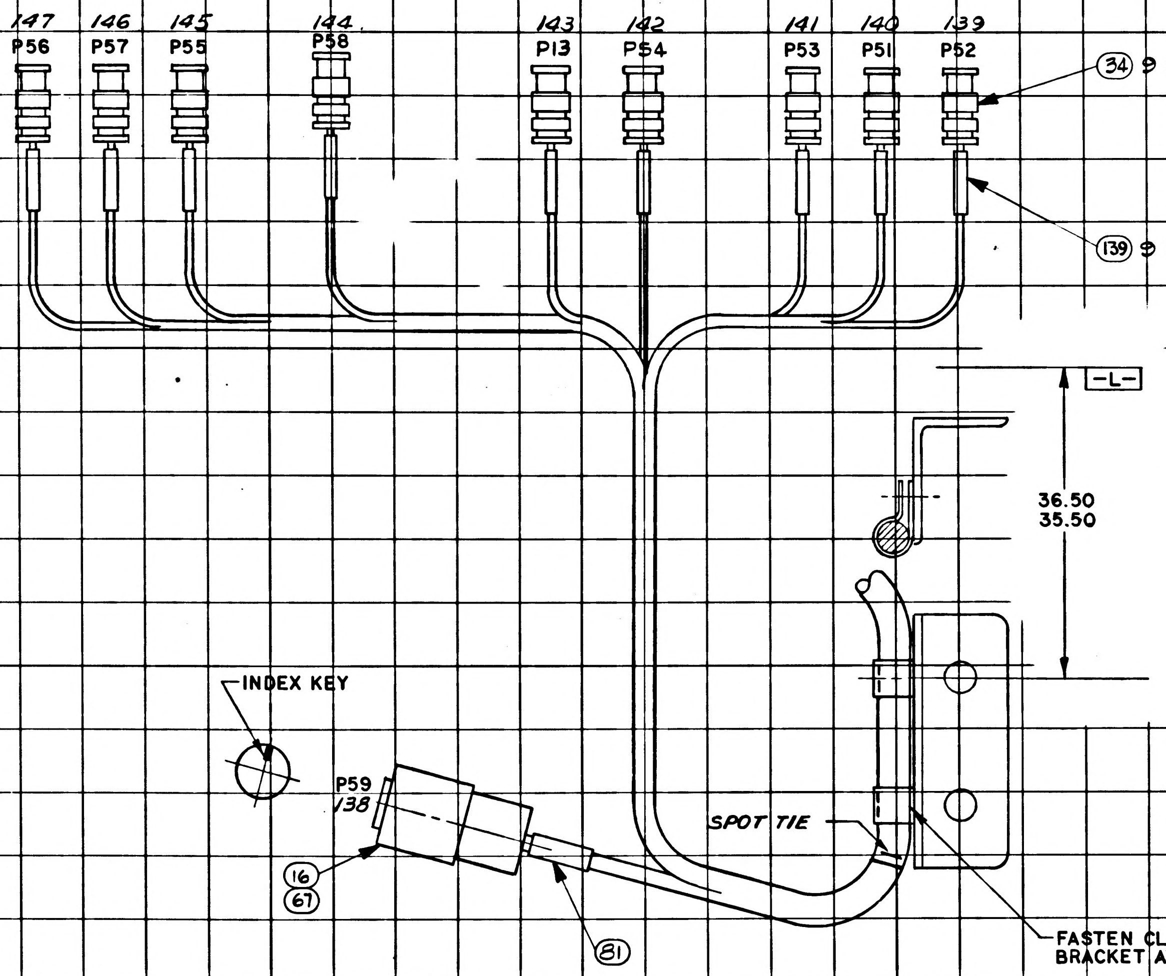
2729005 42


-J-
36.00
35.00
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B13
E324
72 82
180
81 4 REQD
24
70
23
70
P35
184
P36
181
26
70
38
70
P92
183
P96
182
INDEX KEY
TYPICAL

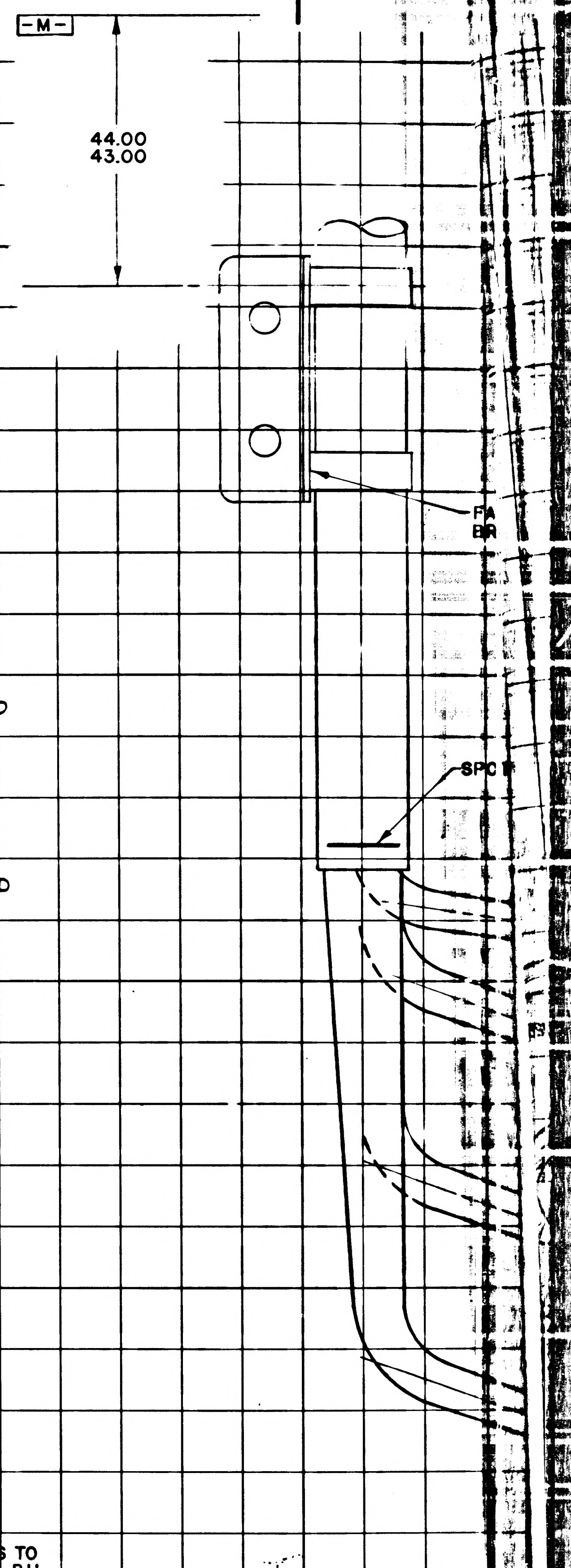
DETAIL – H
SH 204 , B9


SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B1, B11
81
81
43.00
42.00
-K-
33 145 146
24
70
P49
168
169
P48
INDEX KEY
TYPICAL
P49
REF

DETAIL – J
SH 205 , E8

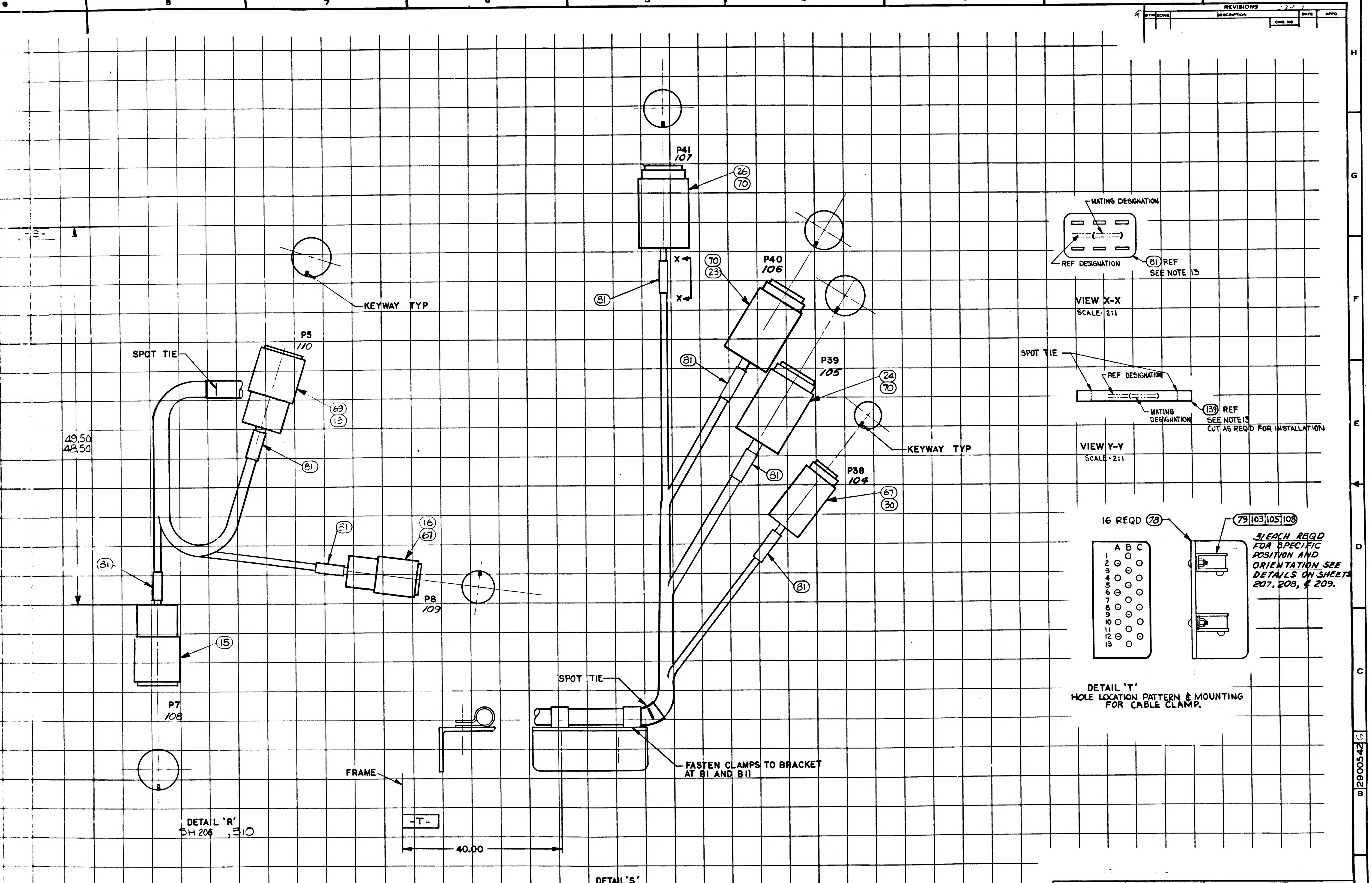

147
P56
146
P57
145
P55
144
P58
143
P13
142
P54
141
P53
140
P51
139
P52
34 9 REQD
139 9 REQD
-L-
36.50
35.50
INDEX KEY
P59
138
16
67
81
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B11

DETAIL – K
SH 205 , C11


-M-
44.00
43.00
FA
BR
SPOT

2900542 REV LTR – SH 20

17 2900542


REVISIONS
SYM
ZONE
DESCRIPTION
CHG NO
DATE
APPD
P41
107
26
70
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X
X
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23
P40
106
81
P39
105
24
70
81
P38
104
67
30
81
KEYWAY TYP
KEYWAY TYP
SPOT TIE
P5
110
69
13
81
49.50
48.50
31
31
16
67
P8
109
15
P7
108
SPOT TIE
FASTEN CLAMPS TO BRACKET AT B1 AND B11
FRAME
-T-
40.00
-S-
DETAIL 'R'
SH 206 , 310
DETAIL 'S'
SH 206 , B8
MATING DESIGNATION
REF DESIGNATION
81 REF
SEE NOTE 13
VIEW X-X
SCALE: 2:1
SPOT TIE
REF DESIGNATION
MATING DESIGNATION
139 REF
SEE NOTE 13
CUT AS REQ'D FOR INSTALLATION
VIEW Y-Y
SCALE: 2:1
16 REQD 78
79 103 105 108
A B C
1 2 3 4 5 6 7 8 9 10 11 12 13
31 EACH REQD FOR SPECIFIC POSITION AND ORIENTATION SEE DETAILS ON SHEETS 207, 208, & 209.
DETAIL 'T'
HOLE LOCATION PATTERN & MOUNTING FOR CABLE CLAMP.
2900542 G

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN MAHAS DATE 17 Aug 65
CHECKED Haylor 19 Aug 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

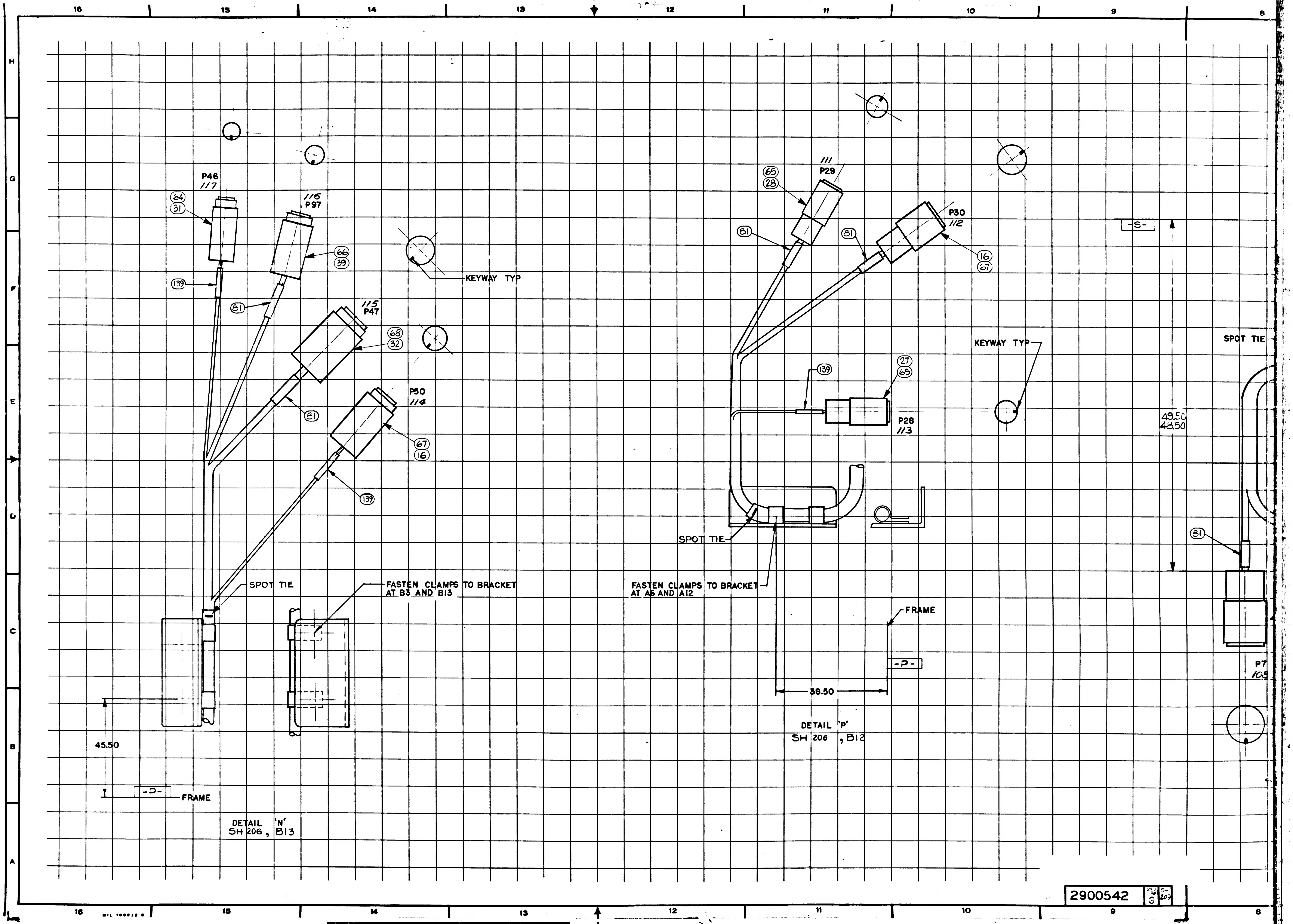
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS 'B'

CODE IDENT NO. 99974
SIZE J2
2900542
SCALE FULL
SHEET [illegible] OF 2C

2900542 G 20

27 2900542


16
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B
A
P46
117
64
31
139
116
P97
66
39
81
KEYWAY TYP
115
P47
68
32
81
P50
114
67
16
139
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B3 AND B13
45.50
-P-
FRAME
DETAIL 'N'
SH 206 , B13
111
P29
65
28
81
81
P30
112
16
67
139
27
65
P28
113
KEYWAY TYP
-S-
49.50
48.50
SPOT TIE
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT A5 AND A12
FRAME
-P-
38.50
DETAIL 'P'
SH 206 , B12
81
P7
105
MIL 1000J2 D

2900542 REV G S-209

1/72900542

APPLICATION		REVISIONS 23419			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION (-) WITH CHANGE. WAS "D" SIZE, SH 1 OF 1.		
		B	REVISED PER MXC 204732	13SEP 65	JWP J.E.G.
		C	REVISED PER MXC 205384	28SEP 65	JWP J.E.G.
		D	REVISED PER MXC 309800	4 OCT 65	JWP J.E.G.
		E	REVISED PER MXC309801	15 OCT 65	E.F.
		F	REVISED PER MXC 206185	19 OCT 65	JWP W.D.
		(M) G	INITIAL RELEASE CLASS A PER TDRR 23419		JR
		(M) H	REVISED PER TDRR 23812	10 NOV 65	PHG MEM
		J	REVISED PER TDRR 24866	28 DEC 65	JWP MEM

REPLACES REV + WITH CHANGE

REV STATUS OF SHEETS	REV	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	REV									J	J	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	SHEET									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Matias DATE 29 JUL 65
CHECKED Jaylew 19 AUG 65
APPROVAL 19 Aug 65
APPROVAL 10/20/65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS E

CODE IDENT NO. 99974 | SIZE A | 2900542 | REV J

SCALE —

SHEET 1 OF 209

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	H	81	H	117	H	153	H	189	H						
46	H	82	H	118	H	154	H	190	H						
47	H	83	H	119	H	155	H	191	H						
48	H	84	H	120	H	156	H	192	H						
49	H	85	H	121	H	157	H	193	H						
50	H	86	H	122	H	158	H	194	H						
51	H	87	H	123	H	159	H	195	H						
52	H	88	H	124	H	160	H	196	H						
53	H	89	H	125	H	161	H	197	H						
54	H	90	J	126	H	162	H	198	H						
55	H	91	H	127	H	163	H	199	H						
56	H	92	H	128	H	164	H	200	H						
57	H	93	H	129	H	165	H	201	H						
58	H	94	H	130	H	166	H	202	H						
59	H	95	H	131	H	167	H	203	H						
60	H	96	H	132	H	168	H	204	H						
61	H	97	H	133	H	169	H	205	H						
62	H	98	H	134	H	170	H	206	H						
63	H	99	H	135	H	171	H	207	H						
64	H	100	H	136	H	172	H	208	H						
65	H	101	H	137	H	173	H	209	H						
66	H	102	H	138	H	174	H								
67	H	103	H	139	H	175	H								
68	H	104	H	140	H	176	H								
69	H	105	H	141	H	177	H								
70	H	106	H	142	H	178	H								
71	H	107	H	143	H	179	H								
72	H	108	H	144	H	180	H								
73	H	109	H	145	H	181	H								
74	H	110	H	146	H	182	H								
75	H	111	H	147	H	183	H								
76	H	112	H	148	H	184	H								
77	H	113	H	149	H	185	H								
78	H	114	H	150	H	186	H								
79	H	115	H	151	H	187	H								
80	H	116	H	152	H	188	H								

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION J

NASA DRAWING NO.
2900542
SHEET 2 OF 209

GENERAL NOTES

NOTE NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002032
B - ND1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 109.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 109.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

9 UNLESS OTHERWISE SPECIFIED APPLY LEAD INDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 112 OR ITEMS 110 AND 1

11 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

GENERAL NOTES

NOTE NUMBER DESCRIPTION

12 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
K - BLACK, WHITE WITH LETTER K OR WHITE WITH BLACK TRACER.
L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER
R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER.
W - WHITE OR WHITE WITH LETTER W.
X - COAX OUTER CONDUCTOR
Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.

13 MARK ITEMS 81 AND 139 PER ND1002019, COLOR BLACK, .12 HIGH IN VIEW X-X AND Y-Y. MARK WITH HARNESS PLUG DESIGINATION AND MATING RECEPTACLE DESIGINATION SHOWN IN TABLE 1

14 USE ITEM 125 AS REQUIRED TO PROVIDE CLAMPING

15 UNLESS OTHERWISE SPECIFIED TUBING SHALL EXTEND A MINIMUM OF .5 INCH BEYOND CABLE CLAMPS SHOWN IN DETAILS A THRU S AND WITHIN 2 INCHS OF THEIR RESPECTIVE DATUMS

16 ON CONDUCTOR 568 MARK LEAD IDENTIFICATIONS PER ND1002019 INCLUDING SUFFIXES

17 THE FOLLOWING CONDUCTORS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER.
568K, 568L, 568R, 568Y

18 TOLERANCE FOR STRIP LENGTHS ON ITEM 118 TO BE PLUS .06, MINUS .00

19 CONNECTORS MUST HAVE A MINIMUM OF THREE CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32 TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

GENERAL NOTES

NOTE NUMBER DESCRIPTION

20 USE TOLERANCE CHART UNLESS OTHERWISE SPECIFIED

21 LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 138 WHENEVER ITEMS 2,9, + 142 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .06 IN.

22 ASSEMBLE CONTACTS IN ALL SPARE CONNECTOR INSERT HOLES OF ALL MS3126 AND 3127 TYPE CONNECTORS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900542-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT
	2	1	2900542-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT
	3	1	2900542-003	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT
	4	1	2900542-004	WIRE, ND1002181, TYPE 1, CLASS 1, 18AWG, WHT
	5	1	2900542-005	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 22AWG, WHT
	6	1	2900542-006	WIRE, ND1002161, TYPE 1, CLASS 4, WHT JACKET, 20AWG, WHT
	7	1	2900542-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 24AWG, WHT/RED, WHT/BLU
	8	1	2900542-008	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 20AWG, WHT/RED, WHT/BLU
	9	1	2900542-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 16AWG, WHT/RED, WHT/BLU
	10	1	2900542-010	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 22AWG, WHT/RED, WHT/BLU
	11	1	2900542-011	WIRE, ND1002181, TYPE 1, CLASS 1, 4AWG, WHT
	12	2	MS3126F14-19S	(1897040-190) CONNECTOR PLUG, ELEC
	13	2	MS3126F22-55P	(1897045-550) CONNECTOR PLUG, ELEC
	14	1	MS3126F22-55PW	(1897045-551) CONNECTOR PLUG, ELEC
7	15	3	1C15907-100	CONNECTOR PLUG, ELEC

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	8	MS3126F16-8S	(1897042-080) CONNECTOR PLUG, ELEC
	17	1	MS3126F24-61PZ	(1897047-614) CONNECTOR PLUG, ELEC
7	18	2	1015907-103	CONNECTOR PLUG, ELEC
7	19	4	1897330-001	CLAMP, CABLE, ELEC
	20	1	MS3126F22-55PX	(1897045-552) CONNECTOR PLUG, ELEC
	21	1	MS3126F22-55SY	(1897046-553) CONNECTOR PLUG, ELEC
	22	1	MS3126F12-10P	(1897038-100) CONNECTOR PLUG, ELEC
	23	7	MS3126F24-61SW	(1897048-611) CONNECTOR PLUG, ELEC
	24	9	MS3126F24-61S	(1897048-610) CONNECTOR PLUG, ELEC
	25	1	MS3126F20-16S	(1897044-160) CONNECTOR PLUG, ELEC
	26	6	MS3126F24-61SX	(1897048-612) CONNECTOR PLUG, ELEC
	27	1	MS3126F12-10SW	(1897039-101) CONNECTOR PLUG, ELEC
	28	1	MS3126F12-10S	(1897039-100) CONNECTOR PLUG, ELEC
	29	1	MS3126F24-61SZ	(1897048-614) CONNECTOR PLUG, ELEC
	30	1	MS3126F16-8SW	(1897042-081) CONNECTOR PLUG, ELEC
	31	1	MS3126F10-6S	(1897026-060) CONNECTOR PLUG, ELEC
	32	1	MS3126F20-41P	(1897043-410) CONNECTOR PLUG, ELEC
7	33	2	1897215-011	CONNECTOR PLUG, ELEC

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	9	1015922-001	CONNECTOR PLUG, ELEC
7	35	2	1015907-101	CONNECTOR PLUG, ELEC
7	36	1	1015907-102	CONNECTOR PLUG, ELEC
7	37	1	1015907-104	CONNECTOR PLUG, ELEC
	38	2	MS3126F24-61SY	(1697048-613) CONNECTOR PLUG, ELEC
	39	1	MS3126F14-19P	(1897089-190) CONNECTOR PLUG, ELEC
7	40	1	1015906-100	CONNECTOR RECEP, ELEC
7	41	1	1015906-101	CONNECTOR RECEP, ELEC
7	42	1	1015906-102	CONNECTOR RECEP, ELEC
7	43	1	1015906-103	CONNECTOR RECEP, ELEC
7	44	1	1015906-104	CONNECTOR RECEP, ELEC
	45	1	MS3127E24-61PY	(1897055-613) CONNECTOR RECEP, ELEC
	46	1	MS3127E24-61PZ	(1897055-614) CONNECTOR RECEP, ELEC
	47	1	MS3127E24-61S	(1897056-610) CONNECTOR RECEP, ELEC
	48	1	MS3127E20-41PW	(1897051-411) CONNECTOR RECEP, ELEC
	49	1	MS3127E14-15S	(1897116-150) CONNECTOR RECEP, ELEC
	50	1	MS3127E22-55PX	(1897053-552) CONNECTOR RECEP, ELEC
	51	1	MS3127E22-55PY	(1897053-553) CONNECTOR RECEP, ELEC

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	52	1	MS3127E22-55PZ	(1897053-554) CONNECTOR RECEP, ELEC
	53	1	MS3127E22-55SW	(1897054-551) CONNECTOR RECEP, ELEC
	54	1	MS3127E22-55SX	(1897054-552) CONNECTOR RECEP, ELEC
	55	1	MS3127E22-55SY	(1897054-553) CONNECTOR RECEP, ELEC
	56	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEP, ELEC
7	57	1	1897214-011	CONNECTOR RECEP, ELEC
7	58	1	1897214-012	CONNECTOR RECEP, ELEC
7	59	1	1897214-013	CONNECTOR RECEP, ELEC
7	60	1	1897215-013	CONNECTOR
7	61	1	1897215-012	CONNECTOR
	62	1	MS3126F20-41S	(1897044-410) CONNECTOR
	63	1	MS3106A18-1P	(1697064-010) CONNECTOR PLUG
7	64	1	1016282- 10	GROMMET, CONNECTOR
7	65	3	1016282- 12	GROMMET, CONNECTOR
7	66	3	1016282- 14	GROMMET, CONNECTOR
7	67	9	1016282- 16	GROMMET, CONNECTOR
7	68	4	1016282- 18	GROMMET, CONNECTOR
7	69	5	1016282- 22	GROMMET, CONNECTOR

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	70	26	1016282- 24	GROMMET, CONNECTOR
7	71	4	1897331-001	ADAPTER, CABLE CLAMP
7	72	35	1016006-003	SPLICE REDUCER
7	73	25	1015902- 45	TERMINAL LUG
7	74	72	1015902- 3	TERMINAL LUG, RING TONGUE, CRIMP
	75		1016295-012	DELETED
	76		1016295-009	DELETED
	77		1016048- 15	DELETED
	78	16	1900448- 11	CLAMP, CABLE, BRACKET ASSY
	79	31	MS21919-WDG2 THRU MS21919-WDG32	(1897073-202 THRU 1897073-224) CLAMP-LOOP TYPE, CUSHIONED (SELECTED AS REQUIRED)
7	80	9	1015905-061	CLAMP, STRAIN RELIEF
7	81	58	1016128-011	BAND, IDENTIFICATION
7	82	35	1010490-198	INSULATION-SLEEVING, ELEC
7	83	100	1010490-196	INSULATION-SLEEVING, ELEC
	84	1	2900542-018	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .50 DIA
	85	1	2900542-019	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .75 DIA
	86	1	2900542-020	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .88 DIA

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	87	1	2900542-021	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.00 DIA
	88	1	2900542-022	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.25 DIA
	89	1	2900542-023	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.50 DIA
7	90	62	1015908- 11	PIN CONTACT
7	91	50	1015908- 41	OUTER MALE BODY
7	92	113	1015908- 51	HYRING
7	93	50	1015908- 21	SOCKET CONTACT
7	94	63	1015908- 31	OUTER FEMALE BODY
7	95	6	1897228-001	COAX CABLE HOUSING CONN.
7	96	106	1897229-001	PIN CONTACT ASSY
7	97	106	1897229-002	RETENTION SPRING
7	98	106	1897229-003	FERRULE
7	99	4	1897333-001	SPLICE, CONDUCTOR
7	100	3	1016369-712	INNER SUPPORT SLEEVE
7	101	3	1016369-713	OUTER SUPPORT SLEEVE
	102		1901464-004	DELETED
7	103	31	1006783-045	SCREW, BUTTON HEAD

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	104		1006783-044	DELETED
	105		MS35234-69	DELETED
	106	31	AN960C10L	(1897006- 19) WASHER, FLAT
	107		MS35338-081	DELETED
	108	31	1896990-011	NUT, SELF LOCKING
	109	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO. 18)
	110	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	111	AR	MIL-F-14256	FLUX (ES2798)
	112	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
7	113	491	1897266-001	CONTACT, RECEP, ELEC
	114		MS3192A-20A	(1896855-020) CONTACT, PIN(FURNISHED WITH CONN)
	115		MS3193A-20A	(1896877-020) CONTACT, SOCKET(FURNISHED WITH CONN)
	116		MS3192-16A	(1896855-016) CONTACT, PIN(FURNISHED WITH CONN)
	117		MS3193-16A	(1896877-016) CONTACT, SOCKET(FURNISHED WITH CONN)
	118	1	2900542-012	CABLE, RF, COAXIAL, MIL-C-17 RG188/U
7	119	246	1010763-002	SLEEVE, SOLDER, ELEC
7	120	743	1010490-228	INSULATION-SLEEVING, ELEC

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	121	16	1010763- 3	SLEEVE, SOLDER, ELEC
	122		2900542-013	DELETED
7	123	52	1897267	CONNECTOR RECEP, ELEC
7	124	20	1010490-232	INSULATION-SLEEVING, ELEC
	125	1	2900542-025	INSULATION, ELEC, MIL-I-631, TYPE F, FORM S, .62 IN. WIDE X .040 IN. THICK, GRADE A, CLASS 1 BLACK
7	126	12	1016281-180	CONTACT-PIN
7	127	35	1016281-181	CONTACT-SOCKET
7	128	96	1016369-588	HYRING
7	129	26	1016369-288	CONTACT-OUTER MALE
7	130	27	1016369-388	CONTACT-INNER FEMALE
7	131	70	1016369-488	CONTACT-OUTER FEMALE
7	132	71	1016369-188	CONTACT-INNER MALE
7	133	6	1016369-420	CONTACT-MALE NO. 20
7	134	67	1016369-421	CONTACT-FEMALE NO. 20
7	135	3	1016369-720	CONTACT-MALE NO. 16
7	136	2	1016369-721	CONTACT-FEMALE NO. 16
	137	1	2900542-014	WIRE, ND1002181, TYPE III, CLASS 1, T3, WHT, 22AWG, MARKED R,L,Y

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	138	42	1897266-004	CONTACT, RECEPT, ELECT
7	139	66	1015864-462	INSULATION SLEEVING
	140	1	2900542-015	WIRE, ND1002181, TYPE II, CLASS 1, T2, 22AWG, WHT MARKED L,R
	141		2900542-016	DELETED
	142	1	2900542-017	WIRE, ND1002181, TYPE II, CLASS 1, T2, 16AWG, WHT MARKED L,R
	143	1	2900542-024	WIRE ND1002181 TYPE 3 CLASS 4, WHT JACKET, 20AWG WHT/RED WHT/BLU WHT/YEL
7	144	2	1897342-003	LUG, TERMINAL
	145	4	1897331-001	ADAPTER, CABLE CLAMP
	146	4	1897330-001	CLAMP STRAIN RELIEF
	147	1	1016006-002	SPLICE REDUCER

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 1E			J8-G1 P12-G1	27 126				.11 .11	NO NO		93 90	
B 1X			J8-G2 P12-G2	27 126								
B 2	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 2E			J8-J1 P12-J1	27 126				.11 .11	NO NO		93 90	
B 2X			J8-J2 P12-J2	27 126								
B 3	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 3E			J8-K1 P12-K1	27 126				.11 .11	NO NO		93 90	
B 3X			J8-K2 P12-K2	27 126								
B 4	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 4E			J8-H1 P12-H1	27 126				.11 .11	NO NO		93. 90	
B 4X			J8-H2 P12-H2	27 126								

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H SHEET 15 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 5E			J8-A1 P127A-1A	27 170A				.11 .11	NO NO		93 96	
B 5X			J8-A2 P127A-1B	27 170A								
B 6	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 6E			J8-B1 P127A-2A	27 170A				.11 .11	NO NO		93 96	
B 6X			J8-B2 P127A-2B	27 170A								
B 7	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 7E			J8-C1 P127A-3A	27 170A				.11 .11	NO NO		93 96	
B 7X			J8-C2 P127A-3B	27 170A								
B 8	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 8E			J8-D1 P127A-4A	27 170A				.11 .11	NO NO		93 96	
B 8X			J8-D2 P127A-4B	27 170A								

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H SHEET 16 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 9	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 9E			J8-E1 P127A-5A	27 170A				.11 .11	NO NO		93 96	
B 9X			J8-E2 P127A-5B	27 170A								
B 10	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 10E			J8-F1 P127A-6A	27 170A				.11 .11	NO NO		93 96	
B 10X			J8-F2 P127A-6B	27 170A								
B 11	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 11B	1		P14-H SHLD B11	27				.22 .25	NO NO		114	
B 11E			J9-C1 P14-J	27 197				.11 .22	NO NO		93 114	
B 11X			J9-C2 SHLD B11	27								
B 12	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 12B	1		P14-G SHLD B12	197				.22 .25	NO NO		114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H SHEET 17 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 12E			J9-D1 P14-F	25 197				.11 .22	NO NO		93 114	
B 12X			J9-D2 SHLD B12	25								
B 13	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 13E			J9-E1 P127A-9A	25 170A				.11 .11	NO NO		93 96	
B 13X			J9-E2 P127A-9B	25 170A								
B 14	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 14E			J9-F1 P127A-10A	25 170A				.11 .11	NO NO		93 96	
B 14X			J9-F2 P127A-10B	25 170A								
B 15	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 15E			J9-G1 P127A-11A	25 170A				.11 .11	NO NO		93 96	
B 15X			J9-G2 P127A-11B	25 170A								
B 16	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H SHEET 18 OF 209

MIL 2084 9 65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16E			J9-J1 P127A-13A	25 170A				.11 .11	NO NO		93 96	
B 16X			J9-J2 P127A-13B	25 170A								
B 17	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 17E			J9-A1 P12-A1	25 126				.11 .11	NO NO		93 90	
B 17X			J9-A2 P12-A2	25 126								
B 18	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 18E			J9-B1 P12-B1	25 126				.11 .11	NO NO		93 90	
B 18X			J9-B2 P12-B2	25 126								
B 19	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 19E			J9-K1 P127A-14A	25 170A				.11 .11	NO NO		93 96	
B 19X			J9-K2 P127A-14B	25 170A								
B 20	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 19 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20E			J9-H1 P127A-12A	25 170A				.11 .11	NO NO		93 96	
B 20X			J9-H2 P127A-12B	25 170A								
B 21	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,120	
B 21B	1		P14-C* SHLD B21	197				.22 .25	NO NO		114	
B 21E			J13-A1 P14-D*	29 197				.11 .22	NO NO		93 114	
B 21X			J13-A2 SHLD B21	29								
B 22	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 22E			J13-E1 P127A-17A	29 170A				.11 .11	NO NO		93 96	
B 22X			J13-E2 P127A-17B	29 170A								
B 23	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 23E			J13-F1 P127A-18A	29 170A				.11 .11	NO NO		93 96	
B 23X			J13-F2 P127A-18B	29 170A								

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 20 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 24	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 24E			J13-G1 P127A-19A	29 170A				.11 .11	NO NO		93 96	
B 24X			J13-G2 P127A-19B	29 170A								
B 25	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 25E			J13-J1 P127A-21A	29 170A				.11 .11	NO NO		93 96	
B 25X			J13-J2 P127A-21B	29 170A								
B 26	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 26E			J13-K1 P127A-24A	29 170A				.11 .11	NO NO		93 96	
B 26X			J13-K2 P127A-24B	29 170A								
B 27	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 27E			J13-H1 P127A-20A	29 170A				.11 .11	NO NO		93 96	
B 27X			J13-H2 P127A-20B	29 170A								

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SCALE-NONE | REV LTR H | SHEET 21 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 28	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,124,120	
B 28B	1		P26-P* SHLD B28	194				.22 .25	NO NO		115	
B 28E			J13-B1 P26-N*	29 194				.11 .22	NO NO		93 115	
B 28X			J13-B2 SHLD B28	29								
B 29	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,124,120	
B 29B	1		P25-V* SHLD B29	195				.22 .25	NO NO		115	
B 29E			J13-D1 P25-U*	29 195				.11 .22	NO NO		93 115	
B 29X			J13-D2 SHLD B29	29								
B 30	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,124,120	
B 30B	1		P25-Z* SHLD B30	195				.22 .25	NO NO		115	
B 30E			J13-C1 P25-Y*	29 195				.11 .22	NO NO		93 115	
B 30X			J13-C2 SHLD B30	29								

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SCALE-NONE | REV LTR H | SHEET 22 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,124,120	
B 31B	1		P26-PP SHLD B31	 194				.22 .25	NO NO		115	
B 31E			J14-K1 P26-NN	28 194				.11 .22	NO NO		93 115	
B 31X			J14-K2 SHLD B31	28								
B 32	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,124,120	
B 32B	1		P15-Y SHLD B32	198				.22 .25	NO NO		114	
B 32E			J14-A1 P15-Z	28 198				.11 .22	NO NO		93 114	
B 32X			J14-A2 SHLD B32	28								
B 33	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 33E			J14-B1 P128A-1A	28 171				.11 .11	NO NO		93 96	
B 33X			J14-B2 P128A-1B	28 171								
B 34	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34E			J14-C1 P128A-2A	28 171				.11 .11	NO NO		93 96	
B 34X			J14-C2 P128A-2B	28 171								
B 35	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 35E			J14-D1 P128A-3A	28 171				.11 .11	NO NO		93 96	
B 35X			J14-D2 P128A-3B	28 171								
B 36	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 36E			J14-E1 P128A-4A	28 171				.11 .11	NO NO		93 96	
B 36X			J14-E2 P128A-4B	28 171								
B 37	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	
B 37E			J14-F1 P128A-5A	28 171				.11 .11	NO NO		93 96	
B 37X			J14-F2 P128A-5B	28 171								
B 38	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 38E			J15-A1 P128A-8A	26 171				.11 .11	NO NO		93 96	
B 38X			J15-A2 P128A-8B	26 171								
B 39	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,120	
B 39B	1		P14-V SHLD B39	197				.22 .25	NO NO		114	
B 39E			J15-B1 P14-U	26 197				.11 .22	NO NO		93 114	
B 39X			J15-B2 SHLD B39	26								
B 40	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 40E			J15-G1 P128A-10A	26 171				.11 .11	NO NO		93 96	
B 40X			J15-G2 P128A-10B	26 171								
B 41	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 41E			J15-J1 P128A-12A	26 171				.11 .11	NO NO		93 96	
B 41X			J15-J2 P128A-12B	26 171								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 42E			J15-K1 P128A-13A	26 171				.11 .11	NO NO		93 96	
B 42X			J15-K2 P128A-13B	26 171								
B 43	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 43E			J15-H1 P128A-11A	26 171				.11 .11	NO NO		93 96	
B 43X			J15-H2 P128A-11B	26 171								
B 44	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 44E			J15-C1 P128A-9A	26 171				.11 .11	NO NO		93 96	
B 44X			J15-C2 P128A-9B	26 171								
B 45	118				.52 4.00	.23 3.75				A,9 B,68	91, 92,120 119,120	
B 45B	1		P14-H* SHLD B45	197				.22 .25	NO NO		114	
B 45E			J15-D1 P14-I*	26 197				.11 .22	NO NO		93 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45X			J15-D2 SHLD B45	26								
B 46	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 46B	1		P14-K SHLD B46	197				.22 .25	NO NO		114	
B 46E			J15-E1 P14-L	26 197				.11 .22	NO NO		93 114	
B 46X			J15-F2 SHLD B46	26								
B 47	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 47B	1		P14-Y SHLD B47	197				.22 .25	NO NO		114	
B 47E			J15-F1 P14-Z	26 197				.11 .22	NO NO		93 114	
B 47X			J15-F2 SHLD B47	26								
B 48	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 48B	1		P1040-31 SHLD B48	68				.12 .25	NO NO		113	
B 48L			J16-H* P1040-12	20 68				.22 .12	NO NO		114 113	

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REV LTR H
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
B 48R			J16-G* P1040-11	20 68				.22 .12	NO NO		114 113	
B 49	1		J16-HH P92-Y*	20 183				.22 .22	NO NO		114 115	
B 50	1		J16-D* P98-GG	20 187				.22 .22	NO NO		114 115	
B 51	1		J16-E* P98-HH	20 187				.22 .22	NO NO		114 115	
B 52	1		J16-F* P98-FF	20 187				.22 .22	NO NO		114 115	
B 53	1		J16-CC P92-V*	20 183				.22 .22	NO NO		114 115	
B 54	1		J16-BB P92-W*	20 183				.22 .22	NO NO		114 115	
B 55	1		J16-FF P92-U*	20 183				.22 .22	NO NO		114 115	
B 56	1		J16-EE P92-T*	20 183				.22 .22	NO NO		114 115	
B 57	1		J16-X* P92-S*	20 183				.22 .22	NO NO		114 115	
B 58	1		J16-Y* P92-R*	20 183				.22 .22	NO NO		114 115	
B 59	1		J16-LL P99-JJ	20 186				.22 .22	NO NO		114 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 28 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 60	1		J16-MM P99-MM	20 186				.22 .22	NO NO		114 115	
B 61	1		J16-PP P99-LL	20 186				.22 .22	NO NO		114 115	
B 62	1		J16-NN P99-KK	20 186				.22 .22	NO NO		114 115	
B 63	1		J16-B E301-B	20 39				.22 .25	NO NO		114	
B 64	1		J16-M P26-Y	20 194				.22 .22	NO NO		114 115	
B 65	1		J16-A P26-V*	20 194				.22 .22	NO NO		114 115	
B 66	1		J16-R P26-KK	20 194				.22 .22	NO NO		114 115	
B 67	1		J16-N P92-X*	20 194				.22 .22	NO NO		114 115	
B 68	1		J16-P P96-MM	20 182				.22 .22	NO NO		114 115	
B 69	1		J16-Z* P96-HH	20 182				.22 .22	NO NO		114 115	
B 70	1		J16-DD P96-FF	20 182				.22 .22	NO NO		114 115	
B 71	1		J16-GG P96-GG	20 182				.22 .22	NO NO		114 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 29 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	1		J16-JJ P96-JJ	20 182				.22 .22	NO NO		114 115	
B 73	1		J16-KK P96-KK	20 182				.22 .22	NO NO		114 115	
B 74	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 74B	1		E301-B SHLD B74	39				.25 .25	NO NO			
B 74L			J16-N* P108D-12	20 45				.22 .12	NO NO		114 113	
B 74R			J16-M* P108D-11	20 45				.22 .12	NO NO		114 113	
B 75	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 75B	1		E301-B SHLD B75	39				.25 .25	NO NO			
B 75L			J16-J* P108D-16	20 45				.22 .12	NO NO		114 113	
B 75R			J16-K* P108D-15	20 45				.22 .12	NO NO		114 113	
B 76	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 76B	1		E301-B SHLD B76	39				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 30 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 76L			J16-S* P108D-18	20 45				.22 .12	NO NO		114 113	
B 76R			J16-R* P108D-17	20 45				.22 .12	NO NO		114 113	
B 77	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 77B	1		E301-B SHLD B77	39				.25 .25	NO NO			
B 77L			J16-Q* P108D-22	20 45				.22 .12	NO NO		114 113	
B 77R			J16-P* P108D-21	20 45				.22 .12	NO NO		114 113	
B 78	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 78B	1		E301-B SHLD B78	39				.25 .25	NO NO			
B 79L			J16-W* P108D-24	20 45				.22 .12	NO NO		114 113	
B 78R			J16-V* P108D-23	20 45				.22 .12	NO NO		114 113	
B 79	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 79B	1		E301-B SHLD B79	39				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 31 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 79L			J16-U* P108D-28	20 45				.22 .12	NO NO		114 113	
B 79R			J16-T* P108D-27	20 45				.22 .12	NO NO		114 113	
B 80	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 80A	1		SHLD B80 E303-B	 16				.25 .25	NO NO			
B 80L			J17-HH P21-K*	15 202				.22 .22	NO NO		114 115	
B 80R			J17-GG P21-J*	15 202				.22 .22	NO NO		114 115	
B 81	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 81A	1		SHLD B81 E303-B	 16				.25 .25	NO NO			
B 81L			J17-KK P21-I*	15 202				.22 .22	NO NO		114 115	
B 81R			J17-JJ P21-H*	15 202				.22 .22	NO NO		114 115	
B 82	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 82B	1		P117D-32 SHLD B82	35				.12 .25	NO NO		113 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 32 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 82L			J17-FF P117D-16	15 35				.22 .12	NO NO		114 113	
B 82R			J17-EE P117D-15	15 35				.22 .12	NO NO		114 113	
B 83	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 83B	1		E306-B SHLD B83	57				.25 .25	NO NO			
B 83L			J17-DD P116A-10	15 58				.22 .12	NO NO		114 113	
B 83R			J17-CC P116A-9	15 58				.22 .12	NO NO		114 113	
B 84	1		J17-B E303-B	15 57				.22 .25	NO NO		114	
B 85	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 85B	1		E303-B SHLD B85	57				.25 .25	NO NO			
B 85L			J17-L P35-H*	15 184				.22 .22	NO NO		114 115	
B 85R			J17-K P35-I*	15 184				.22 .22	NO NO		114 115	
B 86	1		J17-D P26-Q*	15 194				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 33 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 87	1		J17-E P25-X*	15 195				.22 .22	NO NO		114 115	
B 88	1		J17-F P25-W*	15 195				.22 .22	NO NO		114 115	
B 89	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 89B	1		E304-B SHLD B89	62				.25 .25	NO NO			
B 89L			J17-B* P107D-28	15 64				.22 .12	NO NO		114 113	
B 89R			J17-A* P107D-27	15 64				.22 .12	NO NO		114 113	
B 90	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 90B	1		E304-B SHLD B90	62				.25 .25	NO NO			
B 90L			J17-C* P107D-29	15 64				.22 .12	NO NO		114 113	
B 90R			J17-D* P107D-30	15 64				.22 .12	NO NO		114 113	
B 91	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 91B	1		E302-B SHLD B91	40				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 34 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 91L			J17-K* P108D-4	15 45				.22 .12	NO NO		114 113	
B 91R			J17-J* P108D-3	15 45				.22 .12	NO NO		114 113	
B 92	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 92B	1		E302-B SHLD B92	40				.25 .25	NO NO			
B 92L			J17-N* P108D-6	15 45				.22 .12	NO NO		114 113	
B 92R			J17-M* P108D-5	15 45				.22 .12	NO NO		114 113	
B 93	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 93B	1		E302-B SHLD B93	40				.25 .25	NO NO			
B 93L			J17-U* P108D-10	15 45				.22 .12	NO NO		114 113	
B 93R			J17-T* P108D-9	15 45				.22 .12	NO NO		114 113	
B 94	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 94B	1		P105D-32 SHLD B94	47				.12 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 94L			J17-W* P105D-28	15 47				.22 .12	NO NO		114 113	
B 94R			J17-V* P105D-27	15 47				.22 .12	NO NO		114 113	
B 95	1		J18-FF P21-K*	12 202				.22 .22	NO NO		115 115	
B 96	1		J18-GG P21-M*	12 202				.22 .22	NO NO		115 115	
B 97	1		J18-N* P92-B*	12 183				.22 .22	NO NO		115 115	
B 98	1		J18-M* P92-A*	12 183				.22 .22	NO NO		115 115	
B 99	1		J18-K* P92-Y	12 183				.22 .22	NO NO		115 115	
B 100	1		J18-KK P36-Z	12 181				.22 .22	NO NO		115 115	
B 101	1		J18-H* P108D-1	12 45				.22 .12	NO NO		115 113	
B 102	1		J18-G* P98-E	12 187				.22 .22	NO NO		115 115	
B 103	1		J18-Q* P31-G	12 191				.22 .22	NO NO		115 115	
B 104	1		J18-U* P31-H	12 191				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 105	1		J18-X* P31-N	12 191				.22 .22	NO NO		115 115	
B 106	1		J18-S* P31-CC	12 191				.22 .22	NO NO		115 115	
B 107	1		J18-R* P31-EE	12 191				.22 .22	NO NO		115 115	
B 108	1		J18-W* P31-AA	12 191				.22 .22	NO NO		115 115	
B 109	1		J18-V* P31-Z*	12 191				.22 .22	NO NO		115 115	
B 110	1		J18-Z* P31-T*	12 191				.22 .22	NO NO		115 115	
B 111	1		J18-Y* P31-Y*	12 191				.22 .22	NO NO		115 115	
B 112	1		J18-J* P92-Z	12 183				.22 .22	NO NO		115 115	
B 113	1		J18-CC P130E-9	12 22E				.22 .12	NO NO		115 113	
B 114	3		J18-B E307-B	12 13				.22 .25	NO NO		115	
B 115	3		J18-C TB7-1	12 224				.22 .20	NO NO		115 74	
B 116	1		J18-D P96-NN	12 182				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 117	1		J18-E P96-PP	12 182				.22 .22	NO NO		115 115	
B 118	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 118A	1		SHLD B118 E307-B	 13				.25 .25	NO NO			
B 118L			J18-G P35-V*	12 184				.22 .22	NO NO		115 115	
B 118R			J18-F P35-U*	12 184				.22 .22	NO NO		115 115	
B 119	1		J18-U P31-F	12 191				.22 .22	NO NO		115 115	
B 120	1		J18-V P33-Z	12 189				.22 .22	NO NO		115 115	
B 121	1		J18-W P31-FF	12 191				.22 .22	NO NO		115 115	
B 122	1		J18-X P27-Z	12 185				.22 .22	NO NO		115 115	
B 123	1		J18-AA P25-EE	12 195				.22 .22	NO NO		115 115	
B 124	1		J18-BB P25-PP	12 195				.22 .22	NO NO		115 115	
B 125	1		J18-DD P102D-1	12 49				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 126	1		J18-EE	12				.22	NO		115	
			P26-JJ	194				.22	NO		115	
B 127	1		J18-NN	12				.22	NO		115	
			P24-N*	196				.22	NO		115	
B 128	1		J19-T	7				.22	NO		114	
			P11-A	250				.22	NO		114	
B 129	1		J19-P*	7				.22	NO		114	
			P11-B	250				.22	NO		114	
B 130	1		J19-N*	7				.22	NO		114	
			P11-C	250				.22	NO		114	
B 131			DELETED									
B 132			DELETED									
B 133	1		J19-Z	7				.22	NO		114	
			P11-F	250				.22	NO		114	
B 134	1		J19-A*	7				.22	NO		114	
			P11-G	250				.22	NO		114	
B 135	1		J19-B*	7				.22	NO		114	
			P11-K	250				.22	NO		114	
B 136	1		J19-C*	7				.22	NO		114	
			P37-C	251				.22	NO		115	
B 137	1		J19-J*	7				.22	NO		114	
			E309-B	9				.25	NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 147	3		J19-E	7				.22	NO		114	
			P100D-3	87				.12	NO		113	
B 148	3		J19-F	7				.22	NO		114	
			P100D-4	87				.12	NO		113	
B 151	10				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120	
B 151A	1		SHLD B151					.25	NO			
			E338-B	8				.25	NO			
B 151L			J19-G*	7				.22	NO		114	
			P11-J	250				.22	NO			
B 151R			J19-H*	7				.22	NO		114	
			P11-H	250				.22	NO			
B 152	10				4.00	3.75				B,6A	120,121,119	
					2.25	2.00				A,7	120	
B 152A	1		SHLD B152					.25	NO			
			E309-B	9				.25	NO			
B 152L			J19-Y	7				.22	NO		116	
			P11-T	250				.22	NO		114	
B 152R			J19-X	7				.22	NO		116	
			P11-S	250				.22	NO		114	
B 153	2		J20-N	5				.22	NO		127	
			TB7-7	219				.20	NO		74	
B 154	2		J20-D	5				.22	NO		127	
			TB8-5	211				.20	NO		74	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 155	1		J20-M	5				.22	NO		115	
			P24-S	196				.22	NO		115	
B 156	1		J20-C	5				.22	NO		115	
			P24-C*	196				.22	NO		115	
B 157	1		J20-H	5				.22	NO		115	
			P129F-32	23F				.12	NO		138	
B 158	1		J20-E	5				.22	NO		115	
			P129F-27	23F				.12	NO		113	
B 159	1		J20-F	5				.22	NO		115	
			P129F-24	23F				.12	NO		113	
B 160	1		J20-G	5				.22	NO		115	
			P129F-23	23F				.12	NO		113	
B 161	1		J21-R*	2				.22	NO		114	
			P96-A	182				.22	NO		115	
B 162	1		J21-Q*	2				.22	NO		114	
			P96-B	182				.22	NO		115	
B 163	1		J21-P*	2				.22	NO		114	
			P96-C	182				.22	NO		115	
B 164	1		J21-N*	2				.22	NO		114	
			P96-D	182				.22	NO		115	
B 165	1		J21-M*	2				.22	NO		114	
			P96-E	182				.22	NO		115	
B 166	1		J21-B*	2				.22	NO		114	
			P96-G	182				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 167	1		J21-C*	2				.22	NO		114	
			P96-H	182				.22	NO		115	
B 168	1		J21-D*	2				.22	NO		114	
			P96-J	182				.22	NO		115	
B 169	1		J21-E*	2				.22	NO		114	
			P96-K	182				.22	NO		115	
B 170	1		J21-F*	2				.22	NO		114	
			P96-L	182				.22	NO		115	
B 171	1		J21-G*	2				.22	NO		114	
			P96-M	182				.22	NO		115	
B 172	1		J21-H*	2				.22	NO		114	
			P96-N	182				.22	NO		115	
B 173	1		J21-J*	2				.22	NO		114	
			P96-P	182				.22	NO		115	
B 174	1		J21-K*	2				.22	NO		114	
			P96-R	182				.22	NO		115	
B 175	1		J21-A*	2				.22	NO		114	
			P96-S	182				.22	NO		115	
B 176	1		J21-Z*	2				.22	NO		114	
			P98-N*	187				.22	NO		115	
B 177	1		J21-HH	2				.22	NO		114	
			P98-G*	187				.22	NO		115	
B 178	1		J21-EE	2				.22	NO		114	
			P98-DD	187				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
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SCALE-NONE
REV LTR H

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 179	1		J21-V P98-H*	2 187				.22 .22	NO NO		114 115	
B 180	1		J21-L P98-J*	2 187				.22 .22	NO NO		114 115	
B 181	1		J21-M P98-CC	2 187				.22 .22	NO NO		114 115	
B 182	1		J21-X* P98-I*	2 187				.22 .22	NO NO		114 115	
B 183	1		J21-GG P98-V	2 187				.22 .22	NO NO		114 115	
B 184	1		J21-DD P98-U	2 187				.22 .22	NO NO		114 115	
B 185	1		J21-N P98-T	2 187				.22 .22	NO NO		114 115	
B 186	1		J21-J P98-S	2 187				.22 .22	NO NO		114 115	
B 187	1		J21-K P98-R	2 187				.22 .22	NO NO		114 115	
B 188	1		J21-S P99-FF	2 186				.22 .22	NO NO		114 115	
B 189	1		J21-FF P98-S*	2 186				.22 .22	NO NO		114 115	
B 190	1		J21-Y* P98-R*	2 186				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 191	1		J21-AA P98-P*	2 186				.22 .22	NO NO		114 115	
B 192	1		J21-BB P98-M*	2 186				.22 .22	NO NO		114 115	
B 193	1		J21-CC P98-PP	2 186				.22 .22	NO NO		114 115	
B 194	1		J21-B P129F-32	2 23F				.22 .12	NO NO		114	
B 195	1		J21-C P35-CC	2 184				.22 .22	NO NO		114 115	
B 196	1		J21-D P35-DD	2 184				.22 .22	NO NO		114 115	
B 197	1		J21-E P35-EE	2 184				.22 .22	NO NO		114 115	
B 198	1		J21-F P35-FF	2 184				.22 .22	NO NO		114 115	
B 199	1		J21-G P35-GG	2 184				.22 .22	NO NO		114 115	
B 200	1		J21-H P35-HH	2 184				.22 .22	NO NO		114 115	
B 201	1		J21-P P92-P*	2 183				.22 .22	NO NO		114 115	
B 202	1		J21-R P92-Q*	2 183				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 203	1		J21-U P98-EE	2 187				.22 .22	NO NO		114 115	
B 204	1		J21-W P35-JJ	2 184				.22 .22	NO NO		114 115	
B 205	1		J21-X P35-W	2 184				.22 .22	NO NO		114 115	
B 206	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 206A	1		SHLD B206 E310-B	 19				.25 .25	NO NO			
B 206L			J22-Q* P35-B*	18 184				.22 .22	NO NO		114 115	
B 206R			J22-P* P35-C*	18 184				.22 .22	NO NO		114 115	
B 207	1		J22-C* P35-G*	18 184				.22 .22	NO NO		114 115	
B 208	1		J22-A* P35-X	18 184				.22 .22	NO NO		114 115	
B 209	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 209B	3		E305-B SHLD B209	61				.25 .25	NO NO			
B 209L			J22-V P107D-11	18 64				.22 .12	NO NO		114 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 209R			J22-U P107D-13	18 64				.22 .12	NO NO		114 113	
B 210	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 210B	3		E305-B SHLD B210	61				.25 .25	NO NO			
B 210L			J22-X P107D-17	18 64				.22 .12	NO NO		114 113	
B 210R			J22-W P107D-19	18 64				.22 .12	NO NO		114 113	
B 211	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 211B	3		E305-B SHLD B211	61				.25 .25	NO NO			
B 211L			J22-Z P107D-23	18 64				.22 .12	NO NO		114 113	
B 211R			J22-Y P107D-25	18 64				.22 .12	NO NO		114 113	
B 212	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 212B	1		E310-B SHLD B212	19				.25 .25	NO NO			
B 212L			J22-T P11-FF	18 250				.22 .22	NO NO		114 114	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 212R			J22-S	18				.22	NO		114	
			P11-X	250				.22	NO		114	
B 213	7				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120	
B 213A	1		SHLD B213					.25	NO			
			E310-B	19				.25	NO			
B 213L			J22-E	18				.22	NO		114	
			P11-T	250				.22	NO		114	
B 213R			J22-D	18				.22	NO		114	
			P11-S	250				.22	NO		114	
B 214	1		J22-AA	18				.22	NO		114	
			P11-V	250				.22	NO		114	
B 215	1		J22-BB	18				.22	NO		114	
			P11-W	250				.22	NO		114	
B 216	1		J22-CC	18				.22	NO		114	
			P37-H*	251				.22	NO		115	
B 217	1		J22-DD	18				.22	NO		114	
			P37-J*	251				.22	NO		115	
B 218	1		J22-EE	18				.22	NO		114	
			P37-N*	251				.22	NO		115	
B 219	1		J22-GG	18				.22	NO		114	
			P37-S*	251				.22	NO		115	
B 220	1		J22-HH	18				.22	NO		114	
			P37-U*	251				.22	NO		115	

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A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 47 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 221	1		J22-W*	18				.22	NO		114	
			P37-W*	251				.22	NO		115	
B 222	1		J22-X*	18				.22	NO		114	
			P37-Y*	251				.22	NO		115	
B 223	1		J22-Y*	18				.22	NO		114	
			P37-AA	251				.22	NO		115	
B 224	1		J22-Z*	18				.22	NO		114	
			P37-CC	251				.22	NO		115	
B 225	1		J22-D*	18				.22	NO		114	
			P35-D*	184				.22	NO		115	
B 226	1		J22-R*	18				.22	NO		114	
			P36-Q*	181				.22	NO		115	
B 227	1		J22-T*	18				.22	NO		114	
			P36-AA	181				.22	NO		115	
B 228	1		J22-F	18				.22	NO		114	
			P36-DD	181				.22	NO		115	
B 229	1		J22-K*	18				.22	NO		114	
			P36-BB	181				.22	NO		115	
B 230	1		J22-B*	18				.22	NO		114	
			P35-A*	184				.22	NO		115	
B 231	1		J22-E*	18				.22	NO		114	
			P36-LL	181				.22	NO		115	
B 232	1		J22-F*	18				.22	NO		114	
			P36-X*	181				.22	NO		115	

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A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 48 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 233	1		J22-G*	18				.22	NO		114	
			P36-W*	181				.22	NO		115	
B 234	1		J22-H*	18				.22	NO		114	
			P36-EE	181				.22	NO		115	
B 235	1		J22-J*	18				.22	NO		114	
			P36-JJ	181				.22	NO		115	
B 236	1		J22-K	18				.22	NO		114	
			P33-R	189				.22	NO		115	
B 237	1		J22-R	18				.22	NO		114	
			P107D-12	64				.12	NO		113	
B 238	1		J22-P	18				.22	NO		114	
			P107D-18	64				.12	NO		113	
B 239	1		J22-N	18				.22	NO		114	
			P107D-24	64				.12	NO		113	
B 240	1		J22-M	18				.22	NO		114	
			P129F-15	23F				.12	NO		113	
B 241	1		J22-I*	18				.22	NO		114	
			P36-GG	181				.22	NO		115	
B 242	1		J23-A	14				.22	NO		114	
			P41-S*	107				.22	NO		115	
B 243	1		J23-B	14				.22	NO		114	
			P41-T*	107				.22	NO		115	
B 244	1		J23-C	14				.22	NO		114	
			P41-U*	107				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 49 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 245	1		J23-D	14				.22	NO		114	
			P41-V*	107				.22	NO		115	
B 246	1		J23-E	14				.22	NO		114	
			P41-W*	107				.22	NO		115	
B 247	1		J23-F	14				.22	NO		114	
			P41-X*	107				.22	NO		115	
B 248	1		J23-G	14				.22	NO		114	
			P41-Y*	107				.22	NO		115	
B 249	1		J23-H	14				.22	NO		114	
			P41-Z*	107				.22	NO		115	
B 250	1		J23-J	14				.22	NO		114	
			P41-AA	107				.22	NO		115	
B 251	1		J23-V	14				.22	NO		114	
			P41-BB	107				.22	NO		115	
B 252	1		J23-W	14				.22	NO		114	
			P41-CC	107				.22	NO		115	
B 253	1		J23-X	14				.22	NO		114	
			P41-DD	107				.22	NO		115	
B 254	1		J23-Y	14				.22	NO		114	
			P41-EE	107				.22	NO		115	
B 255	1		J23-Z	14				.22	NO		114	
			P41-FF	107				.22	NO		115	
B 256	1		J23-A*	14				.22	NO		114	
			P41-GG	107				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 50 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 257	1		J23-B* P41-HH	14 107				.22 .22	NO NO		114 115	
B 258	1		J23-C* P41-JJ	14 107				.22 .22	NO NO		114 115	
B 259	1		J23-D* P41-KK	14 107				.22 .22	NO NO		114 115	
B 260	1		J23-E* P41-LL	14 107				.22 .22	NO NO		114 115	
B 261	1		J23-Q* P41-MM	14 107				.22 .22	NO NO		114 115	
B 262	1		J23-R* P41-NN	14 107				.22 .22	NO NO		114 115	
B 263	1		J23-S* P41-PP	14 107				.22 .22	NO NO		114 115	
B 264	1		J23-EE P109D-25	14 79				.22 .12	NO NO		114 113	
B 265	1		J23-FF P109D-26	14 79				.22 .12	NO NO		114 113	
B 266	1		J23-GG P109D-1	14 79				.22 .12	NO NO		114 113	
B 267	1		J23-HH P109D-2	14 79				.22 .12	NO NO		114 113	
B 268	1		J23-U* P121D-13	14 72				.22 .12	NO NO		114 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 269	1		J23-V* P121D-14	14 72				.22 .12	NO NO		114 113	
B 270	1		J23-W* P100D-1	14 87				.22 .12	NO NO		114 113	
B 271	1		J23-X* P100D-2	14 87				.22 .12	NO NO		114 113	
B 272	1		J23-AA P115D-19	14 77				.22 .12	NO NO		114 113	
B 273	1		J23-BB P115D-20	14 77				.22 .12	NO NO		114 113	
B 274	1		J23-CC P121D-3	14 72				.22 .12	NO NO		114 113	
B 275	1		J23-DD P121D-4	14 72				.22 .12	NO NO		114 113	
B 276	143				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 276A	1		SHLD B276 E311-B	 11				.25 .25	NO NO			
B 276L			J24-H P21-S*	10 202				.22 .22	NO NO		115 115	
B 276R			J24-G P21-U*	10 202				.22 .22	NO NO		115 115	
B 276Y			J24-J P21-T*	10 202				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 277	1		J24-R* P37-K	10 251				.22 .22	NO NO		115 115	
B 278	1		J24-S* P37-M	10 251				.22 .22	NO NO		115 115	
B 279	1		J24-V* P37-T*	10 251				.22 .22	NO NO		115 115	
B 280	1		J24-BB P37-V*	10 251				.22 .22	NO NO		115 115	
B 281	1		J24-W* P37-P*	10 251				.22 .22	NO NO		115 115	
B 282	1		J24-Y* P37-X*	10 251				.22 .22	NO NO		115 115	
B 283	1		J24-Q* P37-Z*	10 251				.22 .22	NO NO		115 115	
B 284	1		J24-N* P37-BB	10 251				.22 .22	NO NO		115 115	
B 285	1		J24-P* P37-DD	10 251				.22 .22	NO NO		115 115	
B 286	1		J24-U* P37-I*	10 251				.22 .22	NO NO		115 115	
B 287	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 287A	1		SHLD B287 E311-B	 11				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 287L			J24-D P37-NN	10 251				.22 .22	NO NO		115 115	
B 287R			J24-C P37-Z	10 251				.22 .22	NO NO		115 115	
B 288	1		J24-X* P37-M*	10 251				.22 .22	NO NO		115 115	
B 289	1		J24-T* P37-L	10 251				.22 .22	NO NO		115 115	
B 290	1		J24-AA P37-R*	10 251				.22 .22	NO NO		115 115	
B 291	1		J24-Z* P37-K*	10 251				.22 .22	NO NO		115 115	
B 292	1		J24-B P129A-32	10 174A				.22 .12	NO NO		115 138	
B 293	1		J25-CC P100D-13	10 87				.22 .12	NO NO		115 113	
B 294	1		J25-DD P100D-7	10 87				.22 .12	NO NO		115 113	
B 295	1		J25-B P129D-32	10 174D				.22 .12	NO NO		115 113	
B 296	1		J25-X P26-AA	10 194				.22 .22	NO NO		115 115	
B 297	1		J25-W P110D-19	10 60				.22 .12	NO NO		115 113	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 298	1		J25-T P26-CC	10 194				.22 .22	NO NO		115 115	
B 299	1		J25-C P96-Q*	10 182				.22 .22	NO NO		115 115	
B 300	1		J25-D P96-R*	10 182				.22 .22	NO NO		115 115	
B 301	1		J25-E P96-S*	10 182				.22 .22	NO NO		115 115	
B 302	1		J25-F P96-T*	10 182				.22 .22	NO NO		115 115	
B 303	1		J25-G P96-U*	10 182				.22 .22	NO NO		115 115	
B 304	1		J25-H P96-V*	10 182				.22 .22	NO NO		115 115	
B 305	1		J25-J P96-W*	10 182				.22 .22	NO NO		115 115	
B 306	1		J25-K P96-X*	10 182				.22 .22	NO NO		115 115	
B 307	1		J25-L P96-Y*	10 182				.22 .22	NO NO		115 115	
B 308	1		J25-M P96-Z*	10 182				.22 .22	NO NO		115 115	
B 309	1		J25-Z P96-F*	10 182				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 55 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 310			DELETED									
B 311			DELETED									
B 312	1		J25-P* P96-AA	10 182				.22 .22	NO NO		115 115	
B 313	1		J25-Q* P96-BB	10 182				.22 .22	NO NO		115 115	
B 314	1		J25-R* P96-EE	10 182				.22 .22	NO NO		115 115	
B 315			DELETED									
B 316			DELETED									
B 317	2		J26-AA TB7-5	3 221				.22 .20	NO NO		127 74	
B 318	3		J26-C* P129F-11	3 23F				.22 .12	NO NO		115 113	
B 319	1		J26-D* P129F-12	3 23F				.22 .12	NO NO		115 113	
B 320	1		J26-J* P114D-15	3 37				.22 .12	NO NO		115 113	
B 321	1		J26-E* P114D-17	3 37				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 56 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 322	1		J26-H* P115D-3	3 77				.22 .12	NO NO		115 113	
B 323	1		J26-G* P115D-5	3 77				.22 .12	NO NO		115 113	
B 324	1		J26-I* P114D-21	3 37				.22 .12	NO NO		115 113	
B 325	1		J26-F* P114D-23	3 37				.22 .12	NO NO		115 113	
B 326	1		J26-GG P114D-27	3 37				.22 .12	NO NO		115 113	
B 327	1		J26-HH P114D-29	3 37				.22 .12	NO NO		115 113	
B 328	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 328B	1		P115D-16 SHLD B328	77				.12 .25	NO NO		138	
B 328L			J26-U* P115D-16	3 77				.22 .12	NO NO		115	
B 328R			J26-T* P115D-15	3 77				.22 .12	NO NO		115 113	
B 329	1		J26-S* P99-P	3 186				.22 .22	NO NO		115 115	
B 330	1		J26-X* P34-C	3 188				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 57 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 331	1		J26-Y* P34-B	3 188				.22 .22	NO NO		115 115	
B 332	1		J26-Z* P34-E	3 188				.22 .22	NO NO		115 115	
B 333	1		J26-CC P34-G	3 188				.22 .22	NO NO		115 115	
B 334	1		J26-K* P34-E*	3 188				.22 .22	NO NO		115 115	
B 335	1		J26-W* P99-F	3 186				.22 .22	NO NO		115 115	
B 336	2		J26-BB TB8-4	3 212				.22 .20	NO NO		127 74	
B 337	1		J26-V* P34-G*	3 188				.22 .22	NO NO		115 115	
B 338	1		J26-FF P129F-7	3 23F				.22 .12	NO NO		115 113	
B 339	1		J26-B P114D-32	3 37				.22 .12	NO NO		115 113	
B 340	2		J26-C TB7-6	3 220				.22 .20	NO NO		127 74	
B 341	2		J26-D TB8-5	3 211				.22 .20	NO NO		127 74	
B 342	3		J26-EE P129F-5	3 23F				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 58 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 343	1		J26-K* P98-BB	3 187				.22 .22	NO NO		115 115	
B 344	1		J26-K* P37-A*	3 251				.22 .22	NO NO		115 115	
B 345	10				2.25 4.00	2.00 3.70				A,7 A,6B	120 120,119	
B 345B	1		P114D-31 SHLD B345	37				.12 .25	NO NO		113	
B 345L			J26-M P114D-1C	3 37				.22 .12	NO NO		115 113	
B 345R			J26-L P114D-9	3 37				.22 .12	NO NO		115 113	
B 347	1		J26-M* P114D-16	3 37				.22 .12	NO NO		115 113	
B 348	1		J26-P* P114D-28	3 37				.22 .12	NO NO		115 113	
B 349	1		J26-N* P115D-4	3 77				.22 .12	NO NO		115 113	
B 350	1		J26-DD P129F-3	3 23F				.22 .12	NO NO		115 113	
B 351	143				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 351B	1		E313-B SHLD B351	4				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 351L			J27-B P26-E	1 194				.22 .22	NO NO		114 115	
B 351R			J27-C P26-D	1 194				.22 .22	NO NO		114 115	
B 351Y			J27-A P26-F	1 194				.22 .22	NO NO		114 115	
B 352	1		J27-D P26-G	1 194				.22 .22	NO NO		114 115	
B 353	1		J27-E P26-H	1 194				.22 .22	NO NO		114 115	
B 354	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 354E			J28-1A P49-29A	91 168				.19 .19	NO NO		130 132	
B 354X			J28-1B P49-29B	91 168								
B 355	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 355E			J28-2A P49-14A	91 168				.19 .19	NO NO		130 132	
B 355X			J28-2B P49-14B	91 168								
B 356	118				.52 .38	.31 .19					128,129,120 128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 356E			J28-3A P49-28A	91 168				.19 .19	NO NO		130 132	
B 356X			J28-3B P49-28B	91 168								
B 357	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 357E			J28-4A P49-30A	91 168				.19 .19	NO NO		130 132	
B 357X			J28-4B P49-30B	91 168								
B 358	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 358E			J28-5A P49-46A	91 168				.19 .19	NO NO		130 132	
B 358X			J28-5B P49-46B	91 168								
B 359	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 359E			J28-6A P49-48A	91 168				.19 .19	NO NO		130 132	
B 359X			J28-6B P49-48B	91 168								
B 360	118				.52 .38	.31 .19					128,129,120 128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 360E			J28-7A P49-3A	91 168				.19 .19	NO NO		130 132	
B 360X			J28-7B P49-3B	91 168								
B 361	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 361E			J28-8A P49-9A	91 168				.19 .19	NO NO		130 132	
B 361X			J28-8B P49-9B	91 168								
B 362	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 362E			J28-9A P128A-16A	91 171				.19 .11	NO NO		130 96	
B 362X			J28-9B P128A-16B	91 171								
B 363	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 363E			J28-10A P128A-18A	91 171				.19 .11	NO NO		130 96	
B 363X			J28-10B P128A-18B	91 171								
B 364	118				.52 4.00	.31 3.75				 B,6A	128,129,120 119,124,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 364B	1		P16-O* SHLD B364	199				.22 .25	NO NO		114	
B 364E			J28-11A P16-P*	91 199				.19 .22	NO NO		130 114	
B 364X			J28-11B SHLD B364	91								
B 365	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 365B	1		P16-V* SHLD B365	199				.22 .25	NO NO		114	
B 365E			J28-12A P16-U*	91 199				.19 .22	NO NO		130 114	
B 365X			J28-12B SHLD B365	91								
B 366	118				.52 .52	.31 .23					128,129,120 120, 97, 98	
B 366E			J28-13A P128A-17A	91 171				.19 .11	NO NO		130 96	
B 366X			J28-13B P128A-17B	91 171								
B 367	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 367B	1		P17-T SHLD B367	200				.22 .25	NO NO		115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 63 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 367E			J28-14A P17-S	91 200				.19 .22	NO NO		130 115	
B 367X			J28-14B SHLD B367	91								
B 368	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 368B	1		P16-EE SHLD B368	199				.22 .25	NO NO		114	
B 368E			J28-15A P16-DD	91 199				.19 .22	NO NO		130 114	
B 368X			J28-15B SHLD B368	91								
B 369	118				.52 4.00	.31 3.75				B,6A	128,129,120 119,124,120	
B 369B	1		P16-X* SHLD B369	199				.22 .25	NO NO		114	
B 369E			J28-16A P16-W*	91 199				.19 .22	NO NO		130 114	
B 369X			J28-16B SHLD B369	91								
B 370	118				.52 4.00	.31 3.75				B,6B	128,129,120 119,120	
B 370B	1		P27-S* SHLD B370	185				.22 .25	NO NO		115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 64 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 370E			J28-17A P27-R*	91 185				.19 .22	NO NO		130 115	
B 370X			J28-17B SHLD B370	91								
B 371	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 371E			J29-1A P60-32A	92 122				.19 .19	NO NO		130 132	
B 371X			J29-1B P60-32B	92 122								
B 372	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 372E			J29-2A P60-33A	92 122				.19 .19	NO NO		130 132	
B 372X			J29-2B P60-33B	92 122								
B 373	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 373E			J29-3A P60-34A	92 122				.19 .19	NO NO		130 132	
B 373X			J29-3B P60-34B	92 122								
B 374	118				.52 .38	.31 .19					128,129,120 128,131,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 65 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 374E			J29-4A P60-4A	92 122				.19 .19	NO NO		130 132	
B 374X			J29-4B P60-4B	92 122								
B 375	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 375E			J29-5A P60-5A	92 122				.19 .19	NO NO		130 132	
B 375X			J29-5B P60-5B	92 122								
B 376	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 376E			J29-6A P60-6A	92 122				.19 .19	NO NO		130 132	
B 376X			J29-6B P60-6B	92 122								
B 377	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 377A	1		SHLD B377 J30-3	 90				.25 .19	NO NO		 133	
B 377B	1		P119D-31 SHLD B377	53				.12 .25	NO NO		138	
B 377L			J30-2 P119D-22	90 53				.19 .12	NO NO		133 113	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 66 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 377R			J30-1 P119D-21	90 53				.19 .12	NO NO		133 113	
B 378	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 378A	1		SHLD B378 J30-6	 90				.25 .19	NO NO		 133	
B 378B	1		P119D-31 SHLD B378	53				.12 .25	NO NO			
B 378L			J30-5 P119D-24	90 53				.19 .12	NO NO		133 113	
B 378R			J30-4 P119D-23	90 53				.19 .12	NO NO		133 113	
B 379	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 379E			J30-7A P60-38A	90 122				.19 .19	NO NO		130 132	
B 379X			J30-7B P60-38B	90 122								
B 380	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 380B	1		E315-B SHLD B380	172				.25 .25	NO NO			
B 380L			P1-C P91-C*	193 173				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 67 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 380R			P1-F P91-C	193 173				.22 .22	NO NO		115 115	
B 381	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 381B	1		E315-B SHLD B381	172				.25 .25	NO NO			
B 381L			P1-R P91-E*	193 173				.22 .22	NO NO		115 115	
B 381R			P1-G P91-E	193 173				.22 .22	NO NO		115 115	
B 382	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 382B	1		E315-B SHLD B382	172				.25 .25	NO NO			
B 382L			P1-U P91-G*	193 173				.22 .22	NO NO		115 115	
B 382R			P1-K P91-G	193 173				.22 .22	NO NO		115 115	
B 383	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 383B	1		P117A-31 SHLD B383	36				.12 .25	NO NO		138	
B 383L			P1-D P117A-6	193 36				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 68 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 383R			P1-B P117A-5	193 36				.22 .12	NO NO		115 113	
B 384	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 384B	1		TB6-6 SHLD B384	240				.20 .25	NO NO		74	
B 384L			P2-E TB6-6	192 240				.22 .20	NO NO		117 74	
B 384R			P2-D TB6-9	192 243				.22 .20	NO NO		117 74	
B 385	2		P2-A P126F-27	192 30				.22 .22	NO NO		117 138	
B 386	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 386B	1		E315-B SHLD B386	172				.25 .25	NO NO			
B 386L			P3-C P91-K*	149 173				.22 .22	NO NO		115 115	
B 386R			P3-F P91-K	149 173				.22 .22	NO NO		115 115	
B 387	1				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 327B	1		E315-B SHLD B387	172				.25 .25	NO NO			

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 69 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 387L			P3-R P91-N*	149 173				.22 .22	NO NO		115 115	
B 387R			P3-G P91-N	149 173				.22 .22	NO NO		115 115	
B 388	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 388B	1		E315-B SHLD B388	172				.25 .25	NO NO			
B 388L			P3-U P91-R*	149 173				.22 .22	NO NO		115 115	
B 388R			P3-K P91-R	149 173				.22 .22	NO NO		115 115	
B 389	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 389B	1		P117A-31 SHLD B389	36				.12 .25	NO NO			
B 389L			P3-D P117A-10	149 36				.22 .12	NO NO		115 113	
B 389R			P3-B P117A-9	149 36				.22 .12	NO NO		115 113	
B 390	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 390B	1		TB6-5 SHLD B390	239				.20 .25	NO NO		74	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 70 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 390L			P4-E	148				.22	NO		117	
			T36-5	239				.20	NO		74	
B 390R			P4-D	148				.22	NO		117	
			T86-8	242				.20	NO		74	
B 391	2		P4-A	148				.22	NO		117	
			P126E-31	31				.22	NO		138	
B 392	2		P5-V*	110				.22	NO		126	
			T89-3	101				.20	NO		74	
B 393	2		P5-BB	110				.22	NO		126	
			T89-1	103				.20	NO		74	
B 394	1		P5-S*	110				.22	NO		114	
			P64-GG	134				.22	NO		115	
B 395	1		P5-FF	110				.22	NO		114	
			P64-V*	134				.22	NO		115	
B 396	1		P5-CC	110				.22	NO		114	
			P64-W*	134				.22	NO		115	
B 397	1		P5-DD	110				.22	NO		114	
			P64-X*	134				.22	NO		115	
B 398	1		P5-W*	110				.22	NO		114	
			P64-Y*	134				.22	NO		115	
B 399	1		P5-Y*	110				.22	NO		114	
			P64-Z*	134				.22	NO		115	
B 400	1		P5-AA	110				.22	NO		114	
			P64-AA	134				.22	NO		115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 71 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 401	1		P5-C	110				.22	NO		114	
			P41-B	107				.22	NO		115	
B 402	1		P5-D	110				.22	NO		114	
			P41-C	107				.22	NO		115	
B 403	1		P5-E	110				.22	NO		114	
			P41-D	107				.22	NO		115	
B 404	1		P5-H	110				.22	NO		114	
			P39-LL	105				.22	NO		115	
B 405	1		P5-J	110				.22	NO		114	
			P39-MM	105				.22	NO		115	
B 406	1		P5-K	110				.22	NO		114	
			P39-NN	105				.22	NO		115	
B 407	1		P5-L	110				.22	NO		114	
			P39-PP	105				.22	NO		115	
B 408	1		P5-P	110				.22	NO		114	
			P39-GG	105				.22	NO		115	
B 409	1		P5-R	110				.22	NO		114	
			P39-HH	105				.22	NO		115	
B 410	1		P5-S	110				.22	NO		114	
			P39-JJ	105				.22	NO		115	
B 411	1		P5-T	110				.22	NO		114	
			P39-KK	105				.22	NO		115	
B 412	1		P5-W	110				.22	NO		114	
			P39-CC	105				.22	NO		115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 72 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 413	1		P5-X	110				.22	NO		114	
			P39-DD	105				.22	NO		115	
B 414	1		P5-Y	110				.22	NO		114	
			P39-EE	105				.22	NO		115	
B 415	1		P5-Z	110				.22	NO		114	
			P39-FF	105				.22	NO		115	
B 416	1		P5-B*	110				.22	NO		114	
			P39-Y*	105				.22	NO		115	
B 417	1		P5-C*	110				.22	NO		114	
			P39-Z*	105				.22	NO		115	
B 418	1		P5-D*	110				.22	NO		114	
			P39-AA	105				.22	NO		115	
B 419	1		P5-E*	110				.22	NO		114	
			P39-BB	105				.22	NO		115	
B 420	1		P5-G*	110				.22	NO		114	
			P39-U*	105				.22	NO		115	
B 421	1		P5-H*	110				.22	NO		114	
			P39-V*	105				.22	NO		115	
B 422	1		P5-I*	110				.22	NO		114	
			P39-W*	105				.22	NO		115	
B 423	1		P5-J*	110				.22	NO		114	
			P39-X*	105				.22	NO		115	
B 424	1		P5-R*	110				.22	NO		114	
			P39-S*	105				.22	NO		115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 73 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 425	1		P5-S*	110				.22	NO		114	
			P39-P*	105				.22	NO		115	
B 426	1		P5-P*	110				.22	NO		114	
			P39-T*	105				.22	NO		115	
B 427	1		P5-U*	110				.22	NO		114	
			P39-Q*	105				.22	NO		114	
B 428	1		P5-B	110				.22	NO		114	
			P116A-19	58				.12	NO		113	
B 429	1		P5-T*	110				.22	NO		114	
			P116A-20	58				.12	NO		113	
B 430	118				.52	.23				A,10	92, 94,120	
					.52	.23				A,10	92, 94,120	
B 430E			P7-D1	108				.11	NO		90	
			P93-B1	130				.11	NO		90	
B 430X			P7-D2	108								
			P93-B2	130								
B 431	118				.52	.23				A.10	92, 94,120	
					4.00	3.75				B,68	119,120	
B 431B	1		P63-CC	137				.22	NO		115	
			SHLD B431					.25	NO			
B 431E			P7-F1	108				.11	NO		90	
			P63-DD	137				.22	NO		115	
B 431X			P7-F2	108								
			SHLD B431									

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 74 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 432	118				.52	.23				A,10	92, 94	
					.52	.23				A,10	92, 94	
B 432E			P7-A1	108				.11	NO		90	
			P69-A1	136				.11	NO		90	
B 432X			P7-A2	108								
			P69-A2	136								
B 433	118				.52	.23				A,10	92, 94	
					.52	.23				A,10	92, 94	
B 433E			P7-B1	108				.11	NO		90	
			P93-A1	130				.11	NO		90	
B 433X			P7-B2	108								
			P93-A2	130								
B 434	118				.52	.23				A,10	92, 94,120	
					4.00	3.75				B,6B	119,120	
B 434B	1		P17-A*	200				.22	NO		115	
			SHLD B434					.25	NO			
B 434F			P7-C1	108				.11	NO		90	
			P17-B*	200				.22	NO		115	
B 434X			P7-C2	108								
			SHLD B434									
B 435	9				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,121	
B 435B	1		TB9-10	96				.20	NO		74	
			SHLD B435					.25	NO			

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 75 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 435L			P8-E	109				.22	NO		117	
			TB9-10	96				.20	NO		74	
B 435R			P8-D	109				.22	NO		117	
			TB9-7	99				.20	NO		74	
B 436	2		P8-A	109				.22	NO		117	
			P126F-28	30				.22	NO		138	
B 437	1		P11-M*	250				.22	NO		114	
			P24-R*	196				.22	NO		115	
B 438	1		P11-K*	250				.22	NO		114	
			P24-P*	196				.22	NO		115	
B 439	1		P11-N*	250				.22	NO		114	
			P24-S*	196				.22	NO		115	
B 440	2		P11-T*	250				.22	NO		126	
			P126F-30	30				.22	NO		138	
B 441	1		P11-D*	250				.22	NO		114	
			P110D-3	41				.12	NO		113	
B 442	1		P11-E*	250				.22	NO		114	
			P110D-29	60				.22	NO		113	
B 443	1		P11-F*	250				.22	NO		114	
			P111D-9	41				.12	NO		113	
B 444	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 444B	1		P111D-31	41				.12	NO		113	
			SHLD B444					.25	NO			

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 76 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 444L			P11-C*	250				.22	NO		114	
			P111D-4	41				.12	NO		113	
B 444R			P11-G*	250				.22	NO		114	
			P111D-5	41				.12	NO		113	
B 445	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 445A	1		SHLD B445					.25	NO			
			E338-B	8				.25	NO			
B 445L			J19-W	7				.22	NO		116	
			P11-Z*	250				.22	NO		126	
B 445R			J19-U	7				.22	NO		116	
			P11-Q*	250				.22	NO		126	
B 446	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 446A	1		SHLD B446					.22	NO		116	
			E338-B	8				.25	NO			
B 446L			E339B	8A				.25	NO			
			P11-L	250				.22	NO		126	
B 446R			J19-E*	7				.22	NO		116	
			P11-M	250				.22	NO		126	
B 447	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 447A	1		SHLD B447					.25	NO			
			E338-B	8				.25	NO			

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 77 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 447L			J19-R*	7				.22	NO		116	
			P11-P	250				.22	NO		126	
B 447R			J19-Q*	7				.22	NO		116	
			P11-N	250				.22	NO		126	
B 449	1		P11-Y	7				.22	NO		114	
			P129E-25	23E				.12	NO		113	
B 450	1		P11-Z	7				.22	NO		114	
			P129E-26	23E				.12	NO		113	
B 451	1		P11-U*	7				.22	NO		114	
			P130F-9	22F				.12	NO		113	
B 452	1		P11-V*	7				.22	NO		114	
			P130F-10	22F				.12	NO		113	
B 453	1		P11-BB	7				.22	NO		114	
			P111A-21	42				.12	NO		113	
B 454	1		P11-CC	7				.22	NO		114	
			P111A-22	42				.12	NO		113	
B 455	1		P11-D	7				.22	NO		114	
			P34-F*	188				.22	NO		115	
B 456	1		P11-E	7				.22	NO		114	
			P130E-5	22E				.12	NO		113	
B 457	118				.50	.31					120	
					.38	.19					128,131,120	
B 457E			P13-1	143				.11	NO			
			P62-46A	125				.19	NO		132	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 78 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 457X			P13-2 P62-46B	143 125								
B 458	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 458A	1		SHLD B458 P14-T	197				.25 .22	NO NO		114	
B 458E			P14-S P127B-9A	197 170B				.22 .11	NO NO		114 96	
B 458X			SHLD B458 P127B-9B	170B								
B 459	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 459A	1		SHLD B459 P14-G*	197				.25 .22	NO NO		114	
B 459E			P14-F* P127B-14A	197 170B				.22 .11	NO NO		114 96	
B 459X			SHLD B459 P127B-14B	170B								
B 460	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 460A	1		SHLD B460 P14-R	197				.25 .22	NO NO		114	
B 460E			P14-P P127B-12A	197 170B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 79 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 460X			SHLD B460 P127B-12B	170B								
B 461	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 461A	1		SHLD B461 P14-S*	197				.25 .22	NO NO		114	
B 461E			P14-U* P127B-17A	197 170B				.22 .11	NO NO		114 96	
B 461X			SHLD B461 P127B-17B	170B								
B 462	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 462A	1		SHLD B462 P14-E	197				.25 .22	NO NO		114	
B 462E			P14-D P128B-8A	197 171				.22 .11	NO NO		114 96	
B 462X			SHLD B462 P128B-8B	171								
B 463	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 463A	1		SHLD B463 P14-X*	197				.25 .22	NO NO		114	
B 463E			P14-R* P127B-19A	197 170B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 80 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 463X			SHLD B463 P127B-19B	170B								
B 464	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 464A	1		SHLD B464 P14-GG	197				.25 .22	NO NO		114	
B 464E			P14-FF P128B-13A	197 170B				.22 .11	NO NO		114 96	
B 464X			SHLD B464 P128B-13B	170B								
B 465	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 465A	1		SHLD B465 P14-HH	197				.25 .22	NO NO		114	
B 465E			P14-CC P128B-11A	197 170B				.22 .11	NO NO		114 96	
B 465X			SHLD B465 P128B-11B	167B								
B 466	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 466A	1		SHLD B466 P14-EE	197				.25 .22	NO NO		114	
B 466E			P14-DD P128B-12A	197 167B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 81 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 466X			SHLD B466 P128B-12B	167B								
B 467	1		P14-E* P115A-24	197 7B				.22 .12	NO NO		114 113	
B 468	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 468A	1		SHLD B468 P14-A*	197				.25 .22	NO NO		114	
B 468E			P14-B* P128B-9A	197 167B				.22 .11	NO NO		114 96	
B 468X			SHLD B468 P128B-9B	167B								
B 469	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 469A	1		SHLD B468 P14-N	197				.25 .22	NO NO		114	
B 469E			P14-M P128B-1A	197 167B				.22 .11	NO NO		114 96	
B 469X			SHLD B469 P128B-1B	167B								
B 470	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 470A	1		SHLD B470 P14-B	197				.25 .22	NO NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 82 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 470E			P14-C P128B-4A	197 167B				.22 .11	NO NO		114	
B 470X			SHLD B470 P128B-4B	 167B								
B 471	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 471A	1		SHLD B471 P14-K*	 197				.25 .22	NO NO		 114	
B 471E			P14-J* P128B-5A	197 167B				.22 .11	NO NO		114 96	
B 471X			SHLD B471 P128B-5B	 167B								
B 472	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 472A	1		SHLD B472 P14-Q*	 197				.25 .22	NO NO		 114	
B 472E			P14-P* P128B-2A	197 167B				.22 .11	NO NO		114 96	
B 472X			SHLD B472 P128B-2B	 167B								
B 473	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 473A	1		SHLD B473 P14-M*	 197				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 83 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 473E			P14-N* P128B-3A	197 167B				.22 .11	NO NO		114 96	
B 473X			SHLD B473 P128B-3B	 167B								
B 474	118				4.00 .38	3.75 .19				8,68	119,120 128,131,120	
B 474A	1		SHLD B474 P14-W	 197				.25 .22	NO NO		 114	
B 474E			P14-X P49-25A	197 168				.22 .19	NO NO		114 132	
B 474X			SHLD B474 P49-25B	 168								
B 475	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 475A	1		SHLD B475 P15-I*	 198				.25 .22	NO NO		 114	
B 475E			P15-H* P127B-10A	198 167B				.22 .11	NO NO		114 96	
B 475X			SHLD B475 P127B-10B	 167B								
B 476	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 476A	1		SHLD B475 P15-V	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 84 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 476E			P15-U P127B-11A	198 167B				.22 .11	NO NO		114 96	
B 476X			SHLD B476 P127B-11B	 167B								
B 477	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 477A	1		SHLD B477 P15-G*	 198				.25 .22	NO NO		 114	
B 477E			P15-F* P127B-13A	198 167B				.22 .11	NO NO		114 96	
B 477X			SHLD B477 P127B-13B	 167B								
B 478	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 478A	1		SHLD B478 P15-T	 198				.25 .22	NO NO		 114	
B 478E			P15-S P127B-1A	198 170B				.22 .11	NO NO		114 96	
B 478X			SHLD B478 P127B-1B	 170B								
B 479	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 479A	1		SHLD B479 P15-P	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 85 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 479E			P15-R P127B-2A	198 170B				.22 .11	NO NO		114 96	
B 479X			SHLD B479 P127B-2B	 170B								
B 480	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 480A	1		SHLD B480 P15-D	 198				.25 .22	NO NO		 114	
B 480E			P15-E P127B-3A	198 170B				.22 .11	NO NO		114 96	
B 480X			SHLD B479 P127B-3B	 170B								
B 481	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 481A	1		SHLD B481 P15-H	 198				.25 .22	NO NO		 114	
B 481E			P15-J P127B-4A	198 170B				.22 .11	NO NO		114 96	
B 481X			SHLD B481 P127B-4B	 170B								
B 482	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 482A	1		SHLD B482 P15-B	 198				.25 .22	NO NO		 114	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 86 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 482E			P15-C P1278-5A	198 1708				.22 .11	NO NO		114 96	
B 482X			SHLD B482 P1278-5B	1708								
B 483	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 483A	1		SHLD B483 P15-M	198				.25 .22	NO NO		114	
B 483E			P15-N P1278-6A	198 1708				.22 .11	NO NO		114 96	
B 483X			SHLD B483 P1278-6B	1708								
B 484	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 484A	1		SHLD B484 P15-EE	198				.25 .22	NO NO		114	
B 484E			P15-FF P1278-18A	198 1708				.22 .11	NO NO		114 96	
B 484X			SHLD B484 P1278-18B	1708								
B 485	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 485A	1		SHLD B485 P15-Y*	198				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 485E			P15-Z* P1278-21A	198 1708				.22 .11	NO NO		114 96	
B 485X			SHLD B485 P1278-21B	1708								
B 486	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 486A	1		SHLD B486 P15-AA	198				.25 .22	NO NO		114	
B 486E			P15-BB P1278-24A	198 1708				.22 .11	NO NO		114 96	
B 486X			SHLD B486 P1278-24B	1708								
B 487	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 487A	1		SHLD B487 P15-CC	198				.25 .22	NO NO		114	
B 487E			P15-DD P1278-20A	198 1708				.22 .11	NO NO		114 96	
B 487X			SHLD B487 P1278-20B	1708								
B 488	118				4.00 .52	3.75 .23				B,68	119,120 120, 97, 98	
B 488A	1		SHLD B488 P15-B*	198				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 488E			P15-A* P1288-10A	198 1678				.25 .11	NO NO		114 96	
B 488X			SHLD B488 P1288-10B	1678								
B 489	118				4.00 .38	3.75 .19				B,68	119,120 128,131,120	
B 489A	1		SHLD B489 P15-G	198				.25 .22	NO NO		114	
B 489E			P15-F P49-26A	198 168				.22 .19	NO NO		114 132	
B 489X			SHLD B489 P49-26B	168								
B 490	118				4.00 .38	3.75 .19				B,68	119,120 128,131,120	
B 490A	1		SHLD B490 P15-L	198				.25 .22	NO NO		114	
B 490E			P15-K P49-12A	198 168				.22 .19	NO NO		114 132	
B 490X			SHLD B490 P49-12B	168								
B 491	118				4.00 .38	3.75 .19				B,68	119,120 128,131,120	
B 491A	1		SHLD B491 P15-J*	198				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 491E			P15-K* P49-24A	198 168				.22 .19	NO NO		114 132	
B 491X			SHLD B491 P49-24B	168								
B 492	118				4.00 .52	3.75 .31				B,68	119,120 128,131,120	
B 492A	1		SHLD B491 P15-Q*	198				.25 .22	NO NO		114	
B 492E			P15-P* P49-10A	198 168				.22 .19	NO NO		114 132	
B 492X			SHLD B492 P49-10B	168								
B 493	118				4.00 .38	3.75 .19				B,68	119,120 128,131,120	
B 493A	1		SHLD B493 P15-M*	198				.25 .22	NO NO		114	
B 493E			P15-N* P49-11A	198 168				.22 .19	NO NO		114 132	
B 493X			SHLD B493 P49-11B	168								
B 494	118				4.00 .52	3.75 .23				B,68 A,10	119,120 92, 94,120	
B 494A	1		SHLD B494 P16-V	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 494E			P16-U P67-D1	199 132				.22 .11	NO NO		114 90	
B 494X			SHLD B494 P67-D2	132								
B 495	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 495A	1		SHLD B495 P16-X	199				.25 .22	NO NO			
B 495E			P16-W P69-E1	199 136				.22 .11	NO NO		114 90	
B 495X			SHLD B495 P69-E2	136								
B 496	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 496A	1		SHLD B496 P16-Z	199				.25 .22	NO NO		114	
B 496E			P16-Y P67-E1	199 132				.22 .11	NO NO		114 90	
B 496X			SHLD B496 P67-E2	132								
B 497	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 497A	1		SHLD B497 P16-b*	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 497E			P16-A* P69-F1	199 136				.22 .11	NO NO		114 90	
B 497X			SHLD B497 P69-F2	136								
B 498	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 498A	1		SHLD B498 P16-N*	199				.25 .22	NO NO		114	
B 498E			P16-M* P67-F1	199 132				.22 .11	NO NO		114 90	
B 498X			SHLD B498 P67-F2	132								
B 499	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 499A	1		SHLD B499 P16-G	199				.25 .22	NO NO		114	
B 499E			P16-F P68-A1	199 129				.22 .11	NO NO		114 90	
B 499X			SHLD B499 P68-A2	129								
B 500	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 500A	1		SHLD B500 P16-J	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 500E			P16-H P70-B1	199 133				.22 .11	NO NO		114 90	
B 500X			SHLD B500 P70-B2	133								
B 501	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 501A	1		SHLD B501 P16-L	199				.25 .22	NO NO		114	
B 501E			P16-K P68-B1	199 129				.22 .11	NO NO		114 90	
B 501X			SHLD B501 P68-B2	129								
B 502	1		P16-Y* P64-EE	199 134				.22 .22	NO NO		114 115	
B 503	1		P16-AA P64-BB	199 134				.22 .22	NO NO		114 115	
B 504	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 504A	1		SHLD B504 P16-N	199				.25 .22	NO NO		114	
B 504E			P16-M P70-C1	199 133				.22 .11	NO NO		114 90	
B 504X			SHLD B504 P70-C2	133								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 505	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 505A	1		SHLD B505 P16-R	199				.25 .22	NO NO		114	
B 505E			P16-P P68-C1	199 129				.22 .11	NO NO		114 90	
B 505X			SHLD B505 P68-C2	129								
B 506	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 506A	1		SHLD B506 P16-D*	199				.25 .22	NO NO		114	
B 506E			P16-C* P68-G1	199 129				.22 .11	NO NO		114 90	
B 506X			SHLD B506 P68-G2	129								
B 507	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 507A	1		SHLD B507 P16-G*	199				.25 .22	NO NO		114	
B 507E			P16-F* P70-H1	199 133				.22 .11	NO NO		114 90	
B 507X			SHLD B507 P70-H2	133								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 508	118				4.00	3.75				B,68	119,120	
					.52	.23				A,10	92, 94,120	
B 508A	1		SHLD B508					.25	NO			
			P16-C	199				.22	NO		114	
B 508E			P16-B	199				.22	NO		114	
			P68-H1	129				.11	NO		90	
B 508X			SHLD B508									
			P68-H2	129								
B 509	118				4.00	3.75				B,68	119,120	
					.52	.23				A,10	92, 94,120	
B 509A	1		SHLD B509					.25	NO			
			P16-E	199				.22	NO			
B 509E			P16-D	199				.22	NO		114	
			P70-J1	133				.11	NO		90	
B 509X			SHLD B509									
			P70-J2	133								
B 510	1		P16-CC	199				.22	NO		114	
			P115A-23	78				.12	NO		113	
B 511	1		P16-V	199				.22	NO			
			P16-X	199				.22	NO		114	
B 512	1		P16-H*	199				.22	NO			
			P16-Z	199				.22	NO			
B 513	1		P16-N*	199				.22	NO			
			P17-G	200				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
B 514	1		P16-G	199				.22	NO			
			P16-J	199				.22	NO			
B 515	1		P16-L	199				.22	NO			
			P16-N	199				.22	NO			
B 516	1		P16-R	199				.22	NO			
			P17-K*	200				.22	NO		115	
B 517	1		P16-D*	199				.22	NO			
			P16-G*	199				.22	NO			
B 518	1		P16-C	199				.22	NO		114	
			P16-E	199				.22	NO		114	
B 519	118				4.00	3.75				B,68	119,120	
					.52	.23					120, 97, 98	
B 519A	1		SHLD B519					.25	NO			
			P16-S*	199				.22	NO		114	
B 519E			P16-R*	199				.22	NO		114	
			P128B-18A	167				.11	NO		96	
B 519X			SHLD B519									
			P128B-18B	167						B,6		
B 520	118				4.00	3.75				B	119,120	
					.52	.23					120, 97, 98	
B 520A	1		SHLD B520					.25	NO			
			P16-HH	199				.22	NO		114	
B 520E			P16-GG	199				.22	NO		114	
			P128B-16A	167B				.11	NO		96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 520X			SHLD B520									
			P128B-16B	167B						B,6		
B 521	118				4.00	3.75				B	119,120	
					.52	.23				A,10	92, 94,120	
B 521A	1		SHLD B521					.25	NO			
			P17-G	200				.22	NO			
B 521E			P17-F	200				.22	NO		115	
			P69-G1	136				.11	NO		90	
B 521X			SHLD B521									
			P69-G2	136								
B 522	118				4.00	3.75				B,68	119,120	
					.52	.23				A,10	92, 94,120	
B 522A	1		SHLD B522					.25	NO			
			P17-K*	200				.22	NO			
B 522E			P17-J*	200				.22	NO		115	
			P70-D1	133				.11	NO		90	
B 522X			SHLD B522									
			P70-D2	133								
B 523	2		P17-A	200				.22	NO		127	
			P126E-29	31				.22	NO		138	
B 524	1		P17-Y*	200				.22	NO		115	
			P130B-1	179B				.12	NO		113	
B 525	1		P17-BB	200				.22	NO		115	
			P25-AA	195				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
B 526	8				2.25	2.00				A,7	120	
					4.00	3.75				B,68	120,119	
B 526B	1		TB6-3	237				.20	NO		74	
			SHLD B526					.25	NO			
B 526L			P17-V	200				.22	NO		115	
			TB6-3	237				.20	NO		74	
B 526R			P17-U	200				.22	NO		115	
			TB5-7	233				.20	NO		73	
B 527	118				4.00	3.75				B,68	119,120	
					.52	.23				A,10	92, 94,120	
B 527A	1		SHLD B527					.25	NO			
			P17-E	200				.22	NO		115	
B 527E			P17-D	200				.22	NO		115	
			P128B-19A	167B				.11	NO			
B 527X			SHLD B527									
			P128B-19B	167B								
B 528	118				4.00	3.75				B,68	119,120	
					.38	.19					128,131,120	
B 528A	1		SHLD B528					.25	NO			
			P17-J	200				.22	NO		115	
B 528E			P17-H	200				.22	NO		115	
			P49-41A	168				.19	NO		132	
B 528X			SHLD B528									
			P49-41B	168								

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 529	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 529A	1		SHLD B529 P17-L	 200				.25 .22	NO NO		 115	
B 529E			P17-K P49-42A	200 168				.22 .19	NO NO		115 132	
B 529X			SHLD B529 P49-42B	 168								
B 530	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 530A	1		SHLD B529 P17-N	 200				.25 .22	NO NO		 115	
B 530E			P17-M P49-43A	200 168				.22 .19	NO NO		115 132	
B 530X			SHLD B530 P49-43B	 168								
B 531	118				4.00 .52	3.75 .23				B,6B	120,119 120, 97, 98	
B 531A	1		SHLD B531 P17-R	 200				.25 .22	NO NO		 115	
B 531E			P17-P P128B-17A	200 167				.22 .11	NO NO		115 96	
B 531X			SHLD B531 P128B-17B	 167								

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SCALE-NONE | REV LTR H | SHEET 99 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 532	1		P17-M* P34-PP	200 188				.22 .22	NO NO		115 115	
B 533	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 533B	1		P115D-31 SHLD B533	77				.12 .25	NO NO		113	
B 533L			P19-C P115D-10	24 77				.22 .12	NO NO		114 113	
B 533R			P19-B P115D-9	24 77				.22 .12	NO NO		114 113	
B 534	1		P20-BB P99-R*	201 186				.22 .22	NO NO		115 115	
B 535	1		P20-LL P99-K	201 186				.22 .22	NO NO		115 115	
B 536	1		P20-FF P129A-3	201 174A				.22 .12	NO NO		115 113	
B 537	1		P20-MM P99-J	201 186				.22 .22	NO NO		115 115	
B 538	1		P20-GG P99-M	201 186				.22 .22	NO NO		115 115	
B 539	1		P20-JJ P130B-9	201 179B				.22 .12	NO NO		115 113	
B 540	1		P20-KK P99-W	201 186				.22 .22	NO NO		115 115	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 100 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 541	3		P20-PP P116D-32	201 55				.22 .12	NO NO		115 138	
B 542	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 542B	1		P116D-32 SHLD B542	55				.12 .25	NO NO		113	
B 542L			P20-Z P116D-10	201 55				.22 .12	NO NO		115 113	
B 542R			P20-Y P116D-9	201 55				.22 .12	NO NO		115 113	
B 543	3		P20-CC P129F-21	201 23F				.22 .12	NO NO		115 113	
B 544	1		P20-A* P34-D	201 188				.22 .22	NO NO		115 115	
B 545	1		P20-X* P129F-26	201 23F				.22 .12	NO NO		115 113	
B 546	1		P20-Y* P129F-25	201 23F				.22 .12	NO NO		115 113	
B 547	1		P20-Z* P129D-24	201 174D				.22 .12	NO NO		115 113	
B 548	1		P20-AA P129D-23	201 174D				.22 .12	NO NO		115 113	
B 549	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	

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SCALE-NONE | REV LTR H | SHEET 101 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 549A	1		SHLD B549 P21-Y	 202				.25 .29	NO NO		 127	
B 549L			P21-Y P23-E	 17				.29 .22	NO NO		 117	
B 549R			P21-X P23-D	202 17				.22 .22	NO NO		115 117	
B 550	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 550A	1		SHLD B550 P21-A*	 202				.25 .29	NO NO		 127	
B 550L			P21-A* P23-C	202 17				.29 .22	NO NO		 117	
B 550R			P21-Z P23-B	202 17				.22 .22	NO NO		115 117	
B 551	8				4.00 2.25	3.75 2.00				B,6B A,7	120,119 120	
B 551A	1		SHLD B551 P21-C*	 202				.25 .29	NO NO		 127	
B 551L			P21-C* P95-E	202 89				.29 .22	NO NO		 117	
B 551R			P21-B* P95-D	202 89				.22 .20	NO NO		115 117	
B 552	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	

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SCALE-NONE | REV LTR H | SHEET 102 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 552A	1		SHLD B552 P21-E*	 202				.25 .29	NO NO		 127	
B 552L			P21-E* P95-C	202 89				.29 .22	NO NO			
B 552R			P21-D* P95-B	202 231				.22 .20	NO NO		115 117	
B 553	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 553A	1		SHLD B553 E321-B	 204				.25 .25	NO NO			
B 553L			P21-B P91-U*	202 173				.22 .22	NO NO		115 115	
B 553R			P21-A P91-U	202 173				.22 .22	NO NO		115 115	
B 554	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 554B	1		P117A-32 SHLD B554	36				.12 .25	NO NO		138	
B 554L			P21-G* P117A-16	202 36				.22 .12	NO NO		115 113	
B 554R			P21-F* P117A-15	202 36				.22 .12	NO NO		115 113	
B 555	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	

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SCALE-NONE	REV LTR H	SHEET 103 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 555B	1		P115D-18 SHLD B555	77				.12 .25	NO NO		138	
B 555L			P21-P* P115D-18	202 77				.22 .12	NO NO		115	
B 555R			P21-N* P115D-17	202 77				.22 .12	NO NO		115 113	
B 555Y			P21-Q* P117D-3	202 77				.22 .12	NO NO		115 113	
B 556	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 556A	1		SHLD B556 E321-B	 204				.25 .25	NO NO			
B 556L			P21-V P99-A	202 186				.22 .22	NO NO		115 115	
B 556R			P21-W P99-B	202 186				.22 .22	NO NO		115 115	
B 557	1		P21-U P129B-15	202 174B				.22 .12	NO NO		115 113	
B 558	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 558B	1		E322-B SHLD B558	177				.25 .25	NO NO			
B 558L			P21-D P129B-14	202 174B				.22 .12	NO NO		115 113	

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SCALE-NONE	REV LTR H	SHEET 104 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 558R			P21-C P129B-13	202 174B				.22 .12	NO NO		115 113	
B 559	1		P21-V* P129E-27	202 23E				.22 .12	NO NO		115 113	
B 560	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 560B	1		TB6-4 SHLD B560	238				.20 .25	NO NO		74	
B 560L			P22-S TB6-4	205 238				.22 .20	NO NO		117 74	
B 560R			P22-R TB6-8	205 242				.22 .20	NO NO		117 74	
B 561	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 561B	1		TB6-2 SHLD B561	236				.20 .25	NO NO		74	
B 561L			P22-P TB6-2	205 236				.22 .20	NO NO		117 74	
B 561R			P22-N TB5-6	205 232				.22 .20	NO NO		117 73	
B 562	142										120 120	
B 562L			P22-K TB8-9	205 207				.22 .20	NO NO		117 74	

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SCALE-NONE	REV LTR H	SHEET 105 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 562R			P22-J TB7-10	205 216				.22 .20	NO NO		117 74	
B 563	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 563B	1		P115A-16 SHLD B563	78				.12 .22	NO NO			
B 563L			P22-M P115A-16	205 78				.22 .12	NO NO		117 138	
B 563R			P22-L P115A-15	205 78				.22 .12	NO NO		117 113	
B 564	2		P22-A P126F-29	205 30				.22 .22	NO NO		117 138	
B 565	2		P23-A P126E-32	17 31				.22 .22	NO NO		117 138	
B 566	2		P24-EE TB7-1	196 224				.22 .20	NO NO		127 74	
B 567	2		P24-FF TB8-1	196 215				.22 .20	NO NO		127 74	
B 568												
B 568K	1		P24-PP TB6-1	196 235				.22 .20	NO NO		115 74	
B 568L	1		P24-LL TB5-2	196 229				.22 .20	NO NO		115 73	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 106 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 568R	1		P24-NN	196				.22	NO		115	
			TB5-1	228				.20	NO		73	
B 568Y	1		P24-MM	196				.22	NO		115	
			TB5-3	230				.20	NO		73	
B 569	1		P24-Q*	196				.22	NO		115	
			P37-E*	38				.22	NO		115	
B 570	8				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	
B 570A	1		SHLD B570					.25	NO			
			TB6-3	237				.20	NO		74	
B 570L			P24-HH	196				.22	NO		115	
			TB6-3	237				.20	NO		74	
B 570R			P24-GG	196				.22	NO		115	
			TB5-6	232				.20	NO		73	
B 571	1		P24-A*	196				.22	NO		115	
			P130B-5	179B				.12	NO		113	
B 572	1		P24-R	196				.22	NO		115	
			P99-Q*	186				.22	NO		115	
B 573	1		P24-P	196				.22	NO		115	
			P99-W*	186				.22	NO		115	
B 574	1		P24-D*	196				.22	NO		115	
			P99-G*	186				.22	NO		115	
B 575	1		P24-I*	196				.22	NO		115	
			P36-H*	181				.22	NO		115	

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 576	1		P24-Z*	196				.22	NO		115	
			P92-V	183				.22	NO		115	
B 577	1		P24-Y*	196				.22	NO		115	
			P92-U	183				.22	NO		115	
B 578	1		P24-X*	196				.22	NO		115	
			P92-T	183				.22	NO		115	
B 579	1		P24-BB	196				.22	NO		115	
			P92-R	183				.22	NO		115	
B 580	1		P24-AA	196				.22	NO		115	
			P92-S	183				.22	NO		115	
B 581	1		P24-W*	196				.22	NO		115	
			P96-A*	182				.22	NO		115	
B 582	1		P24-V*	196				.22	NO		115	
			P96-B*	182				.22	NO		115	
B 583	1		P24-U*	196				.22	NO		115	
			P96-C*	182				.22	NO		115	
B 584	1		P24-JJ	196				.22	NO		115	
			P92-X	183				.22	NO		115	
B 585	1		P24-B	196				.22	NO		115	
			P129E-32	23E				.12	NO		113	
B 586	2		P24-A	196				.22	NO		127	
			P126F-31	30				.22	NO		138	
B 587	7				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	

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SCALE-NONE | REV LTR H | SHEET 108 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 587A	1		SHLD B587					.25	NO			
			P129E-32	23E				.12	NO			
B 587L			P24-K*	196				.22	NO		115	
			P98-X*	187				.22	NO		115	
B 587R			P24-J*	196				.22	NO		115	
			P98-W*	187				.22	NO		115	
B 588	1		P24-CC	196				.22	NO		115	
			P114A-9	38				.12	NO		113	
B 589	1		P24-DD	196				.22	NO		115	
			P114A-10	38				.12	NO		113	
B 590	1		P24-D	196				.22	NO		115	
			P34-Y*	188				.22	NO		115	
B 591	1		P24-C	199				.22	NO		115	
			P130E-3	22E				.12	NO		113	
B 592	1		P24-V	195				.22	NO		115	
			TB4-10	227				.20	NO		73	
B 593	1		P24-Z	196				.22	NO		115	
			P129D-15	174D				.12	NO		113	
B 594	1		P24-G*	196				.22	NO		115	
			P130D-3	179D				.12	NO		113	
B 595	1		P24-M*	196				.22	NO		115	
			P37-D*	251				.22	NO		115	
B 596	1		P24-T*	196				.22	NO		115	
			P130B-7	179B				.12	NO		113	

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SCALE-NONE | REV LTR H | SHEET 109 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 597	1		P24-KK	196				.22	NO		115	
			P129A-7	174A				.12	NO		113	
B 598	1		P25-B*	195				.22	NO		115	
			P99-A*	186				.22	NO		115	
B 599	1		P25-C*	195				.22	NO		115	
			P104D-27	70				.12	NO		113	
B 600	1		P25-D*	195				.22	NO		115	
			P104D-28	70				.12	NO		113	
B 601	1		P25-Z	195				.22	NO		115	
			P34-V	188				.22	NO		115	
B 602	3		P25-S	195				.22	NO		115	
			P129A-21	174				.12	NO		113	
B 603	1		P25-W	195				.22	NO		115	
			P90-D	21				.20	YES			
B 604	10				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120	
B 604A	1		SHLD B604					.25	NO			
			E328-B	175				.25	NO			
B 604L			P25-Y	195				.22	NO		115	
			P97-F	116				.22	NO		114	
B 604R			P25-X	195				.22	NO		115	
			P97-E	116				.22	NO		114	
B 605	1		P25-T*	195				.22	NO		115	
			P129A-27	174A				.12	NO		113	

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SCALE-NONE | REV LTR H | SHEET 110 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 606	1		P25-CC P61-5	195 123				.22 .19	NO NO		115 134	
B 607	1		P25-DD P121D-29	195 72				.22 .12	NO NO		115 113	
B 608	3		P25-FF P129A-25	195 174A				.22 .12	NO NO		115 113	
B 609	3		P25-GG P129A-26	195 174A				.22 .12	NO NO		115 113	
B 610	3		P25-HH P130C-9	195 179C				.22 .12	NO NO		115 113	
B 611	3		P25-JJ P130C-10	195 179C				.22 .12	NO NO		115 113	
B 612	3		P25-KK P129A-24	195 174A				.22 .12	NO NO		115 113	
B 613	3		P25-LL P129A-23	195 174A				.22 .12	NO NO		115 113	
B 614	1		P25-MM P27-GG	195 185				.22 .22	NO NO		115 115	
B 615	140										120 120	
B 615L			P26-V P129E-20	194 23E				.22 .12	NO NO		115 113	
B 615R			P26-U P129E-19	194 23E				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 616	1		P25-BB P115D-22	195 78				.22 .12	NO NO		115 113	
B 617	118				4.00 .52	3.75 .23				B,68 A,10	120,119 92, 94	
B 617A	1		SHLD B617 P26-S	 194				.25 .22	NO NO		 115	
B 617B			P26-R P93-F1	194 130				.22 .11	NO NO		115 90	
B 617X			SHLD B617 P93-F2	 130								
B 618	7				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 618B	1		P120D-31 SHLD B618	33				.22 .25	NO NO		113	
B 618L			P26-MM P120D-8	194 33				.22 .12	NO NO		115 113	
B 618R			P26-LL P120D-7	194 33				.22 .12	NO NO		115 113	
B 619	7				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 619B	1		P104D-31 SHLD B619	68				.12 .25	NO NO		113	
B 619L			P26-I* P104D-16	194 68				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 619R			P26-H* P104D-15	194 68				.22 .12	NO NO		115 113	
B 620	7				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 620B	1		P109D-31 SHLD B620	79				.12 .25	NO NO		113	
B 620L			P26-P P109D-20	194 79				.22 .12	NO NO		115 113	
B 620R			P26-N P109D-19	194 79				.22 .12	NO NO		115 113	
B 621	143				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 621A	1		SHLD B621 E313-B	 4				.25 .25	NO NO			
B 621L			P26-B P37-KK	194 251				.22 .22	NO NO		115 115	
B 621R			P26-A P37-LL	194 251				.22 .22	NO NO		115 115	
B 621Y			P26-C P37-JJ	194 251				.22 .22	NO NO		115 115	
B 622	1		P26-BB P110A-19	194 63				.22 .12	NO NO		115 113	
B 623	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 623B	1		E300-B SHLD B623	43				.25 .25	NO NO			
B 623L			P26-X P108A-18	194 46				.22 .12	NO NO		115 113	
B 623R			P26-W P108A-17	194 46				.22 .12	NO NO		115 113	
B 624			DELETED									
B 625	1		P26-U* P102A-1	194 50				.22 .12	NO NO		115 113	
B 626	1		P27-H* P48-R*	185 169				.22 .22	NO NO		115 115	
B 627	1		P27-I* P48-S*	185 169				.22 .22	NO NO		115 115	
B 628	1		P27-J* P48-R	185 169				.22 .22	NO NO		115 115	
B 629	1		P27-K* P48-S	185 169				.22 .22	NO NO		115 115	
B 630	1		P27-M* P48-V	185 169				.22 .22	NO NO		115 115	
B 631	1		P27-N* P48-W	185 169				.22 .22	NO NO		115 115	
B 632	1		P27-P* P48-Q*	185 169				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 633	1		P27-Q* P48-DD	185 169				.22 .22	NO NO		115 115	
B 634	1		P27-T* P48-M*	185 169				.22 .22	NO NO		115 115	
B 635	1		P27-U* P48-P*	185 169				.22 .22	NO NO		115 115	
B 636	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 636A	1		SHLD B636 P27-W*	 185				.25 .22	NO NO		 115	
B 636F			P27-V* P126A-19A	185 171				.22 .11	NO NO		115 96	
B 636X			SHLD B636 P126A-19B	 171								
B 637	1		P27-JJ P130B-3	185 179B				.22 .12	NO NO		115 113	
B 638	1		P27-LL P48-HH	185 169				.22 .22	NO NO		115 115	
B 639	1		P27-MM P48-PP	185 169				.22 .22	NO NO		115 115	
B 640	1		P27-NN P130D-1	185 179D				.22 .12	NO NO		115 113	
B 641	1		P27-PP P31-LL	185 191				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 115 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 642	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 642B	1		E323-B SHLD B642	128				.25 .25	NO NO			
B 642L			P28-C P65-M*	113 131				.22 .22	NO NO		115 115	
B 642R			P28-B P65-M	113 131				.22 .22	NO NO		115 115	
B 643	1		P28-D P103D-32	113 84				.22 .12	NO NO		115 138	
B 644	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 644B	1		E334-B SHLD B644	124				.25 .25	NO NO			
B 644L			P29-C P116A-26	111 58				.22 .12	NO NO		115 113	
B 644R			P29-B P116A-25	111 58				.22 .12	NO NO		115 113	
B 645	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 645B	1		E324-B SHLD B645	56				.25 .25	NO NO			
B 645L			P29-G P116A-6	111 58				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 116 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 645R			P29-F P116A-7	111 58				.22 .12	NO NO		115 113	
B 646	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 646B	1		E306-B SHLD B646	57				.25 .25	NO NO			
B 646L			P29-E P116A-14	111 58				.22 .12	NO NO		115 113	
B 646R			P29-D P116A-13	111 58				.22 .12	NO NO		115 113	
B 647	9				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 647B	1		TB9-9 SHLD B647	97				.20 .25	NO NO		74	
B 647L			P30-F TB9-9	112 97				.22 .20	NO NO		117 74	
B 647R			P30-D TB9-6	112 100				.22 .20	NO NO		117 74	
B 648	2		P30-A P126E-30	112 30				.22 .22	NO NO		117 138	
B 649	1		P31-MM P99-C*	191 186				.22 .22	NO NO		115 115	
B 650	1		P31-NN P99-H*	191 186				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 117 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 651	1		P31-V* P99-D*	191 186				.22 .22	NO NO		115 115	
B 652	1		P31-W* P99-J*	191 186				.22 .22	NO NO		115 115	
B 653	1		P31-HH P99-E*	191 186				.22 .22	NO NO		115 115	
B 654	1		P31-JJ P99-I*	191 186				.22 .22	NO NO		115 115	
B 655	1		P31-BB P98-K	191 187				.22 .22	NO NO		115 115	
B 656	3		P31-X* P99-DD	191 186				.22 .22	NO NO		115 115	
B 657	1		P31-Q* P96-B	191 187				.22 .22	NO NO		115 115	
B 658	1		P31-D P98-A	191 187				.22 .22	NO NO		115 115	
B 659	1		P31-J* P34-W*	191 188				.22 .22	NO NO		115 115	
B 660	1		P31-H* P34-P*	191 188				.22 .22	NO NO		115 115	
B 661	1		P31-G* P34-T*	191 188				.22 .22	NO NO		115 115	
B 662	1		P31-A P98-E*	191 187				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 118 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 663	1		P31-B* P98-F*	191 187				.22 .22	NO NO		115 115	
B 664	1		P31-A* P34-R*	191 188				.22 .22	NO NO		115 115	
B 665	1		P31-Z P34-U*	191 188				.22 .22	NO NO		115 115	
B 666	1		P31-Y P98-D*	191 187				.22 .22	NO NO		115 115	
B 667	1		P31-J P34-X*	191 188				.22 .22	NO NO		115 115	
B 668	1		P31-T P98-M	191 137				.22 .22	NO NO		115 115	
B 669	1		P31-S P98-Y	191 187				.22 .22	NO NO		115 115	
B 670	1		P31-L P98-K	191 187				.22 .22	NO NO		115 115	
B 671	1		P31-B P98-Z	191 187				.22 .22	NO NO		115 115	
B 672	1		P31-W P98-B*	191 187				.22 .22	NO NO		115 115	
B 673	1		P31-V P98-A*	191 187				.22 .22	NO NO		115 115	
B 674	1		P31-P* P130F-1	191 22F				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 675	1		P31-GG P36-V	191 184				.22 .22	NO NO		115 115	
B 676	1		P31-DD P92-D*	191 183				.22 .22	NO NO		115 115	
B 677	1		P31-KK P92-E*	191 183				.22 .22	NO NO		115 115	
B 678	1		P31-E P92-C*	191 183				.22 .22	NO NO		115 115	
B 679	1		P31-PP P92-J*	191 183				.22 .22	NO NO		115 115	
B 680	3		P31-M E301-B	191 39				.22 .25	NO NO		115	
B 681	1		P31-P P98-G	191 187				.22 .22	NO NO		115 115	
B 682	1		P31-R P98-C*	191 187				.22 .22	NO NO		115 115	
B 683	1		P31-U P98-H	191 187				.22 .22	NO NO		115 115	
B 684	1		P31-X P98-N	191 187				.22 .22	NO NO		115 115	
B 685	1		P31-C* P98-J	191 187				.22 .22	NO NO		115 115	
B 686	1		P31-D* P121A-23	191 74				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 687	1		P31-E* P129E-24	191 23E				.22 .12	NO NO		115 113	
B 688	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 688B	1		E329-B SHLD B688	44				.25 .25	NO NO			
B 688L			P32-A* P108A-24	190 46				.22 .12	NO NO		115 113	
B 688R			P32-A P108A-23	190 46				.22 .12	NO NO		115 113	
B 689	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 689B	1		E324-B SHLD B689	180				.25 .25	NO NO			
B 689L			P32-P P36-V*	190 181				.22 .22	NO NO		115 115	
B 689R			P32-R P36-S*	190 181				.22 .22	NO NO		115 115	
B 690	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 690B	1		E324-B SHLD B690	180				.25 .25	NO NO			
B 690L			P32-DD P36-U*	190 181				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 690R			P32-EE P36-R*	190 181				.22 .22	NO NO		115 115	
B 691	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 691B	1		E324-B SHLD B691	180				.25 .25	NO NO			
B 691L			P32-V* P36-T*	190 181				.22 .22	NO NO		115 115	
B 691R			P32-U* P36-P*	190 181				.22 .22	NO NO		115 115	
B 692	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 692B	3		E325-B SHLD B692	67				.25 .25	NO NO			
B 692L			P32-R* P107A-17	190 65				.22 .12	NO NO		115 113	
B 692R			P32-Q* P107A-19	190 65				.22 .12	NO NO		115 113	
B 693	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 693B	3		E325-B SHLD B693	67				.25 .25	NO NO			
B 693L			P32-P* P107A-11	190 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 693R			P32-N* P107A-13	190 65				.22 .12	NO NO		115 113	
B 694	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 694B	3		E325-B SHLD B694	67				.25 .25	NO NO			
B 694L			P32-T P107A-10	190 65				.22 .12	NO NO		115 113	
B 694R			P32-S P107A-9	190 65				.22 .12	NO NO		115 113	
B 695	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 695B	3		E325-B SHLD B695	67				.25 .22	NO NO			
B 695L			P32-V P107A-16	190 65				.22 .12	NO NO		115 113	
B 695R			P32-U P107A-15	190 65				.22 .12	NO NO		115 113	
B 696	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 696B	3		E325-B SHLD B696	67				.25 .25	NO NO			
B 696L			P32-T* P107A-23	190 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 696R			P32-S* P107A-25	190 65				.22 .12	NO NO		115 113	
B 697	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 697B	3		E325-B SHLD B697	67				.25 .25	NO NO			
B 697L			P32-X P107A-22	190 65				.22 .12	NO NO		115 113	
B 697R			P32-W P107A-21	190 65				.22 .12	NO NO		115 113	
B 698	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 698B	1		E330-B SHLD B698	76				.25 .22	NO NO			
B 698L			P32-MM P118A-10	190 75				.22 .12	NO NO		115 113	
B 698R			P32-PP P118A-9	190 75				.22 .12	NO NO		115 113	
B 699	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 699B	1		E330-B SHLD B699	76				.25 .25	NO NO			
B 699L			P32-FF P118A-18	190 75				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 699R			P32-NN P118A-17	190 75				.22 .12	NO NO		115 113	
B 700	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 700B	1		E330-B SHLD B700	76				.25 .25	NO NO			
B 700L			P32-Z P118A-16	190 75				.22 .12	NO NO		115 113	
B 700R			P32-Y P118A-15	190 75				.22 .12	NO NO		115 113	
B 701	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 701B	1		E326-B SHLD B701	66				.25 .25	NO NO			
B 701L			P32-C* P107A-30	190 65				.22 .12	NO NO		115 113	
B 701R			P32-C P107A-29	190 65				.22 .12	NO NO		115 113	
B 702	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 702B	1		E302-B SHLD B702	40				.25 .25	NO NO			
B 702L			P32-F* P108D-20	190 45				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 702R			P32-F P108D-19	190 45				.22 .12	NO NO		115 113	
B 703	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 703B	1		E329-B SHLD B703	44				.25 .25	NO NO			
B 703L			P32-H* P108A-6	190 46				.22 .12	NO NO		115 113	
B 703R			P32-H P108A-5	190 46				.22 .12	NO NO		115 113	
B 704	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 704B	1		E302-B SHLD B704	40				.25 .25	NO NO			
B 704L			P32-M* P108D-8	190 45				.22 .12	NO NO		115 113	
B 704R			P32-M P108D-7	190 45				.22 .12	NO NO		115 113	
B 705	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 705B	1		E329-B SHLD B705	44				.25 .25	NO NO			
B 705L			P32-B P108A-28	190 46				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 705R			P32-B* P108A-27	190 40				.22 .12	NO NO		115 113	
B 706	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 706B	1		E326-B SHLD B706	44				.25 .12	NO NO			
B 706L			P32-D* P107A-28	190 65				.22 .12	NO NO		115 113	
B 706R			P32-D P107A-27	190 65				.22 .12	NO NO		115 113	
B 707	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 707B	1		E329-B SHLD B707	44				.25 .25	NO NO			
B 707L			P32-G* P108A-21	190 46				.22 .12	NO NO		115 113	
B 707R			P32-G P108A-22	190 46				.22 .12	NO NO		115 113	
B 709	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 709B	1		E329-B SHLD B709	44				.25 .25	NO NO			
B 709L			P32-J* P108A-4	190 46				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 709R			P32-J P108A-3	190 46				.22 .12	NO NO		115 113	
B 711	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 711B	1		P105A-32 SHLD B711	48				.12 .25	NO NO		113 113	
B 711L			P32-Z* P105A-28	190 48				.22 .12	NO NO		115 113	
B 711R			P32-Y* P105A-27	190 48				.22 .12	NO NO		115 113	
B 712L			DELETED									
B 713	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 713B	1		E302-B SHLD B713	40				.25 .25	NO NO			
B 713L			P32-AA P108D-14	190 45				.22 .12	NO NO		115 113	
B 713R			P32-BB P108D-13	190 45				.22 .12	NO NO		115 113	
B 714	2		P33-F TB8-3	189 213				.22 .20	NO NO		127 74	
B 715	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 715B	1		E329-B SHLD B715	44				.25 .25	NO NO			
B 715L			P32-LL P108A-10	190 46				.22 .12	NO NO		115 113	
B 715R			P32-KK P108A-9	190 46				.22 .12	NO NO		115 113	
B 716	2		P33-D TB7-4	189 222				.22 .20	NO NO		127 74	
B 717	3		P33-B TB1-2	189 165				.22 .20	NO NO		115 73	
B 718	3		P33-X TB2-2	189 156				.22 .20	NO NO		115 74	
B 719	2		P33-A P126F-26	189 30				.22 .22	NO NO		127 138	
B 720	3		P33-C TB3-2	189 154				.22 .20	NO NO		115 73	
B 721	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 721B	1		P115A-18 SHLD B721	78				.12 .25	NO NO			
B 721L			P33-J P115A-18	189 78				.22 .12	NO NO		115 138	
B 721R			P33-H P115A-17	189 78				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 721Y			P33-G P117A-3	189 36				.22 .12	NO NO		115 113	
B 722	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 722B	1		P129A-32 SHLD B722	174A				.12 .22	NO NO			
B 722L			P33-L P129A-20	189 174A				.22 .12	NO NO		115 113	
B 722R			P33-K P129A-19	189 174A				.22 .12	NO NO		115 113	
B 723	1		P33-M P34-Z*	189 188				.22 .22	NO NO		115 115	
B 724	1		P33-N P34-AA	189 188				.22 .22	NO NO		115 115	
B 725	1		P33-P P34-BB	189 198				.22 .22	NO NO		115 115	
B 726	1		P33-S P129A-15	189 174A				.22 .12	NO NO		115 113	
B 727	1		P33-F P129A-5	189 174A				.22 .12	NO NO		115 113	
B 728	1		P33-Y P130A-3	189 179A				.22 .12	NO NO		115 113	
B 729	1		P33-A* P129A-29	189 174A				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 730	1		P33-U* P129A-30	189 174A				.22 .12	NO NO		115 113	
B 731	1		P34-U TB5-3	188 230				.22 .20	NO NO		115 73	
B 732	2		P34-W TB7-3	188 223				.22 .20	NO NO		127 74	
B 733	2		P34-X TB6-2	188 214				.22 .20	NO NO		127 74	
B 734	1		P34-J* P36-M	188 181				.22 .22	NO NO		115 115	
B 735	1		P34-H* P36-W	188 181				.22 .22	NO NO		115 115	
B 736	2		P34-A P126F-25	188 30				.22 .22	NO NO		127 136	
B 737	1		P34-B* P129A-11	188 174A				.22 .12	NO NO		115 113	
B 738	1		P34-C* P129A-12	188 174A				.22 .12	NO NO		115 113	
B 739	1		P34-R P129B-5	188 174B				.22 .12	NO NO		115 113	
B 740	3		P34-P P129B-21	188 174B				.22 .12	NO NO		115 113	
B 741	1		P34-Y TB4-9	188 226				.22 .20	NO NO		115 73	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 742	1		P34-Z P90-C	188 21				.22 .20	NO YES		115	
B 743	1		P34-I* P96-LL	188 182				.22 .22	NO NO		115 115	
B 744	1		P34-M* P120D-2	188 33				.22 .12	NO NO		115 113	
B 745	1		P34-CC P65-KK	188 131				.22 .22	NO NO		115 115	
B 746	1		P34-DD P65-LL	188 131				.22 .22	NO NO		115 115	
B 747	1		P34-EE P65-JJ	188 131				.22 .22	NO NO		115 115	
B 748	1		P34-FF P65-FF	188 131				.22 .22	NO NO		115 115	
B 749	1		P34-GG P65-GG	188 131				.22 .22	NO NO		115 115	
B 750	1		P34-HH P65-HH	188 131				.22 .22	NO NO		115 115	
B 751	1		P34-K P129A-17	188 174A				.22 .12	NO NO		115 113	
B 752	1		P34-F P130C-3	188 179C				.22 .12	NO NO		115 113	
B 753	1		P34-J P121A-25	188 74				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 754	1		P34-N P130C-5	188 179C				.22 .12	NO NO		115 113	
B 755	3		P34-A* P129B-27	188 174B				.22 .12	NO NO		115 113	
B 756	1		P34-D* P130A-5	188 179A				.22 .12	NO NO		115 113	
B 757	1		P34-KK P130D-10	188 179D				.22 .12	NO NO		115 113	
B 758	1		P34-LL P130D-9	188 179D				.22 .12	NO NO		115 113	
B 759	1		P34-MM P129B-25	188 174B				.22 .12	NO NO		115 113	
B 760	1		P34-NN P129B-26	188 174B				.22 .13	NO NO		115 113	
B 761	2		P35-A P126F-24	184 30				.22 .22	NO NO		127 138	
B 762	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 762B	1		E331-B SHLD B762	69				.25 .25	NO NO			
B 762L			P35-Y P104A-16	184 70				.22 .12	NO NO		115 113	
B 762R			P35-Z P104A-15	184 70				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 763	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 763B	1		SHLD B763 P103A-31	 85				.25 .12	NO NO		 113	
B 763L			P35-E* P103A-28	184 85				.22 .12	NO NO		115 113	
B 763R			P35-F* P103A-27	184 85				.22 .12	NO NO		115 113	
B 764	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 764B	1		E312-B SHLD B764	178				.25 .25	NO NO			
B 764L			P35-V P129A-14	184 174A				.22 .12	NO NO		115 113	
B 764R			P35-U P129A-13	184 174A				.22 .12	NO NO		115 113	
B 765	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 765B	1		E322-B SHLD B765	177				.25 .25	NO NO			
B 765L			P35-R P129B-20	184 174B				.22 .12	NO NO		115 113	
B 765R			P35-P P129B-19	184 174B				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 766	1		P35-AA P110D-1	184 60				.22 .12	NO NO		115 113	
B 767	1		P35-H P62-51	184 125				.22 .19	NO NO		115 134	
B 768	1		P35-N P62-34	184 125				.22 .19	NO NO		115 134	
B 769	1		P35-Q* P114A-11	184 38				.22 .12	NO NO		115 113	
B 770	1		P35-J* P129B-24	184 174B				.22 .12	NO NO		115 113	
B 771	1		P35-K* P129B-23	184 174B				.22 .12	NO NO		115 113	
B 772	1		P35-M* P121D-25	184 72				.22 .12	NO NO		115 113	
B 775	1		P35-R* P114A-12	184 38				.22 .12	NO NO		115 113	
B 776	1		P36-P P98-L	181 187				.22 .22	NO NO		115 115	
B 777	1		P36-S P129D-5	181 174D				.22 .12	NO NO		115 113	
B 778	1		P36-U P98-V*	181 187				.22 .22	NO NO		115 115	
B 779	2		P36-T TB7-5	181 221				.22 .20	NO NO		115 74	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 780	1		P36-PP P106A-27	181 83				.22 .12	NO NO		115 113	
B 781	1		P36-NN P107D-3	181 64				.22 .12	NO NO		115 113	
B 782	1		P36-FF P110A-11	181 63				.22 .12	NO NO		115 113	
B 783	1		P36-KK P110A-17	181 63				.22 .12	NO NO		115 113	
B 784	1		P36-HH P110A-15	181 63				.22 .12	NO NO		115 113	
B 785	1		P36-D* P120D-13	181 33				.22 .12	NO NO		115 113	
B 786	1		P36-F* P120D-9	181 33				.22 .12	NO NO		115 113	
B 787	1		P36-B* P120D-14	181 33				.22 .12	NO NO		115 113	
B 788	1		P36-M* P98-T*	181 187				.22 .22	NO NO		115 115	
B 789	1		P36-I* P120D-10	181 33				.22 .12	NO NO		115 113	
B 790			DELETED									
B 791	1		P36-Z* P130A-7	181 179A				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 136 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 792	8				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 792B	1		TB6-2 SHLD B792	236				.20 .25	NO NO		74	
B 792L			P37-F* TB6-2	251 236				.22 .20	NO NO		115 74	
B 792R			P37-G* TB5-8	251 234				.22 .20	NO NO		115 73	
B 793	2		P37-GG TB8-8	251 246				.22 .20	NO NO		127 74	
B 794	7				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 794B	1		P103D-32 SHLD B794	84				.12 .25	NO NO			
B 794L			P37-X P103D-26	251 84				.22 .12	NO NO		115 113	
B 794R			P37-Y P103D-25	251 84				.22 .12	NO NO		115 113	
B 795	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 795B	1		P120D-32 SHLD B795	33				.12 .22	NO NO		138	
B 795L			P37-V P120D-16	251 33				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 137 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 795R			P37-U P120D-15	251 33				.22 .12	NO NO		115 113	
B 797	10				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 797B	1		P120D-32 SHLD B797	33				.12 .25	NO NO			
B 797L			P37-T P120D-18	251 33				.22 .12	NO NO		115 113	
B 797R			P37-S P120D-17	251 33				.22 .12	NO NO		115 113	
B 799	1		P37-FF P99-HH	251 186				.22 .22	NO NO		115 115	
B 800	1		P37-N P120D-3	251 33				.22 .12	NO NO		115 113	
B 801	1		P37-P P120D-4	251 33				.22 .12	NO NO		115 113	
B 802	1		P37-a P129E-15	251 23E				.22 .12	NO NO		115 113	
B 803	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 803A	1		SHLD B803 E338-8	8				.25 .25	NO NO			
B 803L			J19-S* P37-G	7 251				.22 .22	NO NO		126 127	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 803R			J19-A P37-J	7 251				.22 .22	NO NO		126 127	
B 805	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 805A	1		SHLD B805 E338-B	 8				.25 .25	NO NO			
B 805L			J19-T* P37-H	7 251				.22 .22	NO NO		126 127	
B 805R			J19-B P37-F	7 251				.22 .22	NO NO		126 127	
B 807	3		P37-b* P129E-21	251 23E				.22 .12	NO NO		115 113	
B 808	1		P37-EE P130F-5	251 22F				.22 .12	NO NO		115 113	
B 809	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 809B	1		TB9-10 SHLD B809	96				.20 .25	NO NO		74	
B 809L			P38-E TB9-10	104 96				.22 .20	NO NO		117 74	
B 809R			P38-D TB9-7	104 99				.22 .20	NO NO		117 74	
B 810	2		P38-A P126E-27	104 31				.22 .22	NO NO		117 138	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 811	3		P38-F P63-X*	104 137				.22 .22	NO NO		117 115	
B 812	3		P38-G P63-Y*	104 137				.22 .22	NO NO		117 115	
B 813	3		P38-H P63-W*	104 137				.22 .22	NO NO		117 115	
B 814	1		P38-C TB9-2	104 102				.22 .20	NO NO		117 74	
B 815	1		P39-A P64-b	105 134				.22 .22	NO NO		115 115	
B 816	1		P39-B P64-C	105 134				.22 .22	NO NO		115 115	
B 817	1		P39-S P64-U	105 134				.22 .22	NO NO		115 115	
B 818	1		P39-T P64-V	105 134				.22 .22	NO NO		115 115	
B 819	1		P39-C P64-N	105 134				.22 .22	NO NO		115 115	
B 820	1		P39-D P64-D	105 134				.22 .22	NO NO		115 115	
B 821	1		P39-E P64-E	105 134				.22 .22	NO NO		115 115	
B 822	1		P39-F P64-F	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 823	1		P39-G P64-G	105 134				.22 .22	NO NO		115 115	
B 824	1		P39-H P64-H	105 134				.22 .22	NO NO		115 115	
B 825	1		P39-J P64-J	105 134				.22 .22	NO NO		115 115	
B 826	1		P39-K P64-K	105 134				.22 .22	NO NO		115 115	
B 827	1		P39-L P64-L	105 134				.22 .22	NO NO		115 115	
B 828	1		P39-M P64-M	105 134				.22 .22	NO NO		115 115	
B 829	1		P39-N P64-P	105 134				.22 .22	NO NO		115 115	
B 830	1		P39-P P64-W	105 134				.22 .22	NO NO		115 115	
B 831	1		P39-R P64-X	105 134				.22 .22	NO NO		115 115	
B 832	1		P39-U P64-H*	105 134				.22 .22	NO NO		115 115	
B 833	1		P39-V P64-Y	105 134				.22 .22	NO NO		115 115	
B 834	1		P39-W P64-Z	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 835	1		P39-X P64-A*	105 134				.22 .22	NO NO		115 115	
B 836	1		P39-Y P64-B*	105 134				.22 .22	NO NO		115 115	
B 837	1		P39-Z P64-C*	105 134				.22 .22	NO NO		115 115	
B 838	1		P39-A* P64-D*	105 134				.22 .22	NO NO		115 115	
B 839	1		P39-B* P64-E*	105 134				.22 .22	NO NO		115 115	
B 840	1		P39-C* P64-F*	105 134				.22 .22	NO NO		115 115	
B 841	1		P39-D* P64-G*	105 134				.22 .22	NO NO		115 115	
B 842	1		P39-E* P64-I*	105 134				.22 .22	NO NO		115 115	
B 843	1		P39-F* P64-U*	105 134				.22 .22	NO NO		115 115	
B 844	1		P39-G* P64-T*	105 134				.22 .22	NO NO		115 115	
B 845	1		P39-H* P64-S*	105 134				.22 .22	NO NO		115 115	
B 846	1		P39-I* P64-R*	105 134				.22 .22	NO NO		115 115	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 847	1		P39-J* P64-Q*	105 134				.22 .22	NO NO		115 115	
B 848	1		P39-K* P64-P*	105 134				.22 .22	NO NO		115 115	
B 849	1		P39-M* P64-N*	105 134				.22 .22	NO NO		115 115	
B 850	1		P39-N* P64-M*	105 134				.22 .22	NO NO		115 115	
B 851	1		P39-R* P116D-20	105 55				.22 .12	NO NO		115 113	
B 852	1		P40-N P65-AA	106 131				.22 .22	NO NO		115 115	
B 853	1		P40-P P65-BB	106 131				.22 .22	NO NO		115 115	
B 854	1		P40-S P63-A*	106 131				.22 .22	NO NO		115 115	
B 855	1		P40-T P63-B*	106 131				.22 .22	NO NO		115 115	
B 856	1		P40-U P63-C*	106 137				.22 .22	NO NO		115 115	
B 857	1		P40-V P63-D*	106 137				.22 .22	NO NO		115 115	
B 858	1		P40-W P63-E*	106 137				.22 .22	NO NO		115 115	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 859	1		P40-X P63-F*	106 137				.22 .22	NO NO		115 115	
B 860	1		P40-Y P63-G*	106 137				.22 .22	NO NO		115 115	
B 861	1		P40-Z P63-H*	106 137				.22 .22	NO NO		115 115	
B 862	1		P40-A* P63-I*	106 137				.22 .22	NO NO		115 115	
B 863	1		P40-C* P63-Z	106 137				.22 .22	NO NO		115 115	
B 864	1		P40-D* P63-Y	106 137				.22 .22	NO NO		115 115	
B 865	1		P40-E* P63-X	106 137				.22 .22	NO NO		115 115	
B 866	1		P40-F* P63-W	106 137				.22 .22	NO NO		115 115	
B 867	1		P40-G* P63-V	106 137				.22 .22	NO NO		115 115	
B 868	1		P40-H* P63-U	106 137				.22 .22	NO NO		115 115	
B 869	1		P40-I* P63-T	106 137				.22 .22	NO NO		115 115	
B 870	1		P40-J* P63-S	106 137				.22 .22	NO NO		115 115	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 871	1		P40-K* P63-R	106 137				.22 .22	NO NO		115 115	
B 872	1		P40-M* P65-CC	106 131				.22 .22	NO NO		115 115	
B 873	1		P40-T* P64-K	106 134				.22 .22	NO NO		115 115	
B 874	1		P40-B* P47-J*	106 115				.22 .22	NO NO		115 114	
B 875	1		P40-U* P47-N*	106 115				.22 .22	NO NO		115 114	
B 876	1		P40-V* P47-F*	106 115				.22 .22	NO NO		115 114	
B 877	1		P40-W* P47-G*	106 115				.22 .22	NO NO		115 114	
B 878	1		P40-X* P47-K*	106 115				.22 .22	NO NO		115 114	
B 879	1		P40-Y* P47-W	106 115				.22 .22	NO NO		115 114	
B 880	1		P40-Z* P47-X	106 115				.22 .22	NO NO		115 114	
B 881	1		P40-AA P47-Z	106 115				.22 .22	NO NO		115 114	
B 882	1		P40-BB P47-A*	106 115				.22 .22	NO NO		115 114	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 145 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 883	1		P40-CC P47-M	106 115				.22 .22	NO NO		115 114	
B 884	1		P40-DD P47-P	106 115				.22 .22	NO NO		115 114	
B 885	1		P40-EE P47-S	106 115				.22 .22	NO NO		115 114	
B 886	1		P40-FF P47-V	106 115				.22 .22	NO NO		115 114	
B 887	1		P40-GG P47-H	106 115				.22 .22	NO NO		115 114	
B 888	1		P40-HH P47-J	106 115				.22 .22	NO NO		115 114	
B 889	1		P40-JJ P47-K	106 115				.22 .22	NO NO		115 114	
B 890	1		P40-KK P47-L	106 115				.22 .22	NO NO		115 114	
B 891	1		P40-LL P47-B	106 115				.22 .22	NO NO		115 114	
B 892	1		P40-MM P47-C	106 115				.22 .22	NO NO		115 114	
B 893	1		P40-NN P47-D	106 115				.22 .22	NO NO		115 114	
B 894	1		P40-PP P47-F	106 115				.22 .22	NO NO		115 114	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 146 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 895	1		P40-N* P47-B*	106 115				.22 .22	NO NO		115 114	
B 896	1		P40-P* P47-C*	106 115				.22 .22	NO NO		115 114	
B 897	1		P40-Q* P47-D*	106 115				.22 .22	NO NO		115 114	
B 898	1		P40-R* P47-E*	106 115				.22 .22	NO NO		115 114	
B 899	1		P40-S* P47-M*	106 115				.22 .22	NO NO		115 114	
B 900	1		P41-A P116D-19	107 55				.22 .12	NO NO		115 113	
B 901	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 901A	1		SHLD B901 E323-B	 128				.25 .25	NO NO			
B 901L			P46-C P65-K*	117 131				.22 .22	NO NO		115 115	
B 901R			P46-B P65-K	117 131				.22 .22	NO NO		115 115	
B 902	1		P47-U P63-AA	115 137				.22 .22	NO NO		114 115	
B 903	1		P47-Y P63-Z*	115 137				.22 .22	NO NO		114 115	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 147 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 904	1		P47-T P63-BB	115 137				.22 .22	NO NO		114 115	
B 905	2		P48-A P126E-23	169 31				.22 .22	NO NO		127 138	
B 906	1		P48-P P129D-27	169 174D				.22 .12	NO NO		115 113	
B 907	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 907B	1		E326-B SHLD B907	66				.25 .25	NO NO			
B 907L			P48-U P107A-2	169 65				.22 .12	NO NO		115 113	
B 907R			P48-T P107A-1	169 65				.22 .12	NO NO		115 113	
B 908	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 908B	1		E337-B SHLD B908	82				.25 .25	NO NO			
B 908L	-		P48-Y P106A-26	169 83				.22 .12	NO NO		115 113	
B 908R			P48-X P106A-25	169 83				.22 .12	NO NO		115 113	
B 909	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 148 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 909B	1		E337-B SHLD B909	82				.25 .25	NO NO			
B 909L			P48-U* P106A-14	169 83				.22 .12	NO NO		115 113	
B 909R			P48-T* P106A-13	169 83				.22 .12	NO NO		115 113	
B 910	2		P48-CC TB8-6	169 210				.22 .20	NO NO		127 74	
B 911	137										120 120	
B 911L			P48-FF TB2-3	169 157				.22 .20	NO NO		115 74	
B 911R			P48-GG TB1-3	169 163				.22 .20	NO NO		115 73	
B 911Y			P48-EE TB3-3	169 152				.22 .20	NO NO		115 73	
B 912	1		P48-MM P121A-28	169 74				.22 .12	NO NO		115 113	
B 913	1		P48-NN P121A-27	169 74				.22 .12	NO NO		115 113	
B 914	2		P48-B E326-B	169 66				.22 .25	NO NO		127	
B 915	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 149 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 915E			P49-4A P94-E1	168 127				.19 .11	NO NO		132 90	
B 915X			P49-4B P94-E2	168 127								
B 916	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 916E			P49-1A P128C-18A	168 167C				.19 .11	NO NO		132 96	
B 916X			P49-1B P128C-18B	168 167C								
B 917	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 917E			P49-21A P69-D1	168 136				.19 .11	NO NO		132 90	
B 917X			P49-21B P69-D2	168 136								
B 918	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 918E			P49-22A P69-B1	168 136				.19 .11	NO NO		132 90	
B 918X			P49-22B P69-B2	168 136								
B 919	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 150 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 919E			P49-23A P67-A1	168 132				.19 .11	NO NO		132 90	
B 919X			P49-23B P67-A2	168 132								
B 920	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 920E			P49-38A P67-C1	168 132				.19 .11	NO NO		132 90	
B 920X			P49-38B P67-C2	168 132								
B 921	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 921E			P49-39A P69-C1	168 132				.19 .11	NO NO		132 90	
B 921X			P49-39B P69-C2	168 132								
B 922	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 922E			P49-40A P67-B1	168 132				.19 .11	NO NO		132 90	
B 922X			P49-40B P67-B2	168 132								
B 923	118				.38 .52	.19 .23					128,131,120 120, 97, 98	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 151 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 923E			P49-47A P128C-19A	168 167C				.19 .11	NO NO		132 96	
B 923X			P49-47B P128C-19B	168 167C								
B 924	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 924B	1		TB9-9 SHLD B924	96				.20 .25	NO NO		74	
B 924L			P50-E TB9-9	114 96				.22 .20	NO NO		117 74	
B 924R			P50-D TB9-6	114 100				.22 .20	NO NO		117 74	
B 925	2		P50-A P126E-28	114 31				.22 .22	NO NO		117 138	
B 926	118				.50 4.00	.31 3.75				A,7	120 120	
B 926E			P51-1 P65-J	140 131				.11 .22	NO NO		115	
B 926X			P51-2 SHLD B926	140								
B 927	118				.50 4.00	.31 3.75				A,7	120 120	
B 927F			P52-1 P65-J*	139 131				.11 .22	NO NO		115	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 152 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 927X			P52-2 SHLD B927	139								
B 928	118				.50 4.00	.31 3.75				B,68	120 120,119	
B 928B			P65-H* SHLD B928	131				.22 .25	NO NO		115	
B 928E			P53-1 P65-H	141 131				.11 .22	NO NO		115	
B 928X			P53-2 SHLD B928	141								
B 929	118				.50 .38	.31 .19					120 128,131,120	
B 929E			P54-1 P62-12A	142 125				.11 .19	NO NO		132	
B 929X			P54-2 P62-12B	142 125								
B 930	118				.50 .38	.31 .19					120 128,131	
B 930E			P55-1 P60-3A	145 122				.11 .19	NO NO		132	
B 930X			P55-2 P60-3B	145 122								
B 931	118				.50 .52	.31 .23					120 120, 97, 98	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 153 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 931E			P56-1 P128A-6A	147 171				.11 .11	NO NO		96	
B 931X			P56-2 P128A-6B	147 171								
B 932	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 932E			P57-1 J132-1	146 121				.11 .11	NO NO		93	
B 932X			P57-2 J132-2	146 121								
B 933	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 933E			P58-1 J133-1	144 120				.11 .11	NO NO		93	
B 933X			P58-2 J133-2	144 120								
B 934	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 934B	1		TB6-4 SHLD B934	238				.20 .25	NO NO		74	
B 934L			P59-E TB6-4	138 238				.22 .20	NO NO		117 74	
B 934R			P59-D TB6-7	138 241				.22 .20	NO NO		117 74	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 154 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 935	2		P59-A P126E-26	138 31				.22 .22	NO NO		117 138	
B 936	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 936F			P60-18A P128C-10A	122 167C				.19 .11	NO NO		132 96	
B 936X			P60-18B P128C-10B	122 167C								
B 937	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 937E			P60-19A P128C-12A	122 167C				.19 .11	NO NO		132 96	
B 937X			P60-19B P128C-12B	122 167C								
B 938	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 938F			P60-16A P128C-13A	122 167C				.19 .11	NO NO		132 96	
B 938X			P60-16B P128C-13B	122 167C								
B 939	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 939E			P60-17A P128C-11A	122 167C				.19 .11	NO NO		132 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 939X			P60-17B P128C-11B	122 167C								
B 940	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 940E			P60-22A P127C-19A	122 166				.19 .11	NO NO		132 96	
B 940X			P60-22B P127C-19B	122 166								
B 941	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 941E			P60-23A P127C-21A	122 166				.19 .11	NO NO		132 96	
B 941X			P60-23B P127C-21B	122 166								
B 942	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 942E			P60-24A P127C-24A	122 166				.19 .11	NO NO		132 96	
B 942X			P60-24B P127C-24B	122 166								
B 943	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 943E			P60-25A P127C-20A	122 166				.19 .11	NO NO		132 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 943X			P60-25B P127C-20B	122 166								
B 944	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 944E			P50-35A P128C-8A	122 167C				.19 .11	NO NO		132 96	
B 944X			P60-35B P128C-8B	122 167C								
B 945	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 945E			P60-37A P128C-9A	122 167C				.19 .11	NO NO		132 96	
B 945X			P60-37B P128C-9B	122 167C								
B 946	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 946E			P60-11A P127C-14A	122 166				.19 .11	NO NO		132 96	
B 946X			P60-11B P127C-14B	122 166								
B 947	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 947E			P60-12A P127C-12A	122 166				.19 .11	NO NO		132 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 947X			P60-12B P127C-12B	122 166								
B 948	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 948E			P60-20A P127C-17A	122 166				.19 .11	NO NO		132 96	
B 948X			P60-20B P127C-17B	122 166								
B 949	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 949E			P60-21A P127C-18A	122 166				.19 .11	NO NO		132 96	
B 949X			P60-21B P127C-18B	122 166								
B 950	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 950E			P60-7A P127C-9A	122 166				.19 .11	NO NO		132 96	
B 950X			P60-7B P127C-9B	122 166								
B 951	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 951E			P60-8A P127C-10A	122 166				.19 .11	NO NO		132 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 951X			P60-8B P127C-10B	122 166								
B 952	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 952E			P60-9A P127C-11A	122 166				.19 .11	NO NO		132 96	
B 952X			P60-9B P127C-11B	122 166								
B 953	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 953E			P60-10A P127C-13A	122 166				.19 .11	NO NO		132 96	
B 953X			P60-10B P127C-13B	122 166								
B 954	118				.38 4.00	.19 3.75				B,6B	128,131,120 119,120	
B 954B	1		P65-B* SHLD B954	131				.22 .25	NO NO		115	
B 954E			P60-41A P65-B	122 131				.19 .22	NO NO		132 115	
B 954X			P60-41B SHLD B954	122								
B 955	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 955B	1		E323-B SHLD B955	128				.25 .25	NO NO			
B 955L			P60-28 P65-U*	122 131			.32	.22 .22	NO NO		115	
B 955R			P60-2A P65-U	122 131				.19 .22	NO NO		132,100,101 115	
B 956	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 956B	1		E323-B SHLD B956	128				.25 .25	NO NO			
B 956L			P60-14 P65-R*	122 131				.19 .22	NO NO		134 115	
B 956R			P60-13 P65-R	122 131				.19 .22	NO NO		134 115	
B 957	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 957B	1		E323-B SHLD B957	128				.25 .25	NO NO			
B 957L			P60-28 P65-S*	122 131				.19 .22	NO NO		134 115	
B 957R			P60-27 P65-S	122 131				.19 .22	NO NO		134 115	
B 958	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 119,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 958B	1		E323-B SHLD B958	128				.25 .25	NO NO			
B 958L			P60-40B P65-T*	122 131			.32	.22 .22	NO NO		115	
B 958R			P60-40A P65-T	122 131				.19 .22	NO NO		132,100,101 115	
B 959	1		P60-29 P115A-1	122 78				.19 .12	NO NO		134 113	
B 960	1		P60-30 P114A-19	122 42				.19 .12	NO NO		134 113	
B 961	1		P60-31 P121A-10	122 74				.19 .12	NO NO		134 113	
B 962	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 962E			P60-26A P128C-16A	122 167C				.19 .11	NO NO		132 96	
B 962X			P60-26B P128C-16B	122 167C								
B 963	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 963B	1		E332-B SHLD B963	73				.25 .25	NO NO			
B 963L			P60-45 P121A-8	122 74				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 963R			P60-44 P121A-7	122 74				.19 .12	NO NO		134 113	
B 964	1		P60-47 P115A-2	122 78				.19 .12	NO NO		134 113	
B 965	1		P60-48 P114A-20	122 38				.19 .12	NO NO		134 113	
B 966	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 966E			P60-36A P128C-17A	122 167C				.19 .11	NO NO		132 96	
B 966X			P60-36B P128C-17B	122 167C								
B 967	118				.38 .52	.19 .23				A,9	128,131,120 91, 92,120	
B 967E			P60-42A J134-1	122 119				.19 .11	NO NO		132 93	
B 967X			P60-42B J134-2	122 119								
B 968	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 968E			P60-43A P128C-20A	122 167C				.19 .11	NO NO		132 96	
B 968X			P60-43B P128C-20B	122 167C								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 969	1		P60-15 P121A-9	122 74				.19 .12	NO NO		134 113	
B 970	118				.52 .38	.23 .19					120, 97, 98 128,131,120	
B 970E			P128A-7A P60-39A	171 122				.11 .19	NO NO		96 132	
B 970X			P128A-7B P60-39B	171 122								
B 971	2		P61-4 TB8-4	123 212				.19 .20	NO NO		136 74	
B 972	1		P61-12 P122A-22	123 52				.19 .12	NO NO		134 113	
B 973	1		P61-13 P122A-21	123 52				.19 .12	NO NO		134 113	
B 974	3		P61-14 TB7-4	123 222				.19 .20	NO NO		134 74	
B 975	1		P61-25 P122A-16	123 52				.19 .12	NO NO		134 113	
B 976	1		P61-26 P122A-15	123 52				.19 .12	NO NO		134 113	
B 977	1		P61-27 P122A-20	123 52				.19 .12	NO NO		134 113	
B 978	1		P61-28 P122A-19	123 52				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 979	1		P61-29 P122A-11	123 52				.19 .12	NO NO		134 113	
B 980	1		P61-30 P122A-12	123 52				.19 .12	NO NO		134 113	
B 981	1		P61-31 P122A-13	123 52				.19 .12	NO NO		134 113	
B 982	1		P61-32 P122A-14	123 52				.19 .12	NO NO		134 113	
B 983	2		P61-43 P126F-22	123 30				.19 .22	NO NO		136 138	
B 984	1		P61-45 P122A-18	123 52				.19 .12	NO NO		134 113	
B 985	1		P61-46 P122A-17	123 52				.19 .12	NO NO		134 113	
B 986	137				2.00 6.00						120 120	
B 986L			P61-48 TB2-1	123 155				.19 .20	NO NO		134 74	
B 986R			P61-47 TB1-1	123 161				.19 .20	NO NO		134 73	
B 986Y			P61-49 TB3-1	123 150				.19 .20	NO NO		134 73	
B 987	1		P61-50 P121A-29	123 74				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 988	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 988B	1		P115A-31 SHLD B988	78				.12 .25	NO NO		113	
B 988L			P62-18 P115A-10	125 78				.19 .12	NO NO		134 113	
B 988R			P62-19 P115A-9	125 78				.19 .12	NO NO		134 113	
B 989	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 989E			P62-10A P93-H1	125 130				.19 .11	NO NO		132 90	
B 989X			P62-10B P93-H2	125 130								
B 990	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 990E			P62-9A P70-G1	125 133				.19 .11	NO NO		132 90	
B 990X			P62-9B P70-G2	125 133								
B 991	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 991E			P62-8A P68-F1	125 129				.19 .11	NO NO		132 90	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 991X			P62-8B P68-F2	125 129								
B 992	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 992B	1		E328-6 SHLD B992	175				.25 .25	NO NO			
B 992L			P62-50 P129D-20	125 1740				.19 .12	NO NO		134 113	
B 992R			P62-33 P129D-19	125 1740				.19 .12	NO NO		134 113	
B 993	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 993B	1		E328-B SHLD B993	175				.25 .25	NO NO			
B 993L			P62-32 P129D-14	125 1740				.19 .12	NO NO		134 113	
B 993R			P62-16 P129D-13	125 1740				.19 .12	NO NO		134 113	
B 995	7				4.00 4.00	3.75 3.75				B,6A B,6A	120,119 120,119	
B 995A	1		SHLD B995 P62-3	 125				.25 .19	NO NO		 134	
B 995B	1		P119A-31 SHLD B995	54				.12 .25	NO NO		138	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 995L			P62-2 P119A-28	125 54				.19 .12	NO NO		134 113	
B 995R			P62-1 P119A-27	125 54				.19 .12	NO NO		134 113	
B 996	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 996A	1		SHLD B996 P62-6	 125				.25 .19	NO NO		 134	
B 996B	1		P119A-31 SHLD B996	54				.12 .25	NO NO			
B 996L			P62-5 P119A-30	125 54				.19 .12	NO NO		134 113	
B 996R			P62-4 P119A-29	125 54				.19 .12	NO NO		134 113	
B 997			DELETED									
B 997B			DELETED									
B 997L			DELETED									
B 997R			DELETED									
B 998	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 167 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 998B	1		P100A-31 SHLD B998	88				.12 .25	NO NO		113	
B 998L			P62-14 P100A-20	125 88				.19 .12	NO NO		134 113	
B 998R			P62-13 P100A-19	125 88				.19 .12	NO NO		134 113	
B 999	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 999B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 999L			P62-23 P104A-20	125 70				.19 .12	NO NO		134 113	
B 999R			P62-22 P104A-19	125 70				.19 .12	NO NO		134 113	
B 1000	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1000B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 1000L			P62-25 P104A-2	125 70				.19 .12	NO NO		134 113	
B 1000R			P62-24 P104A-1	125 70				.19 .12	NO NO		134 113	
B 1001	1		P62-26 P116D-24	125 55				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 168 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1002	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1002B	1		P101A-31 SHLD B1002	71				.12 .25	NO NO			
B 1002L			P62-28 P101A-2	125 71				.19 .12	NO NO		134 113	
B 1002R			P62-27 P101A-1	125 71				.19 .12	NO NO		134 113	
B 1003	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1003B	1		P122A-32 SHLD B1003	52				.12 .25	NO NO		113	
B 1003L			P62-47 P122A-4	125 52				.19 .12	NO NO		134 113	
B 1003R			P62-29 P122A-3	125 52				.19 .12	NO NO		134 113	
B 1004	1		P62-30 P116D-21	125 55				.19 .12	NO NO		134 113	
B 1005	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120,128,129	
B 1005A	1		SHLD B1005 E333-B	 124				.25 .25	NO NO			
B 1005L			P62-52 J135-2	125 118			 .32	.19 .22	NO NO		134	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 169 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1005R			P62-35 J135-1	125 118				.19 .22	NO NO		134 130,100,101	
B 1006	1		P62-41 P116D-27	125 55				.19 .12	NO NO		134 113	
B 1007	1		P62-42 P116D-28	125 55				.19 .12	NO NO		134 113	
B 1008	1		P62-43 P116D-23	125 55				.19 .12	NO NO		134 113	
B 1009	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1009B	1		E332-B SHLD B1009	73				.25 .25	NO NO			
B 1009L			P62-45 P121A-16	125 74				.19 .12	NO NO		134 113	
B 1009R			P62-44 P121A-15	125 74				.19 .12	NO NO		134 113	
B 1010	1		P62-48 P116D-22	125 55				.19 .12	NO NO		134 113	
B 1011	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1011B	1		E337-B SHLD B1011	82				.25 .25	NO NO			
B 1011L			P92-88 P106D-8	183 80				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 170 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1011R			P92-AA P106D-7	183 80				.22 .12	NO NO		115 113	
B 1012	2		P63-A P126E-24	137 31				.22 .22	NO NO		127 138	
B 1013	1		P63-C P71-B	137 93				.22 .22	NO NO		115 115	
B 1014	1		P63-V* P71-C	137 93				.22 .22	NO NO		115 115	
B 1015	1		P63-U* P71-E	137 93				.22 .22	NO NO		115 115	
B 1016	1		P63-T* P71-F	137 93				.22 .22	NO NO		115 115	
B 1017	1		P63-S* P71-G	137 93				.22 .22	NO NO		115 115	
B 1018	1		P63-R* P71-P	137 93				.22 .22	NO NO		115 115	
B 1019	1		P63-Q* P71-R	137 93				.22 .22	NO NO		115 115	
B 1020	1		P63-P* P71-S	137 93				.22 .22	NO NO		115 115	
B 1021	1		P63-N* P71-T	137 93				.22 .22	NO NO		115 115	
B 1022	1		P63-M* P71-U	137 93				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1023	1		P63-K* P71-V	137 93				.22 .22	NO NO		115 115	
B 1024	1		P63-J* P71-W	137 93				.22 .22	NO NO		115 115	
B 1025	1		P63-D P71-Y	137 93				.22 .22	NO NO		115 115	
B 1026	1		P63-B P71-Z	137 93				.22 .22	NO NO		115 115	
B 1027	1		P63-E P71-A*	137 93				.22 .22	NO NO		115 115	
B 1028	1		P63-F P71-B*	137 93				.22 .22	NO NO		115 115	
B 1029	1		P63-G P71-G*	137 93				.22 .22	NO NO		115 115	
B 1030	1		P63-H P71-H*	137 93				.22 .22	NO NO		115 115	
B 1031	1		P63-J P71-I*	137 93				.22 .22	NO NO		115 115	
B 1032	1		P63-K P71-J*	137 93				.22 .22	NO NO		115 115	
B 1033	1		P63-L P71-K*	137 93				.22 .22	NO NO		115 115	
B 1034	1		P63-M P71-M*	137 93				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1035	1		P63-N P71-N*	137 93				.22 .22	NO NO		115 115	
B 1036	1		P63-P P71-R*	137 93				.22 .22	NO NO		115 115	
B 1037	2		P64-S TB7-3	134 223				.22 .20	NO NO		127 74	
B 1038	2		P64-T TB8-2	134 214				.22 .20	NO NO		127 74	
B 1039	1		P64-FF P115A-22	134 78				.22 .12	NO NO		115 113	
B 1040	1		P64-CC P115A-21	134 78				.22 .12	NO NO		115 113	
B 1041	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1041B	1		E306-B SHLD B1041	57				.25 .25	NO NO			
B 1041L			P65-F* P116A-24	131 58				.22 .12	NO NO		115 113	
B 1041R			P65-F P116A-23	131 58				.22 .12	NO NO		115 113	
B 1042	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1042B	1		E334-B SHLD B1042	56				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 173 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1042L			P65-C* P116A-28	131 58				.22 .12	NO NO		115 113	
B 1042R			P65-C P116A-27	131 58				.22 .12	NO NO		115 113	
B 1043	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1043B	1		E306-B SHLD B1043	57				.25 .25	NO NO			
B 1043L			P65-G* P116A-12	131 58				.22 .12	NO NO		115 113	
B 1043R			P65-G P116A-11	131 58				.22 .12	NO NO		115 113	
B 1044	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1044B	1		E306-B SHLD B1044	57				.25 .25	NO NO			
B 1044L			P65-E* P116A-16	131 58				.22 .12	NO NO		115 113	
B 1044R			P65-E P116A-15	131 58				.22 .12	NO NO		115 113	
B 1045	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1045B	1		E306-B SHLD B1045	57				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 174 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1045L			P65-D* P116A-22	131 58				.22 .12	NO NO		115 113	
B 1045R			P65-D P116A-21	131 58				.22 .12	NO NO		115 113	
B 1046	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1046B	1		E323-B SHLD B1046	128				.25 .25	NO NO			
B 1046L			P65-N* P71-K	131 93				.22 .22	NO NO		115 115	
B 1046R			P65-N P71-J	131 93				.22 .22	NO NO		115 115	
B 1047	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1047A	1		E323-B SHLD B1047	128				.25 .25	NO NO			
B 1047B			DELETED									
B 1047L			P65-P* P71-M	131 93				.22 .22	NO NO		115 115	
B 1047R			P65-P P71-L	131 93				.22 .22	NO NO		115 115	
B 1048	1		P65-DD P71-E*	131 93				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1049	1		P65-EE P71-D*	131 93				.22 .22	NO NO		115 115	
B 1050	3		P65-A E337-B	131 82				.22 .25	NO NO		115	
B 1051	3		P65-X TB1-1	131 161				.22 .20	NO NO		115 73	
B 1052	3		P65-Y TB2-1	131 158				.22 .20	NO NO		115 74	
B 1053	3		P65-Z TB3-1	131 150				.22 .20	NO NO		115 73	
B 1054	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1054B	1		E337-B SHLD B1054	82				.25 .25	NO NO			
B 1054L			P65-W* P106A-24	131 83				.22 .12	NO NO		115 113	
B 1054R			P65-V* P106A-23	131 83				.22 .12	NO NO		115 113	
B 1055	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1055B	1		E326-B SHLD B1055	66				.25 .25	NO NO			
B 1055L			P65-Y* P107A-4	131 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1055R			P65-X* P107A-3	131 65				.22 .12	NO NO		115 113	
B 1056	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1056B	1		E337-B SHLD B1056	82				.25 .25	NO NO			
B 1056L			P65-A* P106A-30	131 83				.22 .12	NO NO		115 113	
B 1056R			P65-Z* P106A-29	131 83				.22 .12	NO NO		115 113	
B 1057	118				4.00 .52	3.75 .23				B,6B	119,124,120 120, 97, 98	
B 1057A			SHLD B1057 P65-NN	 131				.25 .22	NO NO		 115	
B 1057E			P65-MM P128C-1A	131 167C				.22 .11	NO NO		115 96	
B 1057X			SHLD B1057 P128C-1B	 167C								
B 1058	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1058B	1		P100A-10 SHLD B1058	88				.12 .25	NO NO		113	
B 1058E			P66-B1 P100A-9	135 88				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1058X			P66-B2 SHLD B1058	135								
B 1059	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1059B	1		P100A-16 SHLD B1059	88				.12 .25	NO NO			
B 1059E			P66-D1 P100A-15	135 88				.11 .12	NO NO		90 138	
B 1059X			P66-D2 SHLD B1059	135								
B 1060	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1060B	1		P104A-10 SHLD B1060	70				.12 .25	NO NO		113	
B 1060E			P66-A1 P104A-9	135 70				.11 .12	NO NO		90 113	
B 1060X			P66-A2 SHLD B1060	135								
B 1061	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1061B	1		P104A-22 SHLD B1061	70				.12 .25	NO NO		113	
B 1061E			P66-E1 P104A-21	135 70				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1061X			P66-E2 SHLD B1061	135								
B 1062	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1062B	1		P104A-24 SHLD B1062	70				.12 .25			113	
B 1062E			P66-C1 P104A-23	135 70				.11 .12	NO NO		90 113	
B 1062X			P66-C2 SHLD B1062	135								
B 1063	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1063B	1		P110A-6 SHLD B1063	63				.12 .25	NO NO		113	
B 1063E			P66-G1 P110A-5	135 63				.11 .12	NO NO		90 113	
B 1063X			P66-G2 SHLD B1063	135								
B 1064	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1064B	1		P111A-12 SHLD B1064	42				.12 .25	NO NO		113	
B 1064E			P66-F1 P111A-11	135 42				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1064X			P66-F2 SHLD B1064	135								
B 1065	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1065E			P67-G1 P127C-1A	132 166				.11 .11	NO NO		90 96	
B 1065X			P67-G2 P127C-1B	132 166								
B 1066	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1066E			P67-H1 P127C-3A	132 166				.11 .11	NO NO		90 96	
B 1066X			P67-H2 P127C-3B	132 166								
B 1067	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1067E			P67-J1 P127C-5A	132 166				.11 .11	NO NO		90 96	
B 1067X			P67-J2 P127C-5B	132 166								
B 1068	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1068E			P68-D1 P128B-7A	129 167B				.11 .11	NO NO		90 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1068X			P68-D2 P128B-7B	129 167B								
B 1069	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1069E			P69-H1 P127C-2A	136 166				.11 .11	NO NO		90 96	
B 1069X			P69-H2 P127C-2B	136 166								
B 1070	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1070E			P69-J1 P127C-4A	136 166				.11 .11	NO NO		90 96	
B 1070X			P69-J2 P127C-4B	136 166								
B 1071	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1071E			P70-A1 P127C-6A	133 166				.11 .11	NO NO		90 96	
B 1071X			P70-A2 P127C-6B	133 166								
B 1072	3		P90-E P129B-32	21 174B				.20 .12	YES NO		 138	
B 1073	3		P90-I P129B-32	21 174B				.20 .12	YES NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1074	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 1074A	1		SHLD B1074 E335-B	 22				.25 .25	NO NO			
B 1074L			P90-F P99-N*	21 186				.20 .22	YES NO		 127	
B 1074R			P90-G P99-M*	21 186				.20 .22	YES NO		 127	
B 1075	2		P90-H P126F-32	21 30				.20 .22	YES NO		 138	
B 1076	3		P91-Z E336-B	173 59				.22 .25	NO NO		115	
B 1077	2		P91-A P126F-23	173 30				.22 .22	NO NO		127 138	
B 1078	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1078B	1		P106D-32 SHLD B1078	80				.12 .25	NO NO		138	
B 1078L			P91-B* P106D-24	173 80				.22 .12	NO NO		115 113	
B 1078R			P91-B P106D-23	173 80				.22 .12	NO NO		115 113	
B 1079	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1079B	1		P106D-32 SHLD B1079	80				.12 .25	NO NO			
B 1079L			P91-F* P106D-30	173 80				.22 .12	NO NO		115 113	
B 1079R			P91-F P106D-29	173 80				.22 .12	NO NO		115 113	
B 1080	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1080B	1		E304-B SHLD B1080	62				.25 .25	NO NO			
B 1080L			P91-D* P107D-2	173 64				.22 .12	NO NO		115 113	
B 1080R			P91-D P107D-1	173 64				.22 .12	NO NO		115 113	
B 1081	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1081B	1		E336-B SHLD B1081	59				.25 .25	NO NO			
B 1081L			P91-H* P110D-12	173 60				.22 .12	NO NO		115 113	
B 1081R			P91-H P110D-11	173 60				.22 .12	NO NO		115 113	
B 1082	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 183 OF 209	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1082B	1		E336-B SHLD B1082	59				.25 .25	NO NO			
B 1082L			P91-M* P110D-16	173 60				.22 .12	NO NO		115 113	
B 1082R			P91-M P110D-15	173 60				.22 .12	NO NO		115 113	
B 1083	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1083B	1		E336-B SHLD B1083	59				.25 .25	NO NO			
B 1083L			P91-P* P110D-18	173 60				.22 .12	NO NO		115 113	
B 1083R			P91-P P110D-17	173 60				.22 .12	NO NO		115 113	
B 1084	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1084B	1		E316-B SHLD B1084	34				.25 .25	NO NO			
B 1084L			P91-W* P117D-6	173 35				.22 .12	NO NO		115 113	
B 1084R			P91-W P117D-5	173 35				.22 .12	NO NO		115 113	
B 1085	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 184 OF 209	

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1085B	1		E316-B SHLD B1085	34				.25 .25	NO NO			
B 1085L			P91-V* P117D-10	173 35				.22 .12	NO NO		115 113	
B 1085R			P91-V P117D-9	173 35				.22 .12	NO NO		115 113	
B 1086	1		P92-W P99-K*	183 186				.22 .22	NO NO		115 115	
B 1087	3		P92-N* E300-B	183 43				.22 .25	NO NO		115	
B 1088	1		P92-B P106D-21	183 80				.22 .12	NO NO		115 113	
B 1089	2		P92-M* TB8-1	183 215				.22 .20	NO NO		127 74	
B 1090	1		P92-M P99-E	183 186				.22 .22	NO NO		115 115	
B 1091	1		P92-L P129D-12	183 1740				.22 .12	NO NO		115 113	
B 1092	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1092B	1		E300-B SHLD B1092	43				.25 .25	NO NO			
B 1092L			P92-DD P108D-30	183 45				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 185 OF 209	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1092R			P92-CC P108D-29	183 45				.22 .12	NO NO		115 113	
B 1093	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1093B	1		E300-B SHLD B1093	43				.25 .25	NO NO			
B 1093L			P92-FF P108D-26	183 45				.22 .12	NO NO		115 113	
B 1093R			P92-EE P108D-25	183 45				.22 .12	NO NO		115 113	
B 1094	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1094B	1		E300-B SHLD B1094	43				.25 .25	NO NO			
B 1094L			P92-HH P108A-20	183 45				.22 .12	NO NO		115 113	
B 1094R			P92-GG P108A-19	183 45				.22 .12	NO NO		115 113	
B 1095	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1095B	1		E300-B SHLD B1095	43				.25 .25	NO NO			
B 1095L			P92-KK P108A-14	183 45				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET 186 OF 209	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1095R			P92-JJ P108A-13	183 45				.22 .12	NO NO		115 113	
B 1096	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1096B	1		E300-B SHLD B1096	43				.25 .25	NO NO			
B 1096L			P92-MM P108A-8	183 45				.22 .12	NO NO		115 113	
B 1096R			P92-LL P108A-7	183 45				.22 .12	NO NO		115 113	
B 1097	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1097B			P103A-10 SHLD B1097	85				.12 .25	NO NO		113	
B 1097E			P93-C1 P103A-9	130 85				.11 .12	NO NO		90 113	
B 1097X			P93-C2 SHLD B1097	130								
B 1098	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1098B			P103A-12 SHLD B1098	85				.12 .25	NO NO		113	
B 1098E			P93-D1 P103A-11	130 85				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1098X			P93-D2 SHLD B1098	130								
B 1099	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1099B			P103A-6 SHLD B1099	85				.12 .25	NO NO		113	
B 1099E			P93-E1 P103A-5	130 85				.11 .12	NO NO		90 113	
B 1099X			P93-E2 SHLD B1099	130								
B 1100	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1100E			P94-A1 P128C-4A	127 167C				.11 .11	NO NO		90 96	
B 1100X			P94-A2 P128C-4B	127 167C								
B 1101	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1101E			P94-B1 P128C-5A	127 167C				.11 .11	NO NO		90 96	
B 1101X			P94-B2 P128C-5B	127 167C								
B 1102	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1102E			P94-C1 P128C-2A	127 167C				.11 .11	NO NO		90 96	
B 1102X			P94-C2 P128C-2B	127 167C								
B 1103	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1103E			P94-D1 P128C-3A	127 167C				.11 .11	NO NO		90 96	
B 1103X			P94-D2 P128C-3B	127 167C								
B 1106	2		P95-A P126E-22	89 31				.22 .22	NO NO		117 138	
B 1107	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1107B	1		P110A-31 SHLD B1107	63				.12 .25	NO NO		113	
B 1107L			P96-D* P110A-10	182 63				.22 .12	NO NO		115 113	
B 1107R			P96-E* P110A-9	182 63				.22 .12	NO NO		115 113	
B 1108	1		P96-M* P118A-11	182 75				.22 .12	NO NO		115 113	
B 1109	1		P96-N* P118A-12	182 75				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1110	1		P98-F P108A-1	187 46				.22 .12	NO NO		115 113	
B 1111	1		P98-U* P129B-12	187 174B				.22 .12	NO NO		115 113	
B 1112	1		P99-F* TB4-2	186 225				.22 .20	NO NO		115 73	
B 1113	1		P99-S TB4-10	186 227				.22 .20	NO NO		115 73	
B 1114	1		P99-P* P122D-32	186 51				.22 .12	NO NO		115 138	
B 1115	1		P99-K P129B-3	186 174B				.22 .12	NO NO		115 113	
B 1116	1		P99-Z P130A-9	186 179A				.22 .12	NO NO		115 113	
B 1121	1		P25-NN P27-HH	195 185				.22 .22	NO NO		115 115	
B 1122	1		P31-F* P129E-23	191 23E				.22 .12	NO NO		115 113	
B 1129	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 1129E			P60-1A P128C-6A	122 167C				.19 .11	NO NO		132 96	
B 1129X			P60-1B P128C-6B	122 167C								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1130	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,121	
B 1130B	1		E332-B	73				.25	NO			
			SHLD B1130					.25	NO			
B 1130L			P62-31	125				.19	NO		134	
			P121A-20	74				.12	NO		113	
B 1130R			P62-15	125				.19	NO		134	
			P121A-19	74				.12	NO		113	
B 1140	1		P71-T*	93				.22	NO		115	
			P116A-32	75				.12	NO		113	
B 1141	1		P36-R	181				.22	NO		115	
			P99-C	186				.22	NO		115	
B 1142	1		P99-D	186				.22	NO		115	
			P130A-1	179A				.12	NO		113	
B 1143	1		P99-U	186				.22	NO		115	
			P129B-7	174B				.12	NO		113	
B 1144	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1144B	1		P122D-32	51				.12	NO			
			SHLD B1144					.25	NO			
B 1144L			P99-X*	186				.22	NO		115	
			P122D-6	51				.12	NO		113	
B 1144R			P99-Y*	186				.22	NO		115	
			P122D-5	51				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1145	1		J21-T	2				.22	NO		114	
			P99-GG	186				.22	NO		115	
B 1150	1		P92-C	183				.22	NO		115	
			P105D-1	47				.12	NO		113	
B 1156	1		P115D-29	77				.12	NO		113	
			TB5-1	228				.20	NO		73	
B 1157	1		P116D-5	55				.12	NO		113	
			TB5-4	231				.20	NO		73	
B 1165	1		P108D-2	45				.12	NO		113	
			TB8-8	208				.20	NO		74	
B 1166	2		P110D-2	60				.22	NO		138	
			TB8-7	209				.20	NO		74	
B 1167	1		P110D-20	60				.12	NO		113	
			TB8-6	210				.20	NO		74	
B 1170	1		P114D-5	37				.12	NO		113	
			TB3-2	151				.20	NO		73	
B 1171	1		P114D-3	37				.12	NO		113	
			TB1-2	162				.20	NO		73	
B 1173	1		P114D-6	37				.12	NO		113	
			TB2-2	159				.20	NO		74	
B 1174	3		P115D-27	77				.12	NO		113	
			TB7-9	217				.20	NO		74	
B 1176	1		P115D-28	77				.12	NO		113	
			TB8-9	207				.20	NO		74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1177	3		P115D-21	77				.12	NO		113	
			P130E-1	22E				.12	NO		113	
B 1178	1		P115D-30	77				.12	NO		113	
			TB6-5	239				.20	NO		74	
B 1180	5				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1180B	1		P116D-4	55				.12	NO		113	
			SHLD B1180					.25	NO			
B 1180W			TB5-2	229				.20	NO		73	
			P116D-3	55				.12	NO		113	
B 1187	3		E301-BB	39				.25	NO			
			P108D-32	45				.12	NO		138	
B 1188	3		E302-BB	40				.25	NO			
			P108D-32	45				.12	NO			
B 1189	3		E303-BB	16				.25	NO			
			P105D-32	47				.12	NO		138	
B 1190	3		E304-BB	62				.25	NO			
			P107D-32	64				.12	NO		113	
B 1191	3		E305-BB	61				.25	NO			
			P107D-31	64				.12	NO		113	
B 1192	3		E306-BB	57				.25	NO			
			P116A-32	58				.12	NO		113	
B 1193	3		E307-BB	13				.25	NO			
			E302-B	40				.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1194	3		E308-BB	86				.25	NO			
			P100D-32	87				.12	NO		113	
B 1195	3		E309-BB	9				.25	NO			
			E308-B	86				.25	NO			
B 1196	3		E310-BB	19				.25	NO			
			E304-B	62				.25	NO			
B 1197	3		E311-BB	11				.25	NO			
			E312-B	178				.25	NO			
B 1198	3		E312-BB	178				.25	NO			
			P129A-31	174A				.12	NO		113	
B 1199	3		E313-BB	4				.25	NO			
			E328-B	175				.25	NO			
B 1201	3		E315-BB	172				.25	NO			
			E316-B	34				.25	NO			
B 1202	3		E316-BB	34				.25	NO			
			P117D-31	35				.12	NO		113	
B 1204	3		E321-BB	204				.25	NO			
			P117A-32	36				.12	NO			
B 1205	3		E322-BB	177				.25	NO			
			P129B-31	174B				.12	NO		113	
B 1206	3		E323-BB	128				.25	NO			
			E327-B	81				.25	NO			
B 1207	3		E324-BB	180				.25	NO			
			E328-B	175				.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1208	3		E325-BB	67				.25	NO			
			P107A-31	65				.12	NO		113	
B 1209	3		E326-BB	66				.25	NO			
			P107A-32	65				.12	NO		113	
B 1210	3		E327-BB	81				.25	NO			
			P106A-31	83				.12	NO		113	
B 1211	3		E328-BB	175				.25	NO			
			P129D-31	174D				.12	NO		113	
B 1212	3		E329-BB	44				.25	NO			
			P108A-32	46				.12	NO		113	
B 1213	3		E330-BB	76				.25	NO			
			P118A-31	75				.12	NO		113	
B 1214	3		E331-BB	69				.25	NO			
			P104A-31	70				.12	NO		113	
B 1215	3		E332-BB	73				.25	NO			
			P121A-31	74				.12	NO		113	
B 1216	3		E333-BB	124				.25	NO			
			P101A-31	71				.12	NO		138	
B 1217	3		E334-BB	56				.25	NO			
			P116A-31	58				.12	NO		113	
B 1218	3		E335-BB	22				.25	NO			
			E322-B	177				.25	NO			
B 1219	3		E336-BB	59				.25	NO			
			P110D-32	60				.12	NO		113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 195 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1220	3		E337-BB	82				.25	NO			
			P106A-32	83				.12	NO		113	
B 1221	118				.52	.23					120, 97, 98	
					.52	.23					120, 97, 98	
B 1221E			P128B-6A	167B				.11	NO		96	
			P128B-20A	167B				.11	NO		96	
B 1221X			P128B-6B	167B								
			P128B-20B	167B								
B 1225	2		P71-A	93				.22	NO		127	
			P126E-25	31				.22	NO		138	
B 1226	2		E338-BB	8				.25	NO			
			J19-V	7				.22	NO		116	
B 1229	9				4.00	3.75				B,6A	120,121	
					2.25	2.00				A,7	120	
B 1229A	3		SHLD B1229					.25	NO			
			E338-B	8				.25	NO			
B 1229L			J19-N	7				.22	NO		126	
			P11-LL	250				.22	NO		126	
B 1229R			J19-L	7				.22	NO		126	
			P11-P*	250				.22	NO		126	
B 1230	1		J16-AA	20				.22	NO		114	
			P113A-29	59A				.12	NO		113	
B 1231	3		E300-BB	43				.25	NO			
			P108A-32	46				.12	NO		113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 196 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1232	2		P71-S*	93				.22	NO		127	
			TB8-3	213				.25	NO		74	
B 1233	118				.38	.19					120,128,131	
					.52	.23					120, 97, 98	
B 1233E			J136-1	29A				.19	NO		132	
			P128C-7A	167C				.11	NO		96	
B 1233X			J136-2	29A								
			P128C-7B	167C								
B 1234			DELETED									
B 1235	3		J21-W*	2				.22	NO		114	
			P27-KK	185				.22	NO		115	
B 1236	1		J25-A*	6				.22	NO		115	
			P27-FF	185				.22	NO		115	
B 1237			J25-B*	6				.22	NO		115	
			P36-B	181				.22	NO		115	
B 1238	1		J25-C*	6				.22	NO		115	
			P36-C	181				.22	NO		115	
B 1239	1		P118A-22	75				.12	NO		113	
			P36-A	181				.22	NO		115	
B 1240	2		J30-10	90				.19	NO		135	
			TB1-1	164				.25	NO		144	
B 1241	2		J30-12	90				.19	NO		135	
			TB2-1	158				.25	NO		74	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 197 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1242	2		J30-11	90				.19	NO		135	
			TB3-1	153				.25	NO		144	
B 1243	3		J19-C	7				.22	NO		114	
			P130A-3	179				.12	NO		113	
B 1244	3		J27-F	1				.22	NO		114	
			P26-J	194				.22	NO		115	
B 1245	118				.38	.19					128,131,120	
					.52	.31					128,129,120	
B 1245E			J29-7A	92				.19	NO		130	
			P60-46A	122				.19	NO		132	
B 1245X			J29-7B	92				.19	NO		130	
			P60-46B	122				.19	NO		132	
B 1246	3		P35-NN	184				.22	NO		115	
			P130A-11	179				.12	NO		113	
B 1247	3		J21-Y	2				.22	NO		115	
			P130E-11	22				.12	NO		113	
B 1248	3		P35-MM	184				.22	NO		115	
			J21-I*	2				.22	NO		115	
B 1249	3		P35-LL	184				.22	NO		115	
			J21-Z	2				.22	NO		115	
B 1250	3		P25-M*	195				.22	NO		115	
			J17-E*	15				.22	NO		114	
B 1251	3		P25-J*	195				.22	NO		115	
			J17-F*	15				.22	NO		114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 198 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1252	3		P25-H* J17-G*	195 15				.22 .22	NO NO		115 114	
B 1253			DELETED									
B 1254	3		P25-K* J17-P*	195 15				.22 .22	NO NO		115 114	
B 1255	3		P25-P* J17-Q*	195 15				.22 .22	NO NO		115 114	
B 1256	3		P25-R* J17-R*	195 15				.22 .22	NO NO		115 114	
B 1257	3		P25-Q* J17-S*	6 15				.22 .22	NO NO		115 114	
B 1258	3		P25-S* J17-X*	6 15				.22 .22	NO NO		115 114	
B 1259	3		P25-N* J17-Y*	6 15				.22 .22	NO NO		115 114	
B 1260	3		P25-F* J17-AA	6 15				.22 .22	NO NO		115 114	
B 1261	3		P25-G* J17-BB	6 15				.22 .22	NO NO		115 114	
B 1262	3		P11-W* P130B-11	250 179				.22 .12	NO NO		114 113	
B 1263	1		P99-C P31-K	186 191				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 199 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1264	1		P27-Y P26-T*	185 194				.22 .22	NO NO		115 115	
B 1265	3		P46-E P100A-32	117 88				.22 .12	NO NO		115 113	
B 1266	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1266B	1		P119A-24 SHLD B1266	54				.12 .25	NO NO		113	
B 1266E			P60-54A P119A-23	122 54				.11 .12	NO NO		90 113	
B 1266X			P60-54B SHLD B1266	122								
B 1267	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1267B	1		P119A-22 SHLD B1266	54				.12 .25	NO NO		113	
B 1267F			P60-55A P119A-21	122 54				.11 .12	NO NO		90 113	
B 1267X			P60-55B SHLD B1266	122								
B 1268	1		J25-M* P110-A1	6 63				.22 .12	NO NO		115 113	
B 1269	1		J21-S* P96-V	2 182				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 200 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1270	1		J18-AA P115D-13	12 16				.22 .12	NO NO		 113	
B 1271	1		P24-B* P115D-7	196 16				.22 .12	NO NO		115 113	
B 1272	1		P130E-7 P115D-8	179B 16				.12 .12	NO NO		113 113	
B 1273	1		P61-52 P122A-7	123 23				.19 .12	NO NO		134 113	
B 1274	1		E3398B P105D-6	8A 45				.25 .12	NO NO		 113	
B 1275	2		E3398 J19-F*	8A 7				.25 .22	NO NO		 116	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 201 OF 209

TABLE I

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P1	A2J3	P46	A18J1	P100D	J100D
P2	A2J3	P47	A18J2	P101A	J101A
P3	A3J1	P48	A32J1	P102A	J102A
P4	A3J3	P49	A32J2	P102D	J102D
P5	A4J2	P50	A18J5	P103A	J103A
P7	A4J3	P51	A19J1	P103D	J103D
P8	A4J4	P52	A19J2	P104A	J104A
P11	A14J2	P53	A19J3	P104D	J104D
P12	A21J19	P54	A19J4	P105A	J105A
P13	A19J9	P55	A19J5	P105D	J105D
P14	A5J1	P56	A19J6	P106A	J106A
P15	A5J2	P57	A19J7	P106D	J106D
P16	A5J3	P58	A19J8	P107A	J107A
P17	A5J4	P59	A19J10	P107D	J107D
P19	A6J2	P60	A20J49	P108A	J108A
P20	A7J1	P61	A20J50	P108D	J108D
P21	A7J2	P62	A20J51	P109D	J109D
P22	A7J3	P63	A21J1	P110A	J110A
P23	A8J1	P64	A21J2	P110D	J110D
P24	A9J1	P65	A21J3	P111A	J111A
P25	A9J2	P66	A21J4	P111D	J111D
P26	A9J3	P67	A21J5	P113A	J113A
P27	A12J4	P68	A21J6	P114A	J114A
P28	A10J1	P69	A21J7	P114D	J114D
P29	A10J2	P70	A21J8	P115A	J115A
P30	A10J3	P71	A22J1	P115D	J115D
P31	A11J1	P90	A30J4	P116A	J116A
P32	A11J2	P91	A31J1	P116D	J116D
P33	A11J3	P92	A13J3	P117A	J117A
P34	A12J1	P93	A21J9	P117D	J117D
P35	A13J1	P94	A21J10	P118A	J118A
P36	A13J2	P95	A23J1	P119A	J119A
P37	A14J1	P96	A13J4	P119D	J119D
P38	A15J1	P97	A18J6	P120D	J120D
P39	A15J2	P98	A12J1	P121A	J121A
P40	A15J3	P99	A12J3	P121D	J121D
P41	A15J4	P100A	J100A	P122A	J122A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	G	2900542 SHEET 202 OF 209

TABLE I (CONTINUED)

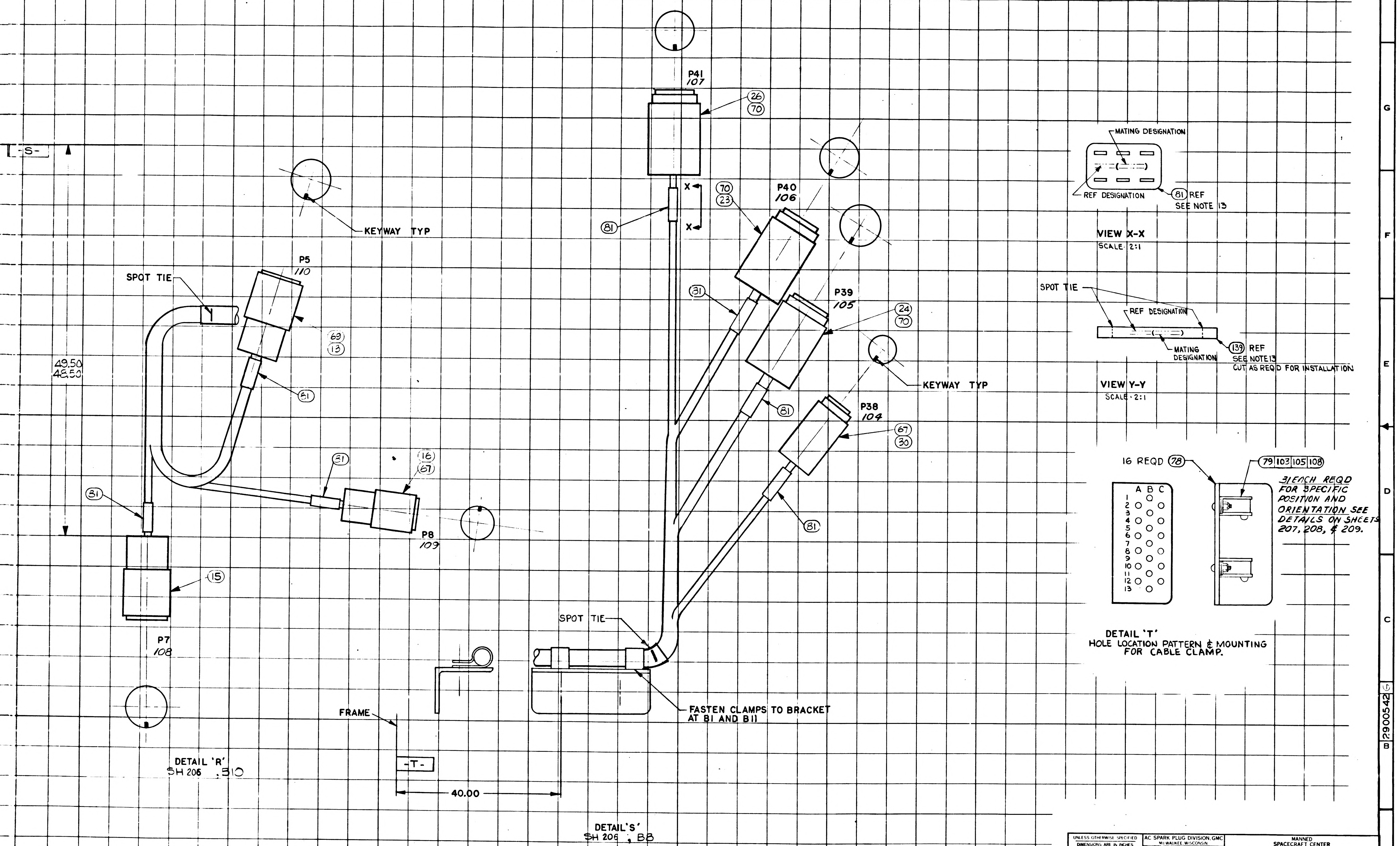
PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P122D	J122D				
P123A	J123A				
P127A	J127A				
P127B	J127B				
P127C	J127C				
P128A	J128A				
P128B	J128B				
P128C	J128C				
P129A	J129A				
P129B	J129B				
P129D	J129D				
P129E	J129E				
P129F	J129F				
P130A	J130A				
P130B	J130B				
P130C	J130C				
P130D	J130D				
P130E	J130E				
P130F	J130F				
P131	J131				
P132	J132				
P133	J133				
P134	J134				
P135	J135				
P136	J136				

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION
6

NASA DRAWING NO.
2900542
SHEET 209 OF 209

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		



-S-
49.50
48.50
SPOT TIE
P5
110
69
13
81
KEYWAY TYP
31
16
67
P8
109
31
15
P7
108
DETAIL 'R'
SH 206 , B10
P41
107
26
70
X
X
81
P40
106
70
23
31
P39
105
24
70
81
KEYWAY TYP
P38
104
67
30
81
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B1 AND B11
FRAME
-T-
40.00
DETAIL 'S'
SH 206 , B8
MATING DESIGNATION
REF DESIGNATION
81 REF
SEE NOTE 13
VIEW X-X
SCALE 2:1
SPOT TIE
REF DESIGNATION
MATING
DESIGNATION
139 REF
SEE NOTE 13
CUT AS REQ'D FOR INSTALLATION
VIEW Y-Y
SCALE 2:1
16 REQD 78
79 103 105 108
A B C
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31 EACH REQD
FOR SPECIFIC
POSITION AND
ORIENTATION SEE
DETAILS ON SHEETS
207, 208, & 209.
DETAIL 'T'
HOLE LOCATION PATTERN & MOUNTING
FOR CABLE CLAMP.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9 49,

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN MAHAS DATE 17 AUG 65
CHECKED 17 AUG 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

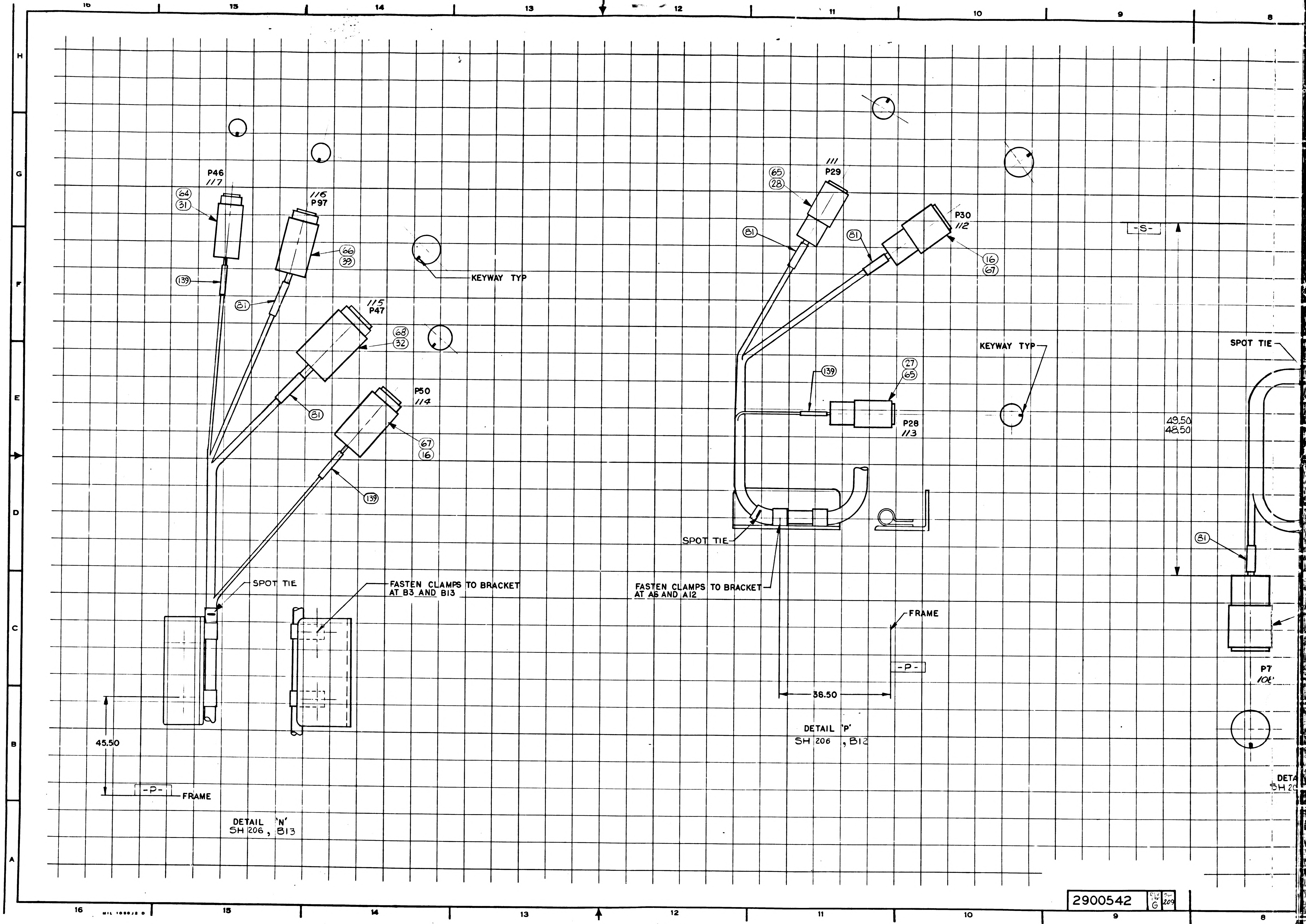
WIPING HARNESS 'B'

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 20 OF 20

2900542 G

900542 G 209

27 2900542



P46
117
64
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P97
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115
P47
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32
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KEYWAY TYP
SPOT TIE
FASTEN CLAMPS TO BRACKET AT B3 AND B13
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-P-
FRAME
DETAIL 'N'
SH 206, B13
111
P29
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P30
112
16
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139
27
65
P28
113
KEYWAY TYP
SPOT TIE
FASTEN CLAMPS TO BRACKET AT A6 AND A12
FRAME
-P-
38.50
DETAIL 'P'
SH 206, B12
-S-
49.50
48.50
SPOT TIE
81
P7
108
DETA
SH 20
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2900542 G 209

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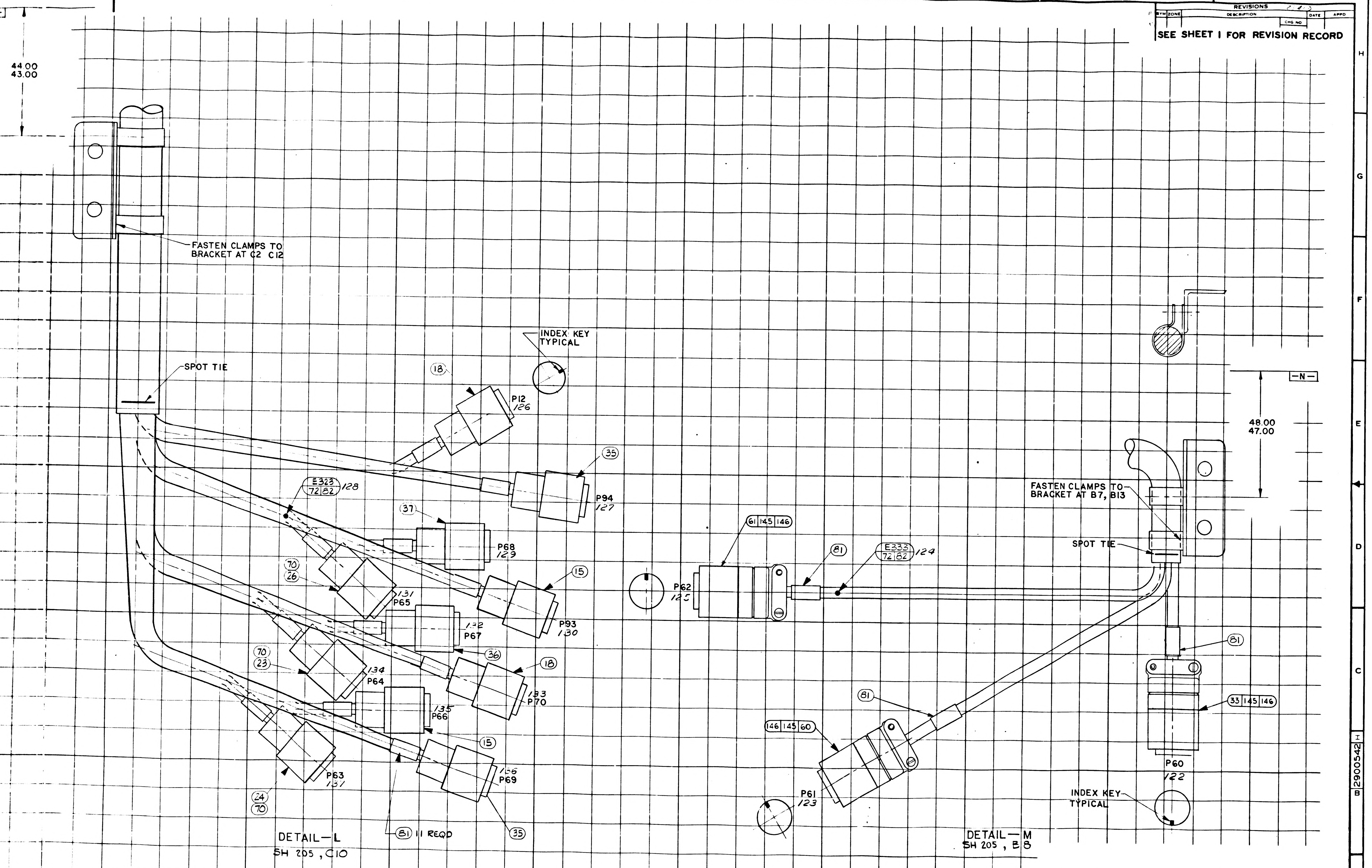
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET I FOR REVISION RECORD



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44.00
43.00
FASTEN CLAMPS TO BRACKET AT C2 C12
SPOT TIE
INDEX KEY TYPICAL
18
P12
126
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P94
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E323
72 82
128
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P68
129
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P65
15
P93
130
132
P67
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P70
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P66
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P63
131
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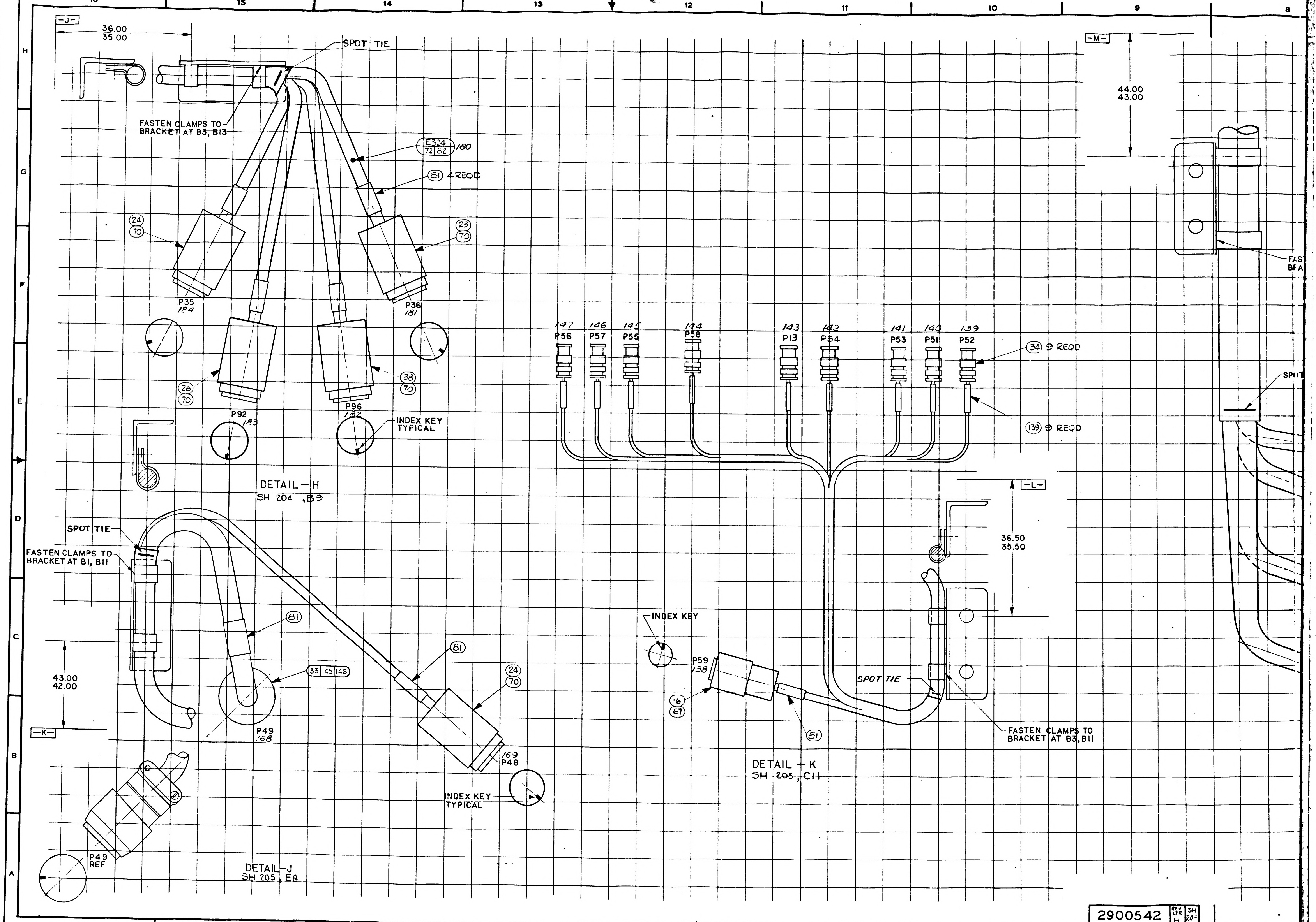
81 11 REQD
DETAIL—L
SH 205, C10
61 145 146
P62
125
81
E333
72 82
124
FASTEN CLAMPS TO BRACKET AT B7, B13
SPOT TIE
N
48.00
47.00
81
33 145 146
P60
122
INDEX KEY TYPICAL
81
146 145 60
P61
123
DETAIL—M
SH 205, B8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
FRACTIONS ± DECIMALS ± ANGLES ±	ACSP PN	
	DRAWN MAHOE DATE 17 AUG 65 CHECKED 19 AUG 65 APPROVAL APPROVAL	WIRING HARNESS B
DO NOT SCALE THIS DRAWING		
MATERIAL —	NASA APPROVAL MIT APPROVAL	CODE IDENT NO 99974 · SIZE J2 · 2900542
CONTRACT NAS 9-497		SCALE FULL · SHEET 20[illegible] OF 20[illegible]

2900542 REV LTR H SH 20-

2/2900542


16
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36.00
35.00
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B13
E324
72 82
180
81 4 REQD
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P35
184
P36
181
26
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33
70
P92
183
P96
182
INDEX KEY
TYPICAL
DETAIL - H
SH 204 , B9
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B1, B11
81
81
33 145 146
24
70
43.00
42.00
-K-
P49
168
169
P48
INDEX KEY
TYPICAL
P49
REF
DETAIL - J
SH 205 , E8
147
P56
146
P57
145
P55
144
P58
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P13
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P54
141
P53
140
P51
139
P52
34 9 REQD
139 9 REQD
-L-
36.50
35.50
INDEX KEY
P59
138
16
67
81
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B11
DETAIL - K
SH 205 , C11
-M-
44.00
43.00
FAS
BRA
SPOT

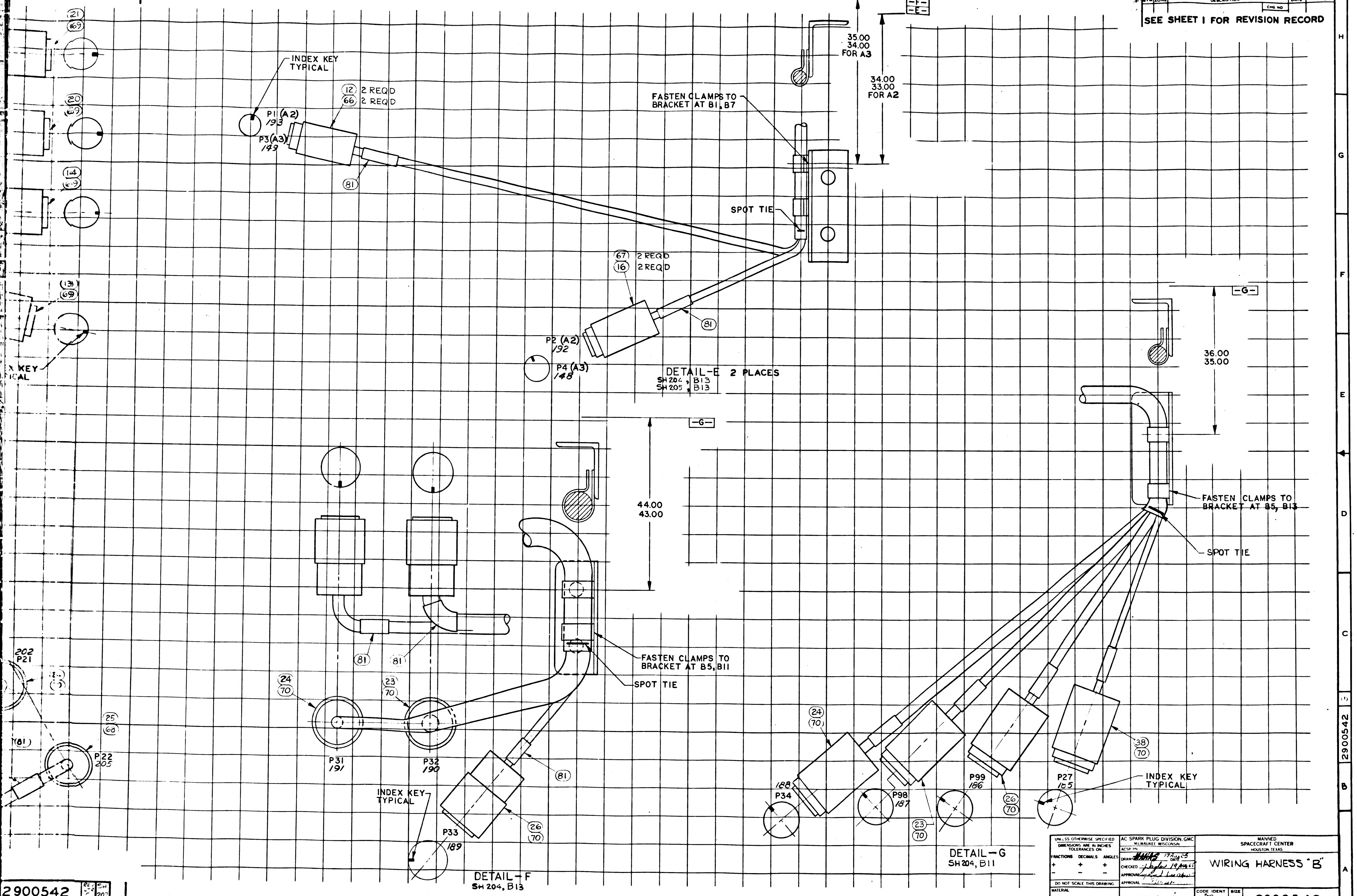
2900542 REV LTR H SH 20

MIL 1090/2 D

1/2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD



INDEX KEY TYPICAL
(121) (69)
(20) (69)
(14) (69)
(13) (69)
P1 (A2) 193
P3 (A3) 149
(12) 2 REQ'D
(66) 2 REQ'D
(81)
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
35.00
34.00
FOR A3
34.00
33.00
FOR A2
-F-
-E-
(67) 2 REQ'D
(16) 2 REQ'D
P2 (A2) 192
P4 (A3) 148
DETAIL-E 2 PLACES
SH 204, B13
SH 205, B13
-G-
44.00
43.00
36.00
35.00
FASTEN CLAMPS TO BRACKET AT B5, B11
FASTEN CLAMPS TO BRACKET AT B5, B13
SPOT TIE
202
P21
(25) (68)
(81)
P22 205
(24) (70)
(23) (70)
P31 191
P32 190
P33 189
(26) (70)
INDEX KEY TYPICAL
DETAIL-F
SH 204, B13
(24) (70)
188
P34
P98 187
P99 186
P27 165
(23) (70)
(26) (70)
(38) (70)
INDEX KEY TYPICAL
DETAIL-G
SH 204, B11

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-4[illegible]

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN [illegible] DATE 17 Aug 65
CHECKED [illegible] 19 Aug 65
APPROVAL [illegible]
APPROVAL [illegible]
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

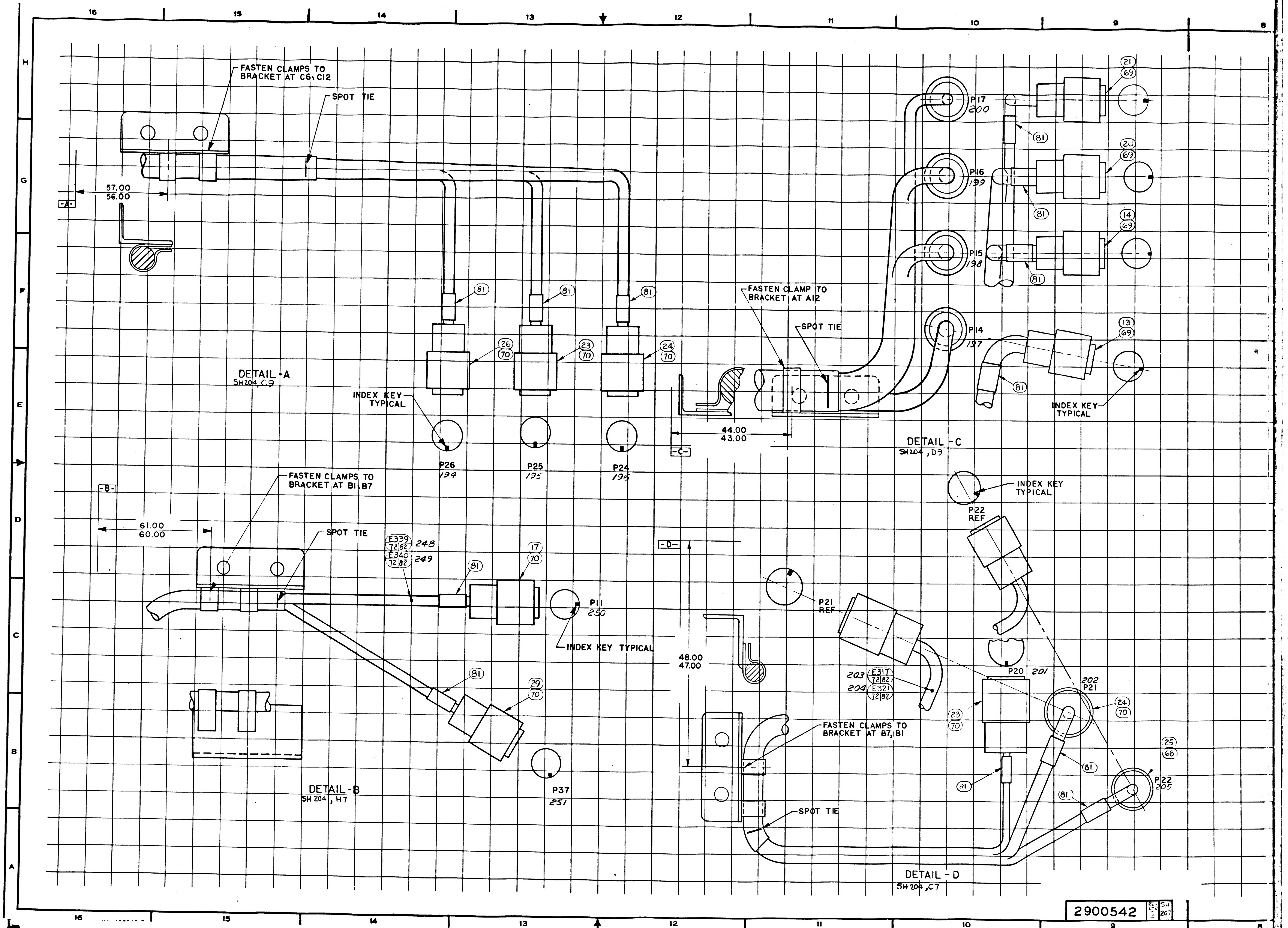
WIRING HARNESS "B"

CODE IDENT NO	SIZE	
99974	J2	2900542

SCALE FULL
SHEET 20 OF 20

2900542 | REV | SH 20

27/2900542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A
FASTEN CLAMPS TO BRACKET AT C6, C12
SPOT TIE
57.00
56.00
-A-
81
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24
70
DETAIL -A
SH 204, C9
INDEX KEY TYPICAL
P26
194
P25
195
P24
196
P17
200
P16
199
P15
198
P14
197
21
69
20
69
14
69
13
69
81
FASTEN CLAMP TO BRACKET AT A12
SPOT TIE
44.00
43.00
-C-
INDEX KEY TYPICAL
DETAIL -C
SH 204, D9
INDEX KEY TYPICAL
P22
REF
-B-
61.00
60.00
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
E339
72 82
248
E340
72 82
249
17
70
P11
250
INDEX KEY TYPICAL
29
70
P37
251
DETAIL -B
SH 204, H7
-D-
48.00
47.00
P21
REF
203
E317
72 82
204
E321
72 82
P20
201
202
P21
24
70
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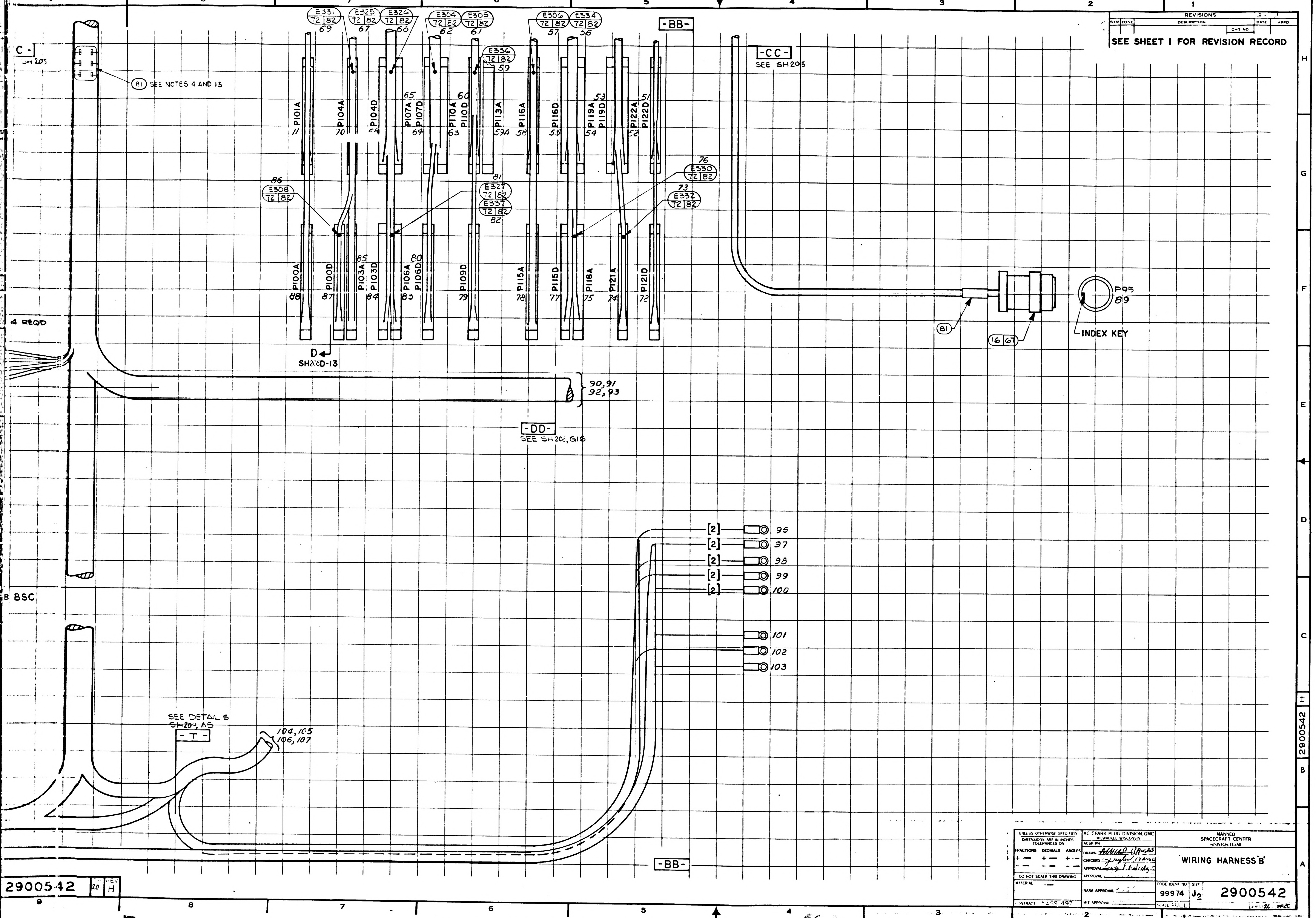
70
25
68
P22
205
FASTEN CLAMPS TO BRACKET AT B7, B1
SPOT TIE
DETAIL - D
SH 204, C7
2900542
REV
SH
207

1/2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



9
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SH 205
81 SEE NOTES 4 AND 13
E331 72 82
69
E325 72 82
67
E326 72 82
66
E304 72 82
62
E305 72 82
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E336 72 82
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E306 72 82
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E334 72 82
56
-BB-
-CC-
SEE SH205
P101A
11
P104A
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P104D
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P107A
P107D
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P110A
P110D
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P113A
59A
P116A
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P116D
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P119A
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P122A
P122D
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E327 72 82
E337 72 82
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86
E308 72 82
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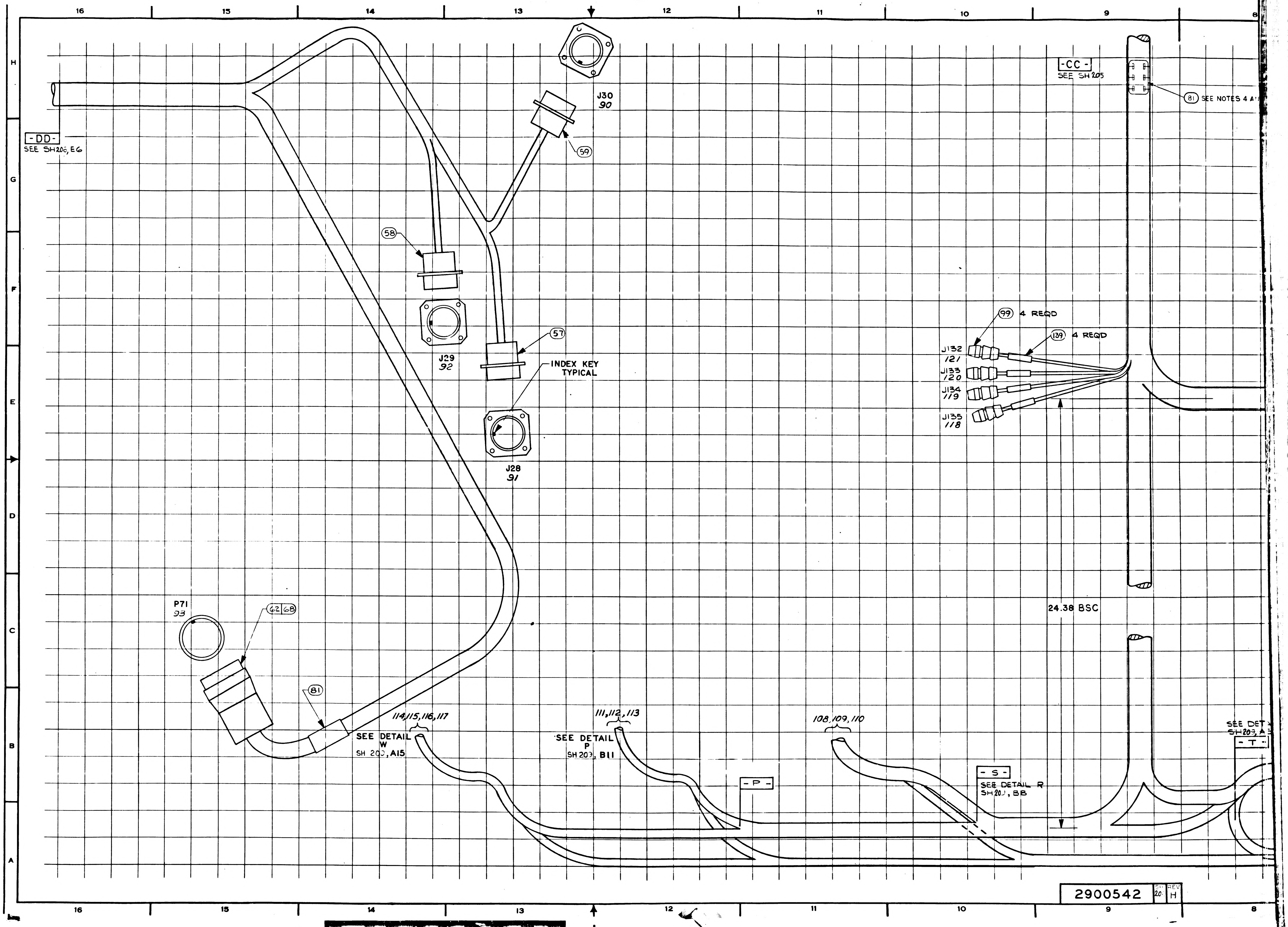
E330 72 82
73
E332 72 82
P100A
88
P100D
87
85
P103A
P103D
84
80
P106A
P106D
83
P109D
79
P115A
78
P115D
77
P118A
75
P121A
74
P121D
72
D
SH205D-13
4 REQD
SH 205
P95
89
INDEX KEY
81
16 67
90,91
92,93
-DD-
SEE SH 206, G16
[2] 96
[2] 97
[2] 98
[2] 99
[2] 100
101
102
103
B BSC
SEE DETAIL S
SH 203, A5
-T-
104,105
106,107
-BB-
2900542

2900542 20 REV H

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC SPARK PLUG DIVISION, GMC MILWAUKEE WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	ACSP PN	
	DRAWN AAAHAS DATE 17AUG65 CHECKED Snyder 17AUG64 APPROVAL APPROVAL	WIRING HARNESS "B"
MATERIAL —	NASA APPROVAL	CODE IDENT NO 99974 · SIZE J_2 · 2900542
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL · SHEET 20 OF 20

27/2900542

SH 207 OF 503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-DD-
SEE SH206, E6
J30
90
59
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J29
92
57
INDEX KEY
TYPICAL
J28
91
-CC-
SEE SH 205
81 SEE NOTES 4 A
99 4 REQD
139 4 REQD
J132
121
J133
120
J134
119
J135
118
24.38 BSC
P71
93
62 68
81
114,115,116,117
SEE DETAIL
W
SH 209, A15
111,112,113
SEE DETAIL
P
SH 209, B11
-P-
108,109,110
-S-
SEE DETAIL R
SH 209, B8
SEE DET
SH 209, A
-T-
2900542
SH
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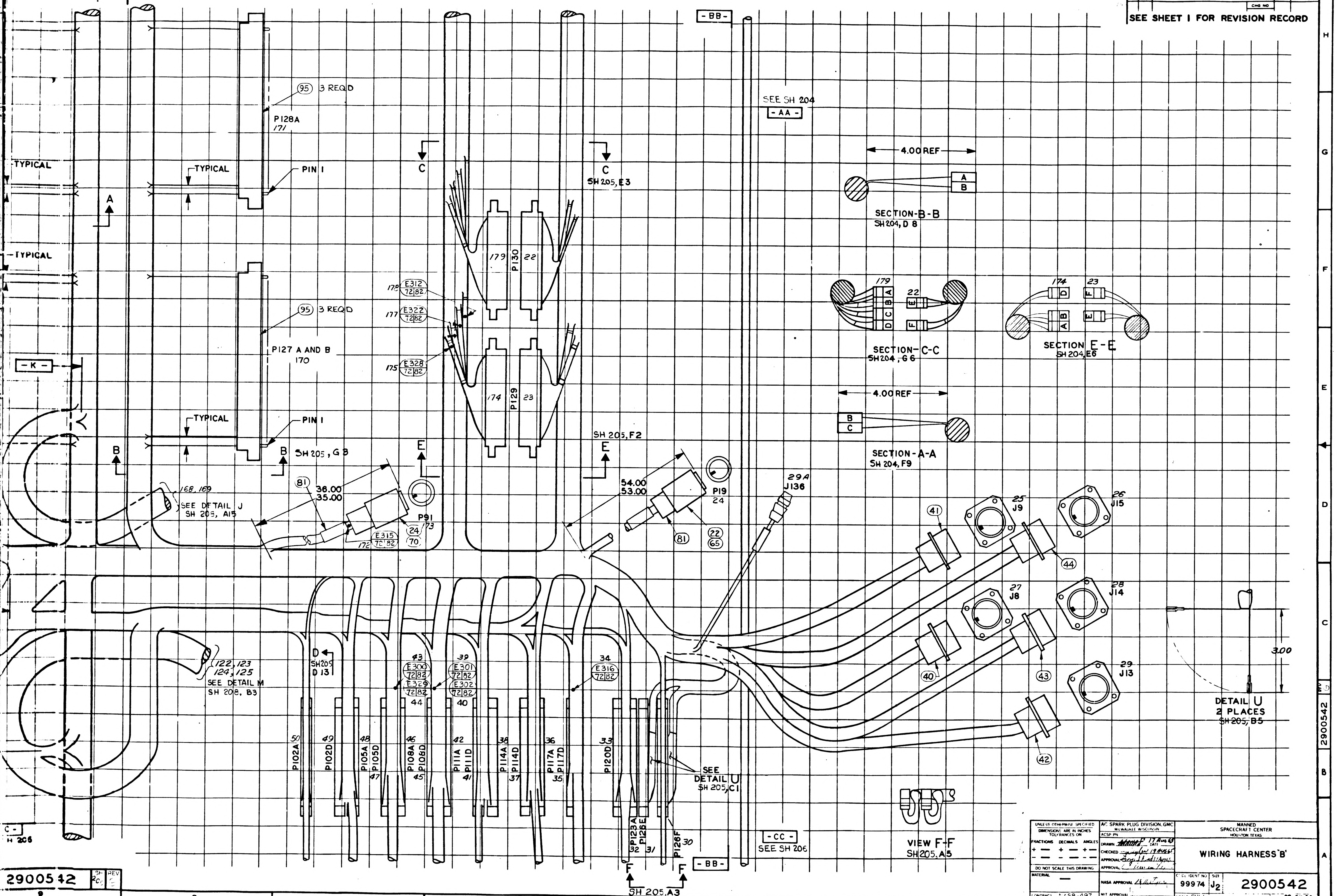
H

1/2900542

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



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- BB -
SEE SH 204
- AA -
95 3 REQ'D
P128A
171
TYPICAL
PIN 1
P127 A AND B
170
- K -
A
B
C
C
SH 205, E3
E
SH 205, F2
SH 205, G 8
168, 169
SEE DETAIL J
SH 205, A15
81
36.00
35.00
E315
72 82
172
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70
P91
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P130
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E312 72 82
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E322 72 82
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E328 72 82
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P129
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29A
J136
4.00 REF
SECTION-B-B
SH 204, D 8
SECTION-C-C
SH 204, G 6
SECTION E-E
SH 204, E6
SECTION-A-A
SH 204, F9
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J9
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J15
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J8
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J14
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J13
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DETAIL U
2 PLACES
SH 205, B5
122, 123
124, 125
SEE DETAIL M
SH 206, B3
D
SH 205
D 13
43
E300 72 82
E329 72 82
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E301 72 82
E302 72 82
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E316 72 82
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P102A
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P102D
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P105A
P105D
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P108A
P108D
45
42
P111A
P111D
41
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P114A
P114D
37
36
P117A
P117D
35
33
P120D
P123A
32
P126E
31
P126F
30
SEE DETAIL U
SH 205, C1
- CC -
SEE SH 206
VIEW F-F
SH 205, A5
F
F
SH 205, A3
- BB -
C -
H 206

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + — + — + — - — - — - — DO NOT SCALE THIS DRAWING	AC SPARK PLUG DIVISION, GMC MILWAUKEE WISCONSIN ACSP PN DRAWN 17 Aug 65 DATE CHECKED 19 AUG 65 APPROVAL APPROVAL	MANNED SPACECRAFT CENTER HOUSTON, TEXAS WIRING HARNESS 'B'
MATERIAL — CONTRACT NAS9-497	NASA APPROVAL MIT APPROVAL	CODE IDENT NO 99974 SIZE J_2 2900542 SCALE FULL SHEET 20 OF 20

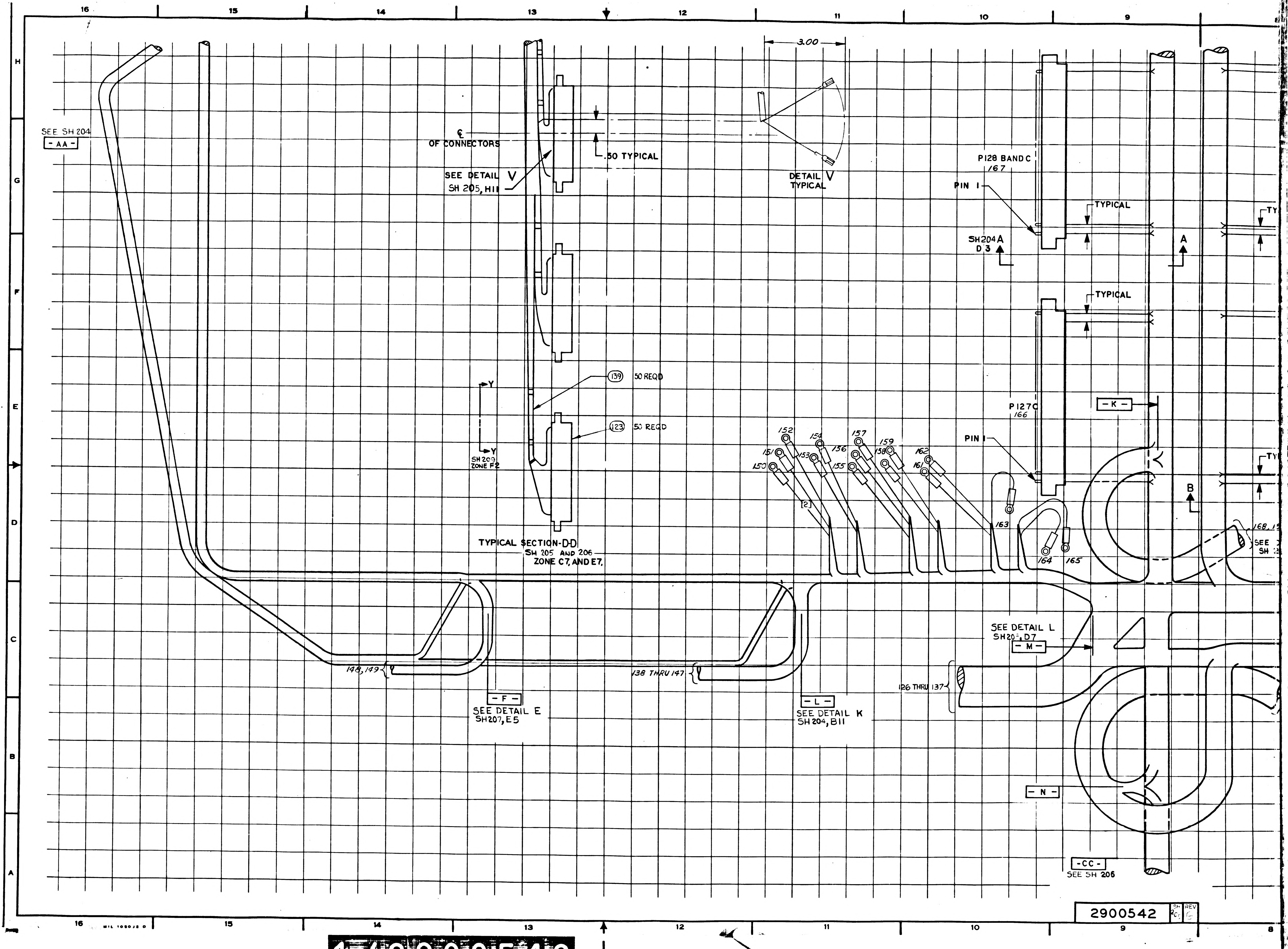
2900542

2900542	SH 20	REV

SH 502 of 503

27 2900542

SH 205 of 502



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SEE SH 204
- AA -
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OF CONNECTORS
.50 TYPICAL
SEE DETAIL V
SH 205, H11
3.00
DETAIL V
TYPICAL
P128 BAND C
167
PIN 1
TYPICAL
SH204 A
D 3
A
TYPICAL
139 50 REQD
123 50 REQD
Y
Y
SH 209
ZONE F2
P127C
166
PIN 1
- K -
TY
TY
B
150
151
152
153
154
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156
157
158
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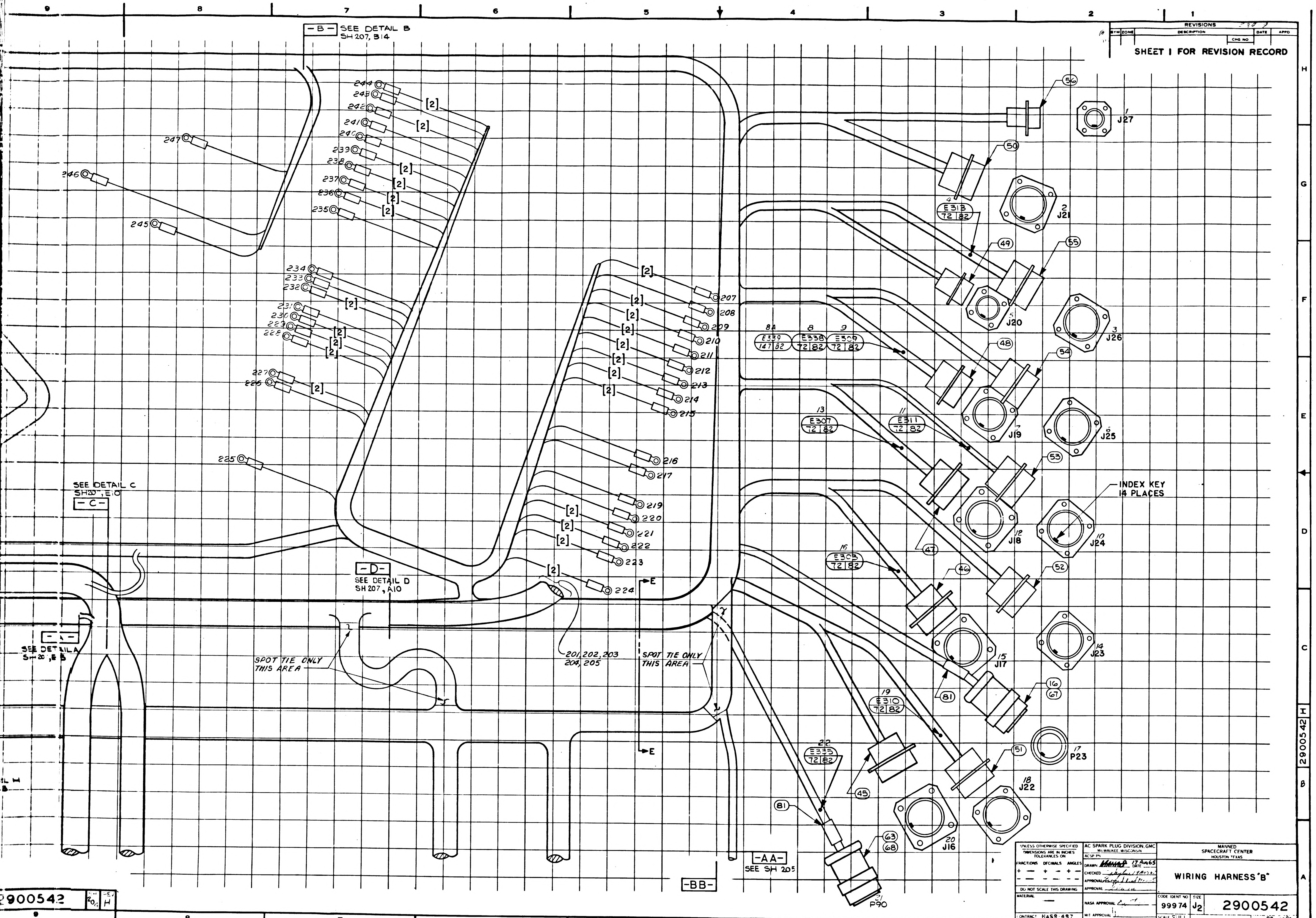
161
162
163
164
165
2
168, 15
SEE
SH
TYPICAL SECTION-DD
SH 205 AND 206
ZONE C7, AND E7.
SEE DETAIL L
SH205, D7
- M -
148, 149
138 THRU 147
126 THRU 137
- F -
SEE DETAIL E
SH207, E5
- L -
SEE DETAIL K
SH 204, B11
- N -
- CC -
SEE SH 206
MIL 1000J2 D

2900542	SH 205	REV G

1/2900542



-B- SEE DETAIL B
SH 207, B14
SHEET 1 FOR REVISION RECORD
REVISIONS
SYM
ZONE
DESCRIPTION
DATE
APPD
CHG NO
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J27
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E313
72 82
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J20
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J26
8A
E339
147 82
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E338
72 82
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E309
72 82
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J19
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J25
13
E307
72 82
11
E311
72 82
53
INDEX KEY
14 PLACES
47
12
J18
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J24
16
E308
72 82
46
52
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J17
14
J23
81
16
67
19
E310
72 82
17
P23
22
E335
72 82
45
51
18
J22
20
J16
63
68
21
P90
SEE DETAIL C
SH207, E10
-C-
-A-
SEE DETAIL A
SH 20, E B
-D-
SEE DETAIL D
SH 207, A10
SPOT TIE ONLY
THIS AREA
201, 202, 203
204, 205
E
-AA-
SEE SH 205
-BB-
2900542
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 17 Aug 65 DATE
CHECKED 19 Aug 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

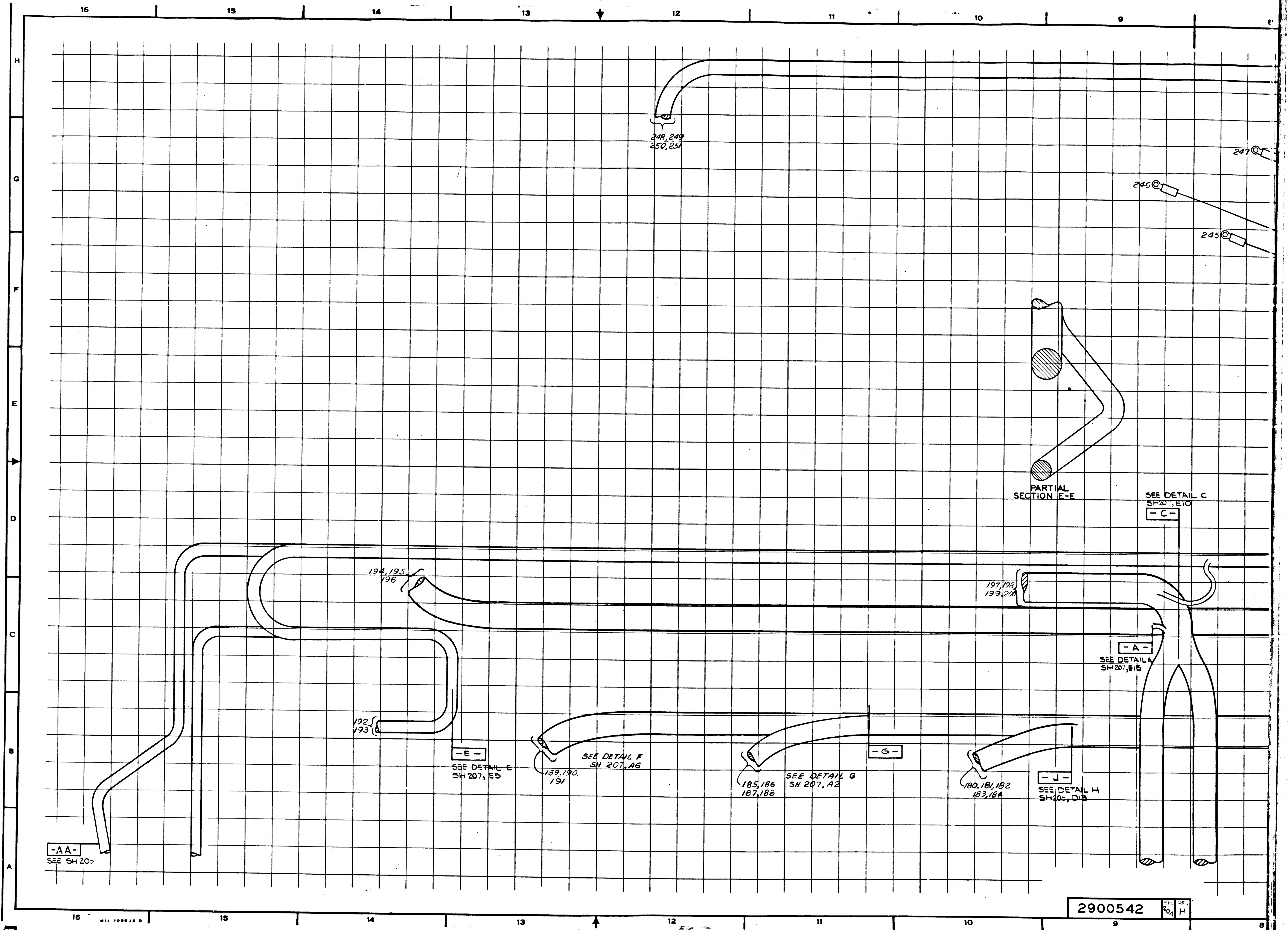
MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS "B"

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 20 OF 20

2/2900542

SH 207 OF 209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248,249
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246
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PARTIAL
SECTION E-E
SEE DETAIL C
SH207, E10
-C-
194,195
196
197,198
199,200
-A-
SEE DETAIL A
SH 207, E15
192
193
-E-
SEE DETAIL E
SH 207, E5
189,190,
191
SEE DETAIL F
SH 207, A6
185,186
187,188
SEE DETAIL G
SH 207, A2
-G-
180,181,182
183,184
-J-
SEE DETAIL H
SH208, D13
-AA-
SEE SH 205
MIL 1000/2 D

2900542 | SH. 204 | REV H

1/2900542

APPLICATION		REVISIONS 23419			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION (-) WITH CHANGE. WAS "D" SIZE, SH 1 OF 1.		
		B	REVISED PER MXC 204732	13SEP 65	JWP J.E.G.
		C	REVISED PER MXC 205384	28SEP 65	JWP J.E.G.
		D	REVISED PER MXC 309800	4OCT 65	JWP J.E.G.
		E	REVISED PER MXC309801	15 OCT 65	EF
		F	REVISED PER MXC 206185	19 OCT 65	JWP W.D.
		(M) G	INITIAL RELEASE CLASS A PER TDRR 23419		JR
		(M) H	REVISED PER TDRR 23812	10 NOV 65	PHG MEM
		J	REVISED PER TDRR 24866	28 DEC 65	JWP MEM
		K	REVISED PER TDRR 24865	29 DEC 65	RP MEM

REPLACES REV + WITH CHANGE

REV		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
SHEET		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
REV STATUS	REV						K	J	H	H	H	H	K	H	H	K	H	H	H	H	H	H	H	H
OF SHEETS	SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN MAHAS DATE 29 JUL 65
CHECKED J Saylor 19 AUG 65
APPROVAL George J Reed 19 AUG 65
APPROVAL W Johnson 8/20/65

NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS B

CODE IDENT NO. 99974 | SIZE A | 2900542 | REV K

SCALE — | SHEET 1 OF 209

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	H	81	H	117	H	153	H	189	H				
46	H	82	H	118	H	154	H	190	H				
47	H	83	H	119	H	155	H	191	H				
48	H	84	H	120	H	156	H	192	H				
49	H	85	H	121	H	157	H	193	H				
50	H	86	H	122	H	158	H	194	H				
51	H	87	H	123	H	159	H	195	H				
52	H	88	H	124	H	160	H	196	H				
53	H	89	H	125	H	161	H	197	H				
54	H	90	J	126	H	162	H	198	H				
55	H	91	H	127	H	163	H	199	H				
56	H	92	H	128	H	164	H	200	H				
57	H	93	H	129	H	165	H	201	H				
58	H	94	H	130	H	166	H	202	H				
59	H	95	H	131	H	167	H	203	H				
60	H	96	H	132	H	168	H	204	H				
61	H	97	H	133	H	169	H	205	H				
62	H	98	H	134	H	170	H	206	H				
63	H	99	H	135	H	171	H	207	H				
64	H	100	H	136	H	172	H	208	H				
65	H	101	H	137	H	173	H	209	H				
66	H	102	H	138	H	174	H						
67	H	103	H	139	H	175	H						
68	H	104	H	140	H	176	H						
69	H	105	H	141	H	177	H						
70	H	106	H	142	H	178	H						
71	H	107	H	143	H	179	H						
72	H	108	H	144	H	180	H						
73	H	109	H	145	H	181	H						
74	H	110	H	146	H	182	H						
75	H	111	H	147	H	183	H						
76	H	112	H	148	H	184	H						
77	H	113	H	149	H	185	H						
78	H	114	H	150	H	186	H						
79	H	115	H	151	H	187	H						
80	H	116	H	152	H	188	H						

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION J

NASA DRAWING NO.
2900542
SHEET 2 OF 209

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002032 B - ND1002071
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 109.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 109.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	UNLESS OTHERWISE SPECIFIED APPLY LEAD INDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 112 OR ITEMS 110 AND 1
11	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET	3 OF 209

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
12	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD K - BLACK, WHITE WITH LETTER K OR WHITE WITH BLACK TRACER. L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER. W - WHITE OR WHITE WITH LETTER W. X - COAX OUTER CONDUCTOR Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.
13	MARK ITEMS 81 AND 139 PER ND1002019, COLOR BLACK, .12 HIGH IN VIEW X-X AND Y-Y. MARK WITH HARNESS PLUG DESIGINATION AND MATING RECEPTACLE DESIGINATION SHOWN IN TABLE 1
14	USE ITEM 125 AS REQUIRED TO PROVIDE CLAMPING
15	UNLESS OTHERWISE SPECIFIED TUBING SHALL EXTEND A MINIMUM OF .5 INCH BEYOND CABLE CLAMPS SHOWN IN DETAILS A THRU S AND WITHIN 2 INCHS OF THEIR RESPECTIVE DATUMS
16	ON CONDUCTOR 568 MARK LEAD IDENTIFICATIONS PER ND1002019 INCLUDING SUFFIXES
17	THE FOLLOWING CONDUCTORS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER. 568K, 568L, 568R, 568Y
18	TOLERANCE FOR STRIP LENGTHS ON ITEM 118 TO BE PLUS .06, MINUS .00
19	CONNECTORS MUST HAVE A MINIMUM OF THREE CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32 TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET	4 OF 209

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
20	USE TOLERANCE CHART UNLESS OTHERWISE SPECIFIED
21	LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 138 WHENEVER ITEMS 2,9, + 142 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .06 IN.
22	ASSEMBLE CONTACTS IN ALL SPARE CONNECTOR INSERT HOLES OF ALL MS3126 AND 3127 TYPE CONNECTORS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET	5 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900542-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT
	2	1	2900542-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT
	3	1	2900542-003	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT
	4	1	2900542-004	WIRE, ND1002181, TYPE 1, CLASS 1, 18AWG, WHT
	5	1	2900542-005	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 22AWG, WHT
	6	1	2900542-006	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 20AWG, WHT
	7	1	2900542-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 24AWG, WHT/RED, WHT/BLU
	8	1	2900542-008	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 20AWG, WHT/RED, WHT/BLU
	9	1	2900542-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 16AWG, WHT/RED, WHT/BLU
	10	1	2900542-010	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 22AWG, WHT/RED, WHT/BLU
	11	1	2900542-011	WIRE, ND1002181, TYPE 1, CLASS 1, 4AWG, WHT
	12	2	MS3126F14-19S	(1897040-190) CONNECTOR PLUG, ELEC
	13	2	MS3126F22-55P	(1897045-550) CONNECTOR PLUG, ELEC
	14	1	MS3126F22-55PW	(1897045-551) CONNECTOR PLUG, ELEC
7	15	3	1015907-100	CONNECTOR PLUG, ELEC

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	H	SHEET	6 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	8	MS3126F16-8S	(1897042-080) CONNECTOR PLUG, ELEC
	17	1	MS3126F24-61PZ	(1897047-614) CONNECTOR PLUG, ELEC
7	18	2	1015907-103	CONNECTOR PLUG, ELEC
	19		1897330-001	DELETED
	20	1	MS3126F22-55PX	(1897045-552) CONNECTOR PLUG, ELEC
	21	1	MS3126F22-55SY	(1897046-553) CONNECTOR PLUG, ELEC
	22	1	MS3126F12-10P	(1897038-100) CONNECTOR PLUG, ELEC
	23	7	MS3126F24-61SW	(1897048-611) CONNECTOR PLUG, ELEC
	24	9	MS3126F24-61S	(1897048-610) CONNECTOR PLUG, ELEC
	25	1	MS3126F20-16S	(1897044-160) CONNECTOR PLUG, ELEC
	26	6	MS3126F24-61SX	(1897048-612) CONNECTOR PLUG, ELEC
	27	1	MS3126F12-10SW	(1897039-101) CONNECTOR PLUG, ELEC
	28	1	MS3126F12-10S	(1897039-100) CONNECTOR PLUG, ELEC
	29	1	MS3126F24-61SZ	(1897046-614) CONNECTOR PLUG, ELEC
	30	1	MS3126F16-8SW	(1897042-081) CONNECTOR PLUG, ELEC
	31	1	MS3126F10-6S	(1897026-060) CONNECTOR PLUG, ELEC
	32	1	MS3126F20-41P	(1897043-410) CONNECTOR PLUG, ELEC
7	33	2	1897215-011	CONNECTOR PLUG, ELEC

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR K | SHEET 7 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	9	1015922-001	CONNECTOR PLUG, ELEC
7	35	2	1015907-101	CONNECTOR PLUG, ELEC
7	36	1	1015907-102	CONNECTOR PLUG, ELEC
7	37	1	1015907-104	CONNECTOR PLUG, ELEC
	38	2	MS3126F24-61SY	(1897048-613) CONNECTOR PLUG, ELEC
	39	1	MS3126F14-19P	(1897089-190) CONNECTOR PLUG, ELEC
7	40	1	1015906-100	CONNECTOR RECEP, ELEC
7	41	1	1015906-101	CONNECTOR RECEP, ELEC
7	42	1	1015906-102	CONNECTOR RECEP, ELEC
7	43	1	1015906-103	CONNECTOR RECEP, ELEC
7	44	1	1015906-104	CONNECTOR RECEP, ELEC
	45	1	MS3127E24-61PY	(1897055-613) CONNECTOR RECEP, ELEC
	46	1	MS3127E24-61PZ	(1897055-614) CONNECTOR RECEP, ELEC
	47	1	MS3127E24-61S	(1897056-610) CONNECTOR RECEP, ELEC
	48	1	MS3127E20-41PW	(1897051-411) CONNECTOR RECEP, ELEC
	49	1	MS3127E14-15S	(1897116-150) CONNECTOR RECEP, ELEC
	50	1	MS3127E22-55PX	(1897053-552) CONNECTOR RECEP, ELEC
	51	1	MS3127E22-55PY	(1897053-553) CONNECTOR RECEP, ELEC

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 8 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	52	1	MS3127E22-55PZ	(1897053-554) CONNECTOR RECEP, ELEC
	53	1	MS3127E22-55SW	(1897054-551) CONNECTOR RECEP, ELEC
	54	1	MS3127E22-55SX	(1897054-552) CONNECTOR RECEP, ELEC
	55	1	MS3127E22-55SY	(1897054-553) CONNECTOR RECEP, ELEC
	56	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEP, ELEC
7	57	1	1897214-011	CONNECTOR RECEP, ELEC
7	58	1	1897214-012	CONNECTOR RECEP, ELEC
7	59	1	1897214-013	CONNECTOR RECEP, ELEC
7	60	1	1897215-013	CONNECTOR
7	61	1	1897215-012	CONNECTOR
	62	1	MS3126F20-41S	(1897044-410) CONNECTOR
	63	1	MS3106A18-1P	(1897084-010) CONNECTOR PLUG
7	64	1	1016282- 10	GROMMET, CONNECTOR
7	65	3	1016282- 12	GROMMET, CONNECTOR
7	66	3	1016282- 14	GROMMET, CONNECTOR
7	67	9	1016282- 16	GROMMET, CONNECTOR
7	68	4	1016282- 18	GROMMET, CONNECTOR
7	69	5	1016282- 22	GROMMET, CONNECTOR

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 9 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	70	26	1016282- 24	GROMMET, CONNECTOR
	71		1897331-001	DELETED
7	72	35	1016006-003	SPLICE REDUCER
7	73	25	1015902- 45	TERMINAL LUG
7	74	72	1015902- 3	TERMINAL LUG, RING TONGUE, CRIMP
	75		1016295-012	DELETED
	76		1016295-009	DELETED
	77		1016048- 15	DELETED
	78	16	1900448- 11	CLAMP, CABLE, BRACKET ASSY
	79	31	MS21919-WDG2 THRU MS21919-WDG32	(1897073-202 THRU 1897073-224) CLAMP-LOOP TYPE, CUSHIONED (SELECTED AS REQUIRED)
7	80	9	1015905-061	CLAMP, STRAIN RELIEF
7	81	58	1016128-011	BAND, IDENTIFICATION
7	82	35	1010490-198	INSULATION-SLEEVING, ELEC
7	83	100	1010490-196	INSULATION-SLEEVING, ELEC
	84	1	2900542-018	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .50 DIA
	85	1	2900542-019	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .75 DIA
	86	1	2900542-020	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .88 DIA

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR K | SHEET 10 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	87	1	2900542-021	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.00 DIA
	88	1	2900542-022	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.25 DIA
	89	1	2900542-023	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.50 DIA
7	90	62	1015908- 11	PIN CONTACT
7	91	50	1015908- 41	OUTER MALE BODY
7	92	113	1015908- 51	HYRING
7	93	50	1015908- 21	SOCKET CONTACT
7	94	63	1015908- 31	OUTER FEMALE BODY
7	95	6	1897228-001	COAX CABLE HOUSING CONN.
7	96	106	1897229-001	PIN CONTACT ASSY
7	97	106	1897229-002	RETENTION SPRING
7	98	106	1897229-003	FERRULE
7	99	4	1897333-001	SPLICE, CONDUCTOR
7	100	3	1016369-712	INNER SUPPORT SLEEVE
7	101	3	1016369-713	OUTER SUPPORT SLEEVE
	102		1901464-004	DELETED
7	103	31	1006783-045	SCREW, BUTTON HEAD

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 11 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	104		1006783-044	DELETED
	105		MS35234-69	DELETED
	106	31	AN960C10L	(1897006- 19) WASHER, FLAT
	107		MS35338-081	DELETED
	108	31	1896990-011	NUT, SELF LOCKING
	109	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO. 18)
	110	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	111	AR	MIL-F-14256	FLUX (ES2798)
	112	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
7	113	491	1897266-001	CONTACT, RECEP, ELEC
	114		MS3192A-20A	(1896855-020) CONTACT, PIN(FURNISHED WITH CONN)
	115		MS3193A-20A	(1896877-020) CONTACT, SOCKET(FURNISHED WITH CONN)
	116		MS3192-16A	(1896855-016) CONTACT, PIN(FURNISHED WITH CONN)
	117		MS3193-16A	(1896877-016) CONTACT, SOCKET(FURNISHED WITH CONN)
	118	1	2900542-012	CABLE, RF, COAXIAL, MIL-C-17 RG188/U
7	119	246	1010763-002	SLEEVE, SOLDER, ELEC
7	120	743	1010490-228	INSULATION-SLEEVING, ELEC

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 12 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	121	16	1010763- 3	SLEEVE, SOLDER, ELEC
	122		2900542-013	DELETED
7	123	52	1897267	CONNECTOR RECEP, ELEC
7	124	20	1010490-232	INSULATION-SLEEVING, ELEC
	125	1	2900542-025	INSULATION, ELEC, MIL-I-631, TYPE F, FORM S, .62 IN. WIDE X .040 IN. THICK, GRADE A, CLASS 1 BLACK
7	126	12	1016281-180	CONTACT-PIN
7	127	35	1016281-181	CONTACT-SOCKET
7	128	96	1016369-588	HYRING
7	129	26	1016369-288	CONTACT-OUTER MALE
7	130	27	1016369-388	CONTACT-INNER FEMALE
7	131	70	1016369-488	CONTACT-OUTER FEMALE
7	132	71	1016369-188	CONTACT-INNER MALE
7	133	6	1016369-420	CONTACT-MALE NO. 20
7	134	67	1016369-421	CONTACT-FEMALE NO. 20
7	135	3	1016369-720	CONTACT-MALE NO. 16
7	136	2	1016369-721	CONTACT-FEMALE NO. 16
	137	1	2900542-014	WIRE, ND1002181, TYPE III, CLASS 1, T3, WHT, 22AWG, MARKED R,L,Y

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 13 OF 209

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	138	42	1897266-004	CONTACT, RECEPT, ELECT
7	139	66	1015864-462	INSULATION SLEEVING
	140	1	2900542-015	WIRE, ND1002181, TYPE II, CLASS 1, T2, 22AWG, WHT MARKED L,R
	141		2900542-016	DELETED
	142	1	2900542-017	WIRE, ND1002181, TYPE II, CLASS 1, T2, 16AWG, WHT MARKED L,R
	143	1	2900542-024	WIRE ND1002181 TYPE 3 CLASS 4, WHT JACKET, 20AWG WHT/RED WHT/BLU WHT/YEL
7	144	2	1897342-003	LUG, TERMINAL
	145	4	1897331-001	ADAPTER, CABLE CLAMP
	146	4	1897330-001	CLAMP STRAIN RELIEF
	147	1	1016006-002	SPLICE REDUCER

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 14 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 1E			J8-G1 P12-G1	27 126				.11 .11	NO NO		93 90	
B 1X			J8-G2 P12-G2	27 126								
B 2	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 2E			J8-J1 P12-J1	27 126				.11 .11	NO NO		93 90	
B 2X			J8-J2 P12-J2	27 126								
B 3	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 3E			J8-K1 P12-K1	27 126				.11 .11	NO NO		93 90	
B 3X			J8-K2 P12-K2	27 126								
B 4	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 4E			J8-H1 P12-H1	27 126				.11 .11	NO NO		93 90	
B 4X			J8-H2 P12-H2	27 126								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 15 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 5E			J8-A1 P127A-1A	27 170A				.11 .11	NO NO		93 96	
B 5X			J8-A2 P127A-1B	27 170A								
B 6	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 6E			J8-B1 P127A-2A	27 170A				.11 .11	NO NO		93 96	
B 6X			J8-B2 P127A-2B	27 170A								
B 7	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 7E			J8-C1 P127A-3A	27 170A				.11 .11	NO NO		93 96	
B 7X			J8-C2 P127A-3B	27 170A								
B 8	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 8E			J8-D1 P127A-4A	27 170A				.11 .11	NO NO		93 96	
B 8X			J8-D2 P127A-4B	27 170A								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 16 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 9	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 9E			J8-E1 P127A-5A	27 170A				.11 .11	NO NO		93 96	
B 9X			J8-E2 P127A-5B	27 170A								
B 10	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 10E			J8-F1 P127A-6A	27 170A				.11 .11	NO NO		93 96	
B 10X			J8-F2 P127A-6B	27 170A								
B 11	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 11B	1		P14-H SHLD B11	27				.22 .25	NO NO		114	
B 11E			J9-C1 P14-J	27 197				.11 .22	NO NO		93 114	
B 11X			J9-C2 SHLD B11	27								
B 12	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 12B	1		P14-G SHLD B12	197				.22 .25	NO NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 17 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 12E			J9-D1 P14-F	25 197				.11 .22	NO NO		93 114	
B 12X			J9-D2 SHLD B12	25								
B 13	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 13E			J9-E1 P127A-9A	25 170A				.11 .11	NO NO		93 96	
B 13X			J9-E2 P127A-9B	25 170A								
B 14	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 14E			J9-F1 P127A-10A	25 170A				.11 .11	NO NO		93 96	
B 14X			J9-F2 P127A-10B	25 170A								
B 15	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 15E			J9-G1 P127A-11A	25 170A				.11 .11	NO NO		93 96	
B 15X			J9-G2 P127A-11B	25 170A								
B 16	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 18 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16E			J9-J1 P127A-13A	25 170A				.11 .11	NO NO		93 96	
B 16X			J9-J2 P127A-13B	25 170A								
B 17	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 17E			J9-A1 P12-A1	25 126				.11 .11	NO NO		93 90	
B 17X			J9-A2 P12-A2	25 126								
B 18	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 92, 94,120	
B 18E			J9-B1 P12-B1	25 126				.11 .11	NO NO		93 90	
B 18X			J9-B2 P12-B2	25 126								
B 19	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 19E			J9-K1 P127A-14A	25 170A				.11 .11	NO NO		93 96	
B 19X			J9-K2 P127A-14B	25 170A								
B 20	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 19 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20E			J9-H1 P127A-12A	25 170A				.11 .11	NO NO		93 96	
B 20X			J9-H2 P127A-12B	25 170A								
B 21	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 21B	1		P14-C* SHLD B21	197				.22 .25	NO NO		114	
B 21E			J13-A1 P14-D*	29 197				.11 .22	NO NO		93 114	
B 21X			J13-A2 SHLD B21	29								
B 22	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 22E			J13-E1 P127A-17A	29 170A				.11 .11	NO NO		93 96	
B 22X			J13-E2 P127A-17B	29 170A								
B 23	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 23E			J13-F1 P127A-18A	29 170A				.11 .11	NO NO		93 96	
B 23X			J13-F2 P127A-18B	29 170A								

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 20 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 24	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 24E			J13-G1 P127A-19A	29 170A				.11 .11	NO NO		93 96	
B 24X			J13-G2 P127A-19B	29 170A								
B 25	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 25E			J13-J1 P127A-21A	29 170A				.11 .11	NO NO		93 96	
B 25X			J13-J2 P127A-21B	29 170A								
B 26	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 26E			J13-K1 P127A-24A	29 170A				.11 .11	NO NO		93 96	
B 26X			J13-K2 P127A-24B	29 170A								
B 27	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 27E			J13-H1 P127A-20A	29 170A				.11 .11	NO NO		93 96	
B 27X			J13-H2 P127A-20B	29 170A								

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 21 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 28	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 28B	1		P26-P* SHLD B28	194				.22 .25	NO NO		115	
B 28E			J13-B1 P26-N*	29 194				.11 .22	NO NO		93 115	
B 28X			J13-B2 SHLD B28	29								
B 29	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 29B	1		P25-V* SHLD B29	195				.22 .25	NO NO		115	
B 29E			J13-D1 P25-U*	29 195				.11 .22	NO NO		93 115	
B 29X			J13-D2 SHLD B29	29								
B 30	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 30B	1		P25-Z* SHLD B30	195				.22 .25	NO NO		115	
B 30E			J13-C1 P25-Y*	29 195				.11 .22	NO NO		93 115	
B 30X			J13-C2 SHLD B30	29								

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 22 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 31B	1		P26-PP SHLD B31	 194				.22 .25	NO NO		115	
B 31E			J14-K1 P26-NN	28 194				.11 .22	NO NO		93 115	
B 31X			J14-K2 SHLD B31	28								
B 32	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,124,120	
B 32B	1		P15-Y SHLD B32	198				.22 .25	NO NO		114	
B 32E			J14-A1 P15-Z	28 198				.11 .22	NO NO		93 114	
B 32X			J14-A2 SHLD B32	28								
B 33	119				.52 .52	.23 .23				A,9	91, 92,120 12C, 97, 98	
B 33E			J14-B1 P128A-1A	28 171				.11 .11	NO NO		93 96	
B 33X			J14-B2 P128A-1B	28 171								
B 34	118				.52 .52	.23 .23				A,9	91, 92,120 12C, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34E			J14-C1 P128A-2A	28 171				.11 .11	NO NO		93 96	
B 34X			J14-C2 P128A-2B	28 171								
B 35	118				.52 .52	.23 .23				A,9	91, 92,12C 12C, 97, 98	
B 35E			J14-D1 P128A-3A	28 171				.11 .11	NO NO		93 96	
B 35X			J14-D2 P128A-3B	28 171								
B 36	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 36E			J14-E1 P128A-4A	28 171				.11 .11	NO NO		93 96	
B 36X			J14-E2 P128A-4B	28 171								
B 37	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	
B 37E			J14-F1 P128A-5A	28 171				.11 .11	NO NO		93 96	
B 37X			J14-F2 P128A-5B	28 171								
B 38	118				.52 .52	.53 .23				A,9	91, 92,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 38E			J15-A1 P128A-8A	26 171				.11 .11	NO NO		93 96	
B 38X			J15-A2 P128A-8B	26 171								
B 39	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 39B	1		P14-V SHLD B39	197				.22 .25	NO NO		114	
B 39E			J15-B1 P14-U	26 197				.11 .22	NO NO		93 114	
B 39X			J15-B2 SHLD B39	26								
B 4C	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 4CE			J15-G1 P128A-1CA	26 171				.11 .11	NO NO		93 96	
B 40X			J15-G2 P128A-1CB	26 171								
B 41	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 41E			J15-J1 P128A-12A	26 171				.11 .11	NO NO		93 96	
B 41X			J15-J2 P128A-12B	26 171								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 42E			J15-K1 P128A-13A	26 171				.11 .11	NO NO		93 96	
B 42X			J15-K2 P128A-13B	26 171								
B 43	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 43E			J15-H1 P128A-11A	26 171				.11 .11	NO NO		93 96	
B 43X			J15-H2 P128A-11B	26 171								
B 44	118				.52 .52	.23 .23				A,9	91, 92,120 120, 97, 98	
B 44E			J15-C1 P128A-9A	26 171				.11 .11	NO NO		93 96	
B 44X			J15-C2 P128A-9B	26 171								
B 45	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 45B	1		P14-H* SHLD B45	197				.22 .25	NO NO		114	
B 45E			J15-D1 P14-I*	26 197				.11 .22	NO NO		93 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45X			J15-D2 SHLD B45	26								
B 46	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 46B	1		P14-K SHLD B46	197				.22 .25	NO NO		114	
B 46E			J15-E1 P14-L	26 197				.11 .22	NO NO		93 114	
B 46X			J15-F2 SHLD B46	26								
B 47	118				.52 4.00	.23 3.75				A,9 B,6B	91, 92,120 119,120	
B 47B	1		P14-Y SHLD B47	197				.22 .25	NO NO		114	
B 47E			J15-F1 P14-Z	26 197				.11 .22	NO NO		93 114	
B 47X			J15-F2 SHLD B47	26								
B 48	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 48B	1		P104D-31 SHLD B48	68				.12 .25	NO NO		113	
B 48L			J16-H* P104D-12	20 68				.22 .12	NO NO		114 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 27 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48R			J16-G* P104D-11	20 68				.22 .12	NO NO		114 113	
B 49	1		J16-HH P92-Y*	20 183				.22 .22	NO NO		114 115	
B 50	1		J16-D* P98-GG	20 187				.22 .22	NO NO		114 115	
B 51	1		J16-E* P98-HH	20 187				.22 .22	NO NO		114 115	
B 52	1		J16-F* P98-FF	20 187				.22 .22	NO NO		114 115	
B 53	1		J16-CC P92-V*	20 183				.22 .22	NO NO		114 115	
B 54	1		J16-BB P92-W*	20 183				.22 .22	NO NO		114 115	
B 55	1		J16-FF P92-U*	20 183				.22 .22	NO NO		114 115	
B 56	1		J16-EE P92-T*	20 183				.22 .22	NO NO		114 115	
B 57	1		J16-X* P92-S*	20 183				.22 .22	NO NO		114 115	
B 58	1		J16-Y* P92-R*	20 183				.22 .22	NO NO		114 115	
B 59	1		J16-LL P99-JJ	20 186				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 28 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 60	1		J16-MM P99-MM	20 186				.22 .22	NO NO		114 115	
B 61	1		J16-PP P99-LL	20 186				.22 .22	NO NO		114 115	
B 62	1		J16-NN P99-KK	20 186				.22 .22	NO NO		114 115	
B 63	1		J16-B E301-B	20 39				.22 .25	NO NO		114	
B 64	1		J16-M P26-Y	20 194				.22 .22	NO NO		114 115	
B 65	1		J16-A P26-V*	20 194				.22 .22	NO NO		114 115	
B 66	1		J16-R P26-KK	20 194				.22 .22	NO NO		114 115	
B 67	1		J16-N P92-X*	20 194				.22 .22	NO NO		114 115	
B 68	1		J16-P P96-MM	20 182				.22 .22	NO NO		114 115	
B 69	1		J16-Z* P96-HH	20 182				.22 .22	NO NO		114 115	
B 70	1		J16-DD P96-FF	20 182				.22 .22	NO NO		114 115	
B 71	1		J16-GG P96-GG	20 182				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 29 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	1		J16-JJ P96-JJ	20 182				.22 .22	NO NO		114 115	
B 73	1		J16-KK P96-KK	20 182				.22 .22	NO NO		114 115	
B 74	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 74B	1		E301-B SHLD B74	39				.25 .25	NO NO			
B 74L			J16-N* P108D-12	20 45				.22 .12	NO NO		114 113	
B 74R			J16-M* P108D-11	20 45				.22 .12	NO NO		114 113	
B 75	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 75B	1		E301-B SHLD B75	39				.25 .25	NO NO			
B 75L			J16-J* P108D-16	20 45				.22 .12	NO NO		114 113	
B 75R			J16-K* P108D-15	20 45				.22 .12	NO NO		114 113	
B 76	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 76B	1		E301-B SHLD B76	39				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 30 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 76L			J16-S* P108D-18	20 45				.22 .12	NO NO		114 113	
B 76R			J16-R* P108D-17	20 45				.22 .12	NO NO		114 113	
B 77	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 77B	1		E301-B SHLD B77	39				.25 .25	NO NO			
B 77L			J16-Q* P108D-22	20 45				.22 .12	NO NO		114 113	
B 77R			J16-P* P108D-21	20 45				.22 .12	NO NO		114 113	
B 78	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 78B	1		E301-B SHLD B78	39				.25 .25	NO NO			
B 78L			J16-W* P108D-24	20 45				.22 .12	NO NO		114 113	
B 78R			J16-V* P108D-23	20 45				.22 .12	NO NO		114 113	
B 79	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 79B	1		E301-B SHLD B79	39				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 31 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 79L			J16-U* P108D-28	20 45				.22 .12	NO NO		114 113	
B 79R			J16-T* P108D-27	20 45				.22 .12	NO NO		114 113	
B 80	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 80A	1		SHLD B80 E303-B	 16				.25 .25	NO NO			
B 80L			J17-HH P21-K*	15 202				.22 .22	NO NO		114 115	
B 80R			J17-GG P21-J*	15 202				.22 .22	NO NO		114 115	
B 81	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 81A	1		SHLD B81 E303-B	 16				.25 .25	NO NO			
B 81L			J17-KK P21-I*	15 202				.22 .22	NO NO		114 115	
B 81R			J17-JJ P21-H*	15 202				.22 .22	NO NO		114 115	
B 82	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 82B	1		P117D-32 SHLD B82	35				.12 .25	NO NO		113 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 32 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 82L			J17-FF P117D-16	15 35				.22 .12	NO NO		114 113	
B 82R			J17-EE P117D-15	15 35				.22 .12	NO NO		114 113	
B 83	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 83B	1		E306-B SHLD B83	57				.25 .25	NO NO			
B 83L			J17-DD P116A-10	15 58				.22 .12	NO NO		114 113	
B 83R			J17-CC P116A-9	15 58				.22 .12	NO NO		114 113	
B 84	1		J17-B E303-B	15 57				.22 .25	NO NO		114	
B 85	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 85B	1		E303-B SHLD B85	57				.25 .25	NO NO			
B 85L			J17-L P35-H*	15 184				.22 .22	NO NO		114 115	
B 85R			J17-K P35-I*	15 184				.22 .22	NO NO		114 115	
B 86	1		J17-D P26-Q*	15 194				.22 .22	NO NO		114 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 33 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 87	1		J17-E P25-X*	15 195				.22 .22	NO NO		114 115	
B 88	1		J17-F P25-W*	15 195				.22 .22	NO NO		114 115	
B 89	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 89B	1		E304-B SHLD B89	62				.25 .25	NO NO			
B 89L			J17-B* P107D-28	15 64				.22 .12	NO NO		114 113	
B 89R			J17-A* P107D-27	15 64				.22 .12	NO NO		114 113	
B 90	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 90B	1		E304-B SHLD B90	62				.25 .25	NO NO			
B 90L			J17-C* P107D-29	15 64				.22 .12	NO NO		114 113	
B 90R			J17-D* P107D-30	15 64				.22 .12	NO NO		114 113	
B 91	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 91B	1		E302-B SHLD B91	40				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 34 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 91L			J17-K* P108D-4	15 45				.22 .12	NO NO		114 113	
B 91R			J17-J* P108D-3	15 45				.22 .12	NO NO		114 113	
B 92	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 92B	1		E302-B SHLD B92	40				.25 .25	NO NO			
B 92L			J17-N* P108D-6	15 45				.22 .12	NO NO		114 113	
B 92R			J17-M* P108D-5	15 45				.22 .12	NO NO		114 113	
B 93	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 93B	1		E302-B SHLD B93	40				.25 .25	NO NO			
B 93L			J17-U* P108D-10	15 45				.22 .12	NO NO		114 113	
B 93R			J17-T* P108D-9	15 45				.22 .12	NO NO		114 113	
B 94	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 94B	1		P105D-32 SHLD B94	47				.12 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 94L			J17-W* P105D-28	15 47				.22 .12	NO NO		114 113	
B 94R			J17-V* P105D-27	15 47				.22 .12	NO NO		114 113	
B 95	1		J18-FF P21-R*	12 202				.22 .22	NO NO		115 115	
B 96	1		J18-GG P21-M*	12 202				.22 .22	NO NO		115 115	
B 97	1		J18-N* P92-B*	12 183				.22 .22	NO NO		115 115	
B 98	1		J18-M* P92-A*	12 183				.22 .22	NO NO		115 115	
B 99	1		J18-K* P92-Y	12 183				.22 .22	NO NO		115 115	
B 100	1		J18-KK P36-Z	12 181				.22 .22	NO NO		115 115	
B 101	1		J18-H* P108D-1	12 45				.22 .12	NO NO		115 113	
B 102	1		J18-G* P98-E	12 187				.22 .22	NO NO		115 115	
B 103	1		J18-Q* P31-G	12 191				.22 .22	NO NO		115 115	
B 104	1		J18-U* P31-H	12 191				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 105	1		J18-X* P31-N	12 191				.22 .22	NO NO		115 115	
B 106	1		J18-S* P31-CC	12 191				.22 .22	NO NO		115 115	
B 107	1		J18-R* P31-EE	12 191				.22 .22	NO NO		115 115	
B 108	1		J18-W* P31-AA	12 191				.22 .22	NO NO		115 115	
B 109	1		J18-V* P31-Z*	12 191				.22 .22	NO NO		115 115	
B 110	1		J18-Z* P31-T*	12 191				.22 .22	NO NO		115 115	
B 111	1		J18-Y* P31-Y*	12 191				.22 .22	NO NO		115 115	
B 112	1		J18-J* P92-Z	12 183				.22 .22	NO NO		115 115	
B 113	1		J18-CC P130E-9	12 228				.22 .12	NO NO		115 113	
B 114	3		J18-B E307-B	12 13				.22 .25	NO NO		115	
B 115	3		J18-C TB7-1	12 224				.22 .20	NO NO		115 74	
B 116	1		J18-D P96-NN	12 182				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 117	1		J18-E P96-PP	12 182				.22 .22	NO NO		115 115	
B 118	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 118A	1		SHLD B118 E307-B	13				.25 .25	NO NO			
B 118L			J18-G P35-V*	12 184				.22 .22	NO NO		115 115	
B 118R			J18-F P35-U*	12 184				.22 .22	NO NO		115 115	
B 119	1		J18-U P31-F	12 191				.22 .22	NO NO		115 115	
B 120	1		J18-V P33-Z	12 189				.22 .22	NO NO		115 115	
B 121	1		J18-W P31-FF	12 191				.22 .22	NO NO		115 115	
B 122	1		J18-X P27-Z	12 185				.22 .22	NO NO		115 115	
B 123	1		J18-AA P25-EE	12 195				.22 .22	NO NO		115 115	
B 124	1		J18-BB P25-PP	12 195				.22 .22	NO NO		115 115	
B 125	1		J18-DD P102D-1	12 49				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 126	1		J18-EE P26-JJ	12 194				.22 .22	NO NO		115 115	
B 127	1		J18-NN P24-N*	12 196				.22 .22	NO NO		115 115	
B 128	1		J19-T P11-A	7 250				.22 .22	NO NO		114 114	
B 129	1		J19-P* P11-B	7 250				.22 .22	NO NO		114 114	
B 130	1		J19-N* P11-C	7 250				.22 .22	NO NO		114 114	
B 131			DELETED									
B 132			DELETED									
B 133	1		J19-Z P11-F	7 250				.22 .22	NO NO		114 114	
B 134	1		J19-A* P11-G	7 250				.22 .22	NO NO		114 114	
B 135	1		J19-B* P11-K	7 250				.22 .22	NO NO		114 114	
B 136	1		J19-C* P37-C	7 251				.22 .22	NO NO		114 115	
B 137	1		J19-J* E309-B	7 9				.22 .25	NO NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 39 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 147	3		J19-E P100D-3	7 87				.22 .12	NO NO		114 113	
B 148	3		J19-F P100D-4	7 87				.22 .12	NO NO		114 113	
B 151	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 151A	1		SHLD B151 E338-B	 8				.25 .25	NO NO			
B 151L			J19-G* P11-J	7 250				.22 .22	NO NO		114	
B 151R			J19-H* P11-H	7 250				.22 .22	NO NO		114	
B 152	10				4.00 2.25	3.75 2.00				B,6A A,7	120,121,119 120	
B 152A	1		SHLD B152 E309-B	 9				.25 .25	NO NO			
B 152L			J19-Y P11-T	7 250				.22 .22	NO NO		116 114	
B 152R			J19-X P11-S	7 250				.22 .22	NO NO		116 114	
B 153	2		J20-N TB7-7	5 219				.22 .20	NO NO		127 74	
B 154	2		J20-D TB8-5	5 211				.22 .20	NO NO		127 74	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 40 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 155	1		J20-M P24-S	5 196				.22 .22	NO NO		115 115	
B 156	1		J20-C P24-C*	5 196				.22 .22	NO NO		115 115	
B 157	1		J20-H P129F-32	5 23F				.22 .12	NO NO		115 138	
B 158	1		J20-E P129F-27	5 23F				.22 .12	NO NO		115 113	
B 159	1		J20-F P129F-24	5 23F				.22 .12	NO NO		115 113	
B 160	1		J20-G P129F-23	5 23F				.22 .12	NO NO		115 113	
B 161	1		J21-R* P96-A	2 182				.22 .22	NO NO		114 115	
B 162	1		J21-Q* P96-B	2 182				.22 .22	NO NO		114 115	
B 163	1		J21-P* P96-C	2 182				.22 .22	NO NO		114 115	
B 164	1		J21-N* P96-D	2 182				.22 .22	NO NO		114 115	
B 165	1		J21-M* P96-E	2 182				.22 .22	NO NO		114 115	
B 166	1		J21-B* P96-G	2 182				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 41 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 167	1		J21-C* P96-H	2 182				.22 .22	NO NO		114 115	
B 168	1		J21-D* P96-J	2 182				.22 .22	NO NO		114 115	
B 169	1		J21-E* P96-K	2 182				.22 .22	NO NO		114 115	
B 170	1		J21-F* P96-L	2 182				.22 .22	NO NO		114 115	
B 171	1		J21-G* P96-M	2 182				.22 .22	NO NO		114 115	
B 172	1		J21-H* P96-N	2 182				.22 .22	NO NO		114 115	
B 173	1		J21-J* P96-P	2 182				.22 .22	NO NO		114 115	
B 174	1		J21-K* P96-R	2 182				.22 .22	NO NO		114 115	
B 175	1		J21-A* P96-S	2 182				.22 .22	NO NO		114 115	
B 176	1		J21-Z* P98-N*	2 187				.22 .22	NO NO		114 115	
B 177	1		J21-HH P98-G*	2 187				.22 .22	NO NO		114 115	
B 178	1		J21-EE P98-DD	2 187				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 42 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 179	1		J21-V P98-H*	2 187				.22 .22	NO NO		114 115	
B 180	1		J21-L P98-J*	2 187				.22 .22	NO NO		114 115	
B 181	1		J21-M P98-CC	2 187				.22 .22	NO NO		114 115	
B 182	1		J21-X* P98-I*	2 187				.22 .22	NO NO		114 115	
B 183	1		J21-GG P98-V	2 187				.22 .22	NO NO		114 115	
B 184	1		J21-DD P98-U	2 187				.22 .22	NO NO		114 115	
B 185	1		J21-N P98-T	2 187				.22 .22	NO NO		114 115	
B 186	1		J21-J P98-S	2 187				.22 .22	NO NO		114 115	
B 187	1		J21-K P98-R	2 187				.22 .22	NO NO		114 115	
B 188	1		J21-S P99-FF	2 186				.22 .22	NO NO		114 115	
B 189	1		J21-FF P98-S*	2 186				.22 .22	NO NO		114 115	
B 190	1		J21-Y* P98-R*	2 186				.22 .22	NO NO		114 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 43 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 191	1		J21-AA P98-P*	2 186				.22 .22	NO NO		114 115	
B 192	1		J21-BB P98-M*	2 186				.22 .22	NO NO		114 115	
B 193	1		J21-CC P98-PP	2 186				.22 .22	NO NO		114 115	
B 194	1		J21-B P129F-32	2 23F				.22 .12	NO NO		114	
B 195	1		J21-C P35-CC	2 184				.22 .22	NO NO		114 115	
B 196	1		J21-D P35-DD	2 184				.22 .22	NO NO		114 115	
B 197	1		J21-E P35-EE	2 184				.22 .22	NO NO		114 115	
B 198	1		J21-F P35-FF	2 184				.22 .22	NO NO		114 115	
B 199	1		J21-G P35-GG	2 184				.22 .22	NO NO		114 115	
B 200	1		J21-H P35-HH	2 184				.22 .22	NO NO		114 115	
B 201	1		J21-P P92-P*	2 183				.22 .22	NO NO		114 115	
B 202	1		J21-R P92-Q*	2 183				.22 .22	NO NO		114 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 44 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 203	1		J21-U P98-EE	2 187				.22 .22	NO NO		114 115	
B 204	1		J21-W P35-JJ	2 184				.22 .22	NO NO		114 115	
B 205	1		J21-X P35-W	2 184				.22 .22	NO NO		114 115	
B 206	8				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 206A	1		SHLD B206 E310-B	 19				.25 .25	NO NO			
B 206L			J22-Q* P35-B*	18 184				.22 .22	NO NO		114 115	
B 206R			J22-P* P35-C*	18 184				.22 .22	NO NO		114 115	
B 207	1		J22-C* P35-G*	18 184				.22 .22	NO NO		114 115	
B 208	1		J22-A* P35-X	18 184				.22 .22	NO NO		114 115	
B 209	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 209B	3		E305-B SHLD B209	61				.25 .25	NO NO			
B 209L			J22-V P107D-11	18 64				.22 .12	NO NO		114 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 45 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 209R			J22-U P107D-13	18 64				.22 .12	NO NO		114 113	
B 210	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 210B	3		E305-B SHLD B210	61				.25 .25	NO NO			
B 210L			J22-X P107D-17	18 64				.22 .12	NO NO		114 113	
B 210R			J22-W P107D-19	18 64				.22 .12	NO NO		114 113	
B 211	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 211B	3		E305-B SHLD B211	61				.25 .25	NO NO			
B 211L			J22-Z P107D-23	18 64				.22 .12	NO NO		114 113	
B 211R			J22-Y P107D-25	18 64				.22 .12	NO NO		114 113	
B 212	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 212B	1		E310-B SHLD B212	19				.25 .25	NO NO			
B 212L			J22-T P11-FF	18 250				.22 .22	NO NO		114 114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 46 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 212R			J22-S P11-X	18 250				.22 .22	NO NO		114 114	
B 213	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 213A	1		SHLD B213 E310-B	 19				.25 .25	NO NO			
B 213L			J22-E P11-T	18 250				.22 .22	NO NO		114 114	
B 213R			J22-D P11-S	18 250				.22 .22	NO NO		114 114	
B 214	1		J22-AA P11-V	18 250				.22 .22	NO NO		114 114	
B 215	1		J22-BB P11-W	18 250				.22 .22	NO NO		114 114	
B 216	1		J22-CC P37-H*	18 251				.22 .22	NO NO		114 115	
B 217	1		J22-DD P37-J*	18 251				.22 .22	NO NO		114 115	
B 218	1		J22-EE P37-N*	18 251				.22 .22	NO NO		114 115	
B 219	1		J22-GG P37-S*	18 251				.22 .22	NO NO		114 115	
B 220	1		J22-HH P37-U*	18 251				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 47 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
B 221	1		J22-W* P37-W*	18 251				.22 .22	NO NO		114 115	
B 222	1		J22-X* P37-Y*	18 251				.22 .22	NO NO		114 115	
B 223	1		J22-Y* P37-AA	18 251				.22 .22	NO NO		114 115	
B 224	1		J22-Z* P37-CC	18 251				.22 .22	NO NO		114 115	
B 225	1		J22-D* P35-D*	18 184				.22 .22	NO NO		114 115	
B 226	1		J22-R* P36-Q*	18 181				.22 .22	NO NO		114 115	
B 227	1		J22-T* P36-AA	18 181				.22 .22	NO NO		114 115	
B 228	1		J22-F P36-DD	18 181				.22 .22	NO NO		114 115	
B 229	1		J22-K* P36-BB	18 181				.22 .22	NO NO		114 115	
B 230	1		J22-B* P35-A*	18 184				.22 .22	NO NO		114 115	
B 231	1		J22-E* P36-LL	18 181				.22 .22	NO NO		114 115	
B 232	1		J22-F* P36-X*	18 181				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 48 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 233	1		J22-G* P36-W*	18 181				.22 .22	NO NO		114 115	
B 234	1		J22-H* P36-EE	18 181				.22 .22	NO NO		114 115	
B 235	1		J22-J* P36-JJ	18 181				.22 .22	NO NO		114 115	
B 236	1		J22-K P33-R	18 189				.22 .22	NO NO		114 115	
B 237	1		J22-R P1070-12	18 64				.22 .12	NO NO		114 113	
B 238	1		J22-P P1070-18	18 64				.22 .12	NO NO		114 113	
B 239	1		J22-N P1070-24	18 64				.22 .12	NO NO		114 113	
B 240	1		J22-M P129F-15	18 23F				.22 .12	NO NO		114 113	
B 241	1		J22-I* P36-GG	18 181				.22 .22	NO NO		114 115	
B 242	1		J23-A P41-S*	14 107				.22 .22	NO NO		114 115	
B 243	1		J23-B P41-T*	14 107				.22 .22	NO NO		114 115	
B 244	1		J23-C P41-U*	14 107				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 49 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 245	1		J23-D P41-V*	14 107				.22 .22	NO NO		114 115	
B 246	1		J23-E P41-W*	14 107				.22 .22	NO NO		114 115	
B 247	1		J23-F P41-X*	14 107				.22 .22	NO NO		114 115	
B 248	1		J23-G P41-Y*	14 107				.22 .22	NO NO		114 115	
B 249	1		J23-H P41-Z*	14 107				.22 .22	NO NO		114 115	
B 250	1		J23-J P41-AA	14 107				.22 .22	NO NO		114 115	
B 251	1		J23-V P41-BB	14 107				.22 .22	NO NO		114 115	
B 252	1		J23-W P41-CC	14 107				.22 .22	NO NO		114 115	
B 253	1		J23-X P41-DD	14 107				.22 .22	NO NO		114 115	
B 254	1		J23-Y P41-EE	14 107				.22 .22	NO NO		114 115	
B 255	1		J23-Z P41-FF	14 107				.22 .22	NO NO		114 115	
B 256	1		J23-A* P41-GG	14 107				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 50 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 257	1		J23-B* P41-HH	14 107				.22 .22	NO NO		114 115	
B 258	1		J23-C* P41-JJ	14 107				.22 .22	NO NO		114 115	
B 259	1		J23-D* P41-KK	14 107				.22 .22	NO NO		114 115	
B 260	1		J23-E* P41-LL	14 107				.22 .22	NO NO		114 115	
B 261	1		J23-Q* P41-MM	14 107				.22 .22	NO NO		114 115	
B 262	1		J23-R* P41-NN	14 107				.22 .22	NO NO		114 115	
B 263	1		J23-S* P41-PP	14 107				.22 .22	NO NO		114 115	
B 264	1		J23-EE P109D-25	14 79				.22 .12	NO NO		114 113	
B 265	1		J23-FF P109D-26	14 79				.22 .12	NO NO		114 113	
B 266	1		J23-GG P109D-1	14 79				.22 .12	NO NO		114 113	
B 267	1		J23-HH P109D-2	14 79				.22 .12	NO NO		114 113	
B 268	1		J23-U* P121D-13	14 72				.22 .12	NO NO		114 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 51 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 269	1		J23-V* P121D-14	14 72				.22 .12	NO NO		114 113	
B 270	1		J23-W* P100D-1	14 87				.22 .12	NO NO		114 113	
B 271	1		J23-X* P100D-2	14 87				.22 .12	NO NO		114 113	
B 272	1		J23-AA P115D-19	14 77				.22 .12	NO NO		114 113	
B 273	1		J23-BB P115D-20	14 77				.22 .12	NO NO		114 113	
B 274	1		J23-CC P121D-3	14 72				.22 .12	NO NO		114 113	
B 275	1		J23-DD P121D-4	14 72				.22 .12	NO NO		114 113	
B 276	143				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 276A	1		SHLD B276 E311-B	 11				.25 .25	NO NO			
B 276L			J24-H P21-S*	10 202				.22 .22	NO NO		115 115	
B 276R			J24-G P21-U*	10 202				.22 .22	NO NO		115 115	
B 276Y			J24-J P21-T*	10 202				.22 .22	NO NO		115 115	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR H | SHEET 52 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 277	1		J24-R* P37-K	10 251				.22 .22	NO NO		115 115	
B 278	1		J24-S* P37-M	10 251				.22 .22	NO NO		115 115	
B 279	1		J24-V* P37-T*	10 251				.22 .22	NO NO		115 115	
B 280	1		J24-BB P37-V*	10 251				.22 .22	NO NO		115 115	
B 281	1		J24-W* P37-P*	10 251				.22 .22	NO NO		115 115	
B 282	1		J24-Y* P37-X*	10 251				.22 .22	NO NO		115 115	
B 283	1		J24-Q* P37-Z*	10 251				.22 .22	NO NO		115 115	
B 284	1		J24-N* P37-BB	10 251				.22 .22	NO NO		115 115	
B 285	1		J24-P* P37-DD	10 251				.22 .22	NO NO		115 115	
B 286	1		J24-U* P37-T*	10 251				.22 .22	NO NO		115 115	
B 287	10				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 287A	1		SHLD B287 E311-B	 11				.25 .25	NO NO			

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 287L			J24-D P37-NN	10 251				.22 .22	NO NO		115 115	
B 287R			J24-C P37-Z	10 251				.22 .22	NO NO		115 115	
B 288	1		J24-X* P37-M*	10 251				.22 .22	NO NO		115 115	
B 289	1		J24-T* P37-L	10 251				.22 .22	NO NO		115 115	
B 290	1		J24-AA P37-R*	10 251				.22 .22	NO NO		115 115	
B 291	1		J24-Z* P37-K*	10 251				.22 .22	NO NO		115 115	
B 292	1		J24-B P129A-32	10 174A				.22 .12	NO NO		115 138	
B 293	1		J25-CC P100D-13	10 87				.22 .12	NO NO		115 113	
B 294	1		J25-DD P100D-7	10 87				.22 .12	NO NO		115 113	
B 295	1		J25-B P129D-32	10 174D				.22 .12	NO NO		115 113	
B 296	1		J25-X P26-AA	10 194				.22 .22	NO NO		115 115	
B 297	1		J25-W P110D-19	10 60				.22 .12	NO NO		115 113	

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SCALE-NONE | REV LTR H | SHEET 54 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 298	1		J25-T	10				.22	NO		115	
			P26-CC	194				.22	NO		115	
B 299	1		J25-C	10				.22	NO		115	
			P96-Q*	182				.22	NO		115	
B 300	1		J25-D	10				.22	NO		115	
			P96-R*	182				.22	NO		115	
B 301	1		J25-E	10				.22	NO		115	
			P96-S*	182				.22	NO		115	
B 302	1		J25-F	10				.22	NO		115	
			P96-T*	182				.22	NO		115	
B 303	1		J25-G	10				.22	NO		115	
			P96-U*	182				.22	NO		115	
B 304	1		J25-H	10				.22	NO		115	
			P96-V*	182				.22	NO		115	
B 305	1		J25-J	10				.22	NO		115	
			P96-W*	182				.22	NO		115	
B 306	1		J25-K	10				.22	NO		115	
			P96-X*	182				.22	NO		115	
B 307	1		J25-L	10				.22	NO		115	
			P96-Y*	182				.22	NO		115	
B 308	1		J25-M	10				.22	NO		115	
			P96-Z*	182				.22	NO		115	
B 309	1		J25-Z	10				.22	NO		115	
			P96-F*	182				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
B 310			DELETED									
B 311			DELETED									
B 312	1		J25-P*	10				.22	NO		115	
			P96-AA	182				.22	NO		115	
B 313	1		J25-Q*	10				.22	NO		115	
			P96-BB	182				.22	NO		115	
B 314	1		J25-R*	10				.22	NO		115	
			P96-EE	182				.22	NO		115	
B 315			DELETED									
B 316			DELETED									
B 317	2		J26-AA	3				.22	NO		127	
			TB7-5	221				.20	NO		74	
B 318	3		J26-C*	3				.22	NO		115	
			P129F-11	23F				.12	NO		113	
B 319	1		J26-D*	3				.22	NO		115	
			P129F-12	23F				.12	NO		113	
B 320	1		J26-J*	3				.22	NO		115	
			P114D-15	37				.12	NO		113	
B 321	1		J26-E*	3				.22	NO		115	
			P114D-17	37				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 322	1		J26-H*	3				.22	NO		115	
			P115D-3	77				.12	NO		113	
B 323	1		J26-G*	3				.22	NO		115	
			P115D-5	77				.12	NO		113	
B 324	1		J26-I*	3				.22	NO		115	
			P114D-21	37				.12	NO		113	
B 325	1		J26-F*	3				.22	NO		115	
			P114D-23	37				.12	NO		113	
B 326	1		J26-GG	3				.22	NO		115	
			P114D-27	37				.12	NO		113	
B 327	1		J26-HH	3				.22	NO		115	
			P114D-29	37				.12	NO		113	
B 328	8				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 328B	1		P115D-16	77				.12	NO		138	
			SHLD B328					.25	NO			
B 328L			J26-U*	3				.22	NO		115	
			P115D-16	77				.12	NO			
B 328R			J26-T*	3				.22	NO		115	
			P115D-15	77				.12	NO		113	
B 329	1		J26-S*	3				.22	NO		115	
			P99-P	186				.22	NO		115	
B 330	1		J26-X*	3				.22	NO		115	
			P34-C	188				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 331	1		J26-Y*	3				.22	NO		115	
			P34-B	188				.22	NO		115	
B 332	1		J26-Z*	3				.22	NO		115	
			P34-E	188				.22	NO		115	
B 333	1		J26-CC	3				.22	NO		115	
			P34-G	188				.22	NO		115	
B 334	1		J26-R*	3				.22	NO		115	
			P34-E*	188				.22	NO		115	
B 335	1		J26-W*	3				.22	NO		115	
			P99-F	186				.22	NO		115	
B 336	2		J26-BB	3				.22	NO		127	
			TB8-4	212				.20	NO		74	
B 337	1		J26-V*	3				.22	NO		115	
			P34-G*	188				.22	NO		115	
B 338	1		J26-FF	3				.22	NO		115	
			P129F-7	23F				.12	NO		113	
B 339	1		J26-B	3				.22	NO		115	
			P114D-32	37				.12	NO		113	
B 340	2		J26-C	3				.22	NO		127	
			TB7-6	220				.20	NO		74	
B 341	2		J26-D	3				.22	NO		127	
			TB8-5	211				.20	NO		74	
B 342	3		J26-EE	3				.22	NO		115	
			P129F-5	23F				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 343	1		J26-K*	3				.22	NO		115	
			P98-BB	187				.22	NO		115	
B 344	1		J26-K*	3				.22	NO		115	
			P37-A*	251				.22	NO		115	
B 345	10				2.25	2.00				A,7	120	
					4.00	3.70				A,6B	120,119	
B 345B	1		P1140-31	37				.12	NO		113	
			SHLD B345					.25	NO			
B 345L			J26-M	3				.22	NO		115	
			P1140-10	37				.12	NO		113	
B 345R			J26-L	3				.22	NO		115	
			P1140-9	37				.12	NO		113	
B 347	1		J26-M*	3				.22	NO		115	
			P1140-16	37				.12	NO		113	
B 348	1		J26-P*	3				.22	NO		115	
			P1140-28	37				.12	NO		113	
B 349	1		J26-N*	3				.22	NO		115	
			P1150-4	77				.12	NO		113	
B 350	1		J26-DD	3				.22	NO		115	
			P129F-3	23F				.12	NO		113	
B 351	143				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,121	
B 351B	1		E313-B	4				.25	NO			
			SHLD B351					.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 351L			J27-B	1				.22	NO		114	
			P26-E	194				.22	NO		115	
B 351R			J27-C	1				.22	NO		114	
			P26-D	194				.22	NO		115	
B 351Y			J27-A	1				.22	NO		114	
			P26-F	194				.22	NO		115	
B 352	1		J27-D	1				.22	NO		114	
			P26-G	194				.22	NO		115	
B 353	1		J27-E	1				.22	NO		114	
			P26-H	194				.22	NO		115	
B 354	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 354E			J28-1A	91				.19	NO		130	
			P49-29A	168				.19	NO		132	
B 354X			J28-1B	91								
			P49-29B	168								
B 355	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 355E			J28-2A	91				.19	NO		130	
			P49-14A	168				.19	NO		132	
B 355X			J28-2B	91								
			P49-14B	168								
B 356	118				.52	.31					128,129,120	
					.38	.19					128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 356E			J28-3A	91				.19	NO		130	
			P49-28A	168				.19	NO		132	
B 356X			J28-3B	91								
			P49-28B	168								
B 357	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 357E			J28-4A	91				.19	NO		130	
			P49-30A	168				.19	NO		132	
B 357X			J28-4B	91								
			P49-30B	168								
B 358	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 358E			J28-5A	91				.19	NO		130	
			P49-46A	168				.19	NO		132	
B 358X			J28-5B	91								
			P49-46B	168								
B 359	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 359E			J28-6A	91				.19	NO		130	
			P49-48A	168				.19	NO		132	
B 359X			J28-6B	91								
			P49-48B	168								
B 360	118				.52	.31					128,129,120	
					.38	.19					128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 360E			J28-7A	91				.19	NO		130	
			P49-3A	168				.19	NO		132	
B 360X			J28-7B	91								
			P49-3B	168								
B 361	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 361E			J28-8A	91				.19	NO		130	
			P49-9A	168				.19	NO		132	
B 361X			J28-8B	91								
			P49-9B	168								
B 362	118				.52	.31					128,129,120	
					.52	.23					120, 97, 98	
B 362E			J28-9A	91				.19	NO		130	
			P128A-16A	171				.11	NO		96	
B 362X			J28-9B	91								
			P128A-16B	171								
B 363	118				.52	.31					128,129,120	
					.52	.23					120, 97, 98	
B 363E			J28-10A	91				.19	NO		130	
			P128A-18A	171				.11	NO		96	
B 363X			J28-10B	91								
			P128A-18B	171								
B 364	118				.52	.31					128,129,120	
					4.00	3.75				B,6A	119,124,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 364B	1		P16-0*	199				.22	NO		114	
			SHLD B364					.25	NO			
B 364E			J28-11A	91				.19	NO		130	
			P16-P*	199				.22	NO		114	
B 364X			J28-11B	91								
			SHLD B364									
B 365	118				.52	.31					128,129,120	
					4.00	3.75				B,6A	119,124,120	
B 365B	1		P16-V*	199				.22	NO		114	
			SHLD B365					.25	NO			
B 365E			J28-12A	91				.19	NO		130	
			P16-U*	199				.22	NO		114	
B 365X			J28-12B	91								
			SHLD B365									
B 366	118				.52	.31					128,129,120	
					.52	.23					120, 97, 98	
B 366E			J28-13A	91				.19	NO		130	
			P128A-17A	171				.11	NO		96	
B 366X			J28-13B	91								
			P128A-17B	171								
B 367	118				.52	.31					128,129,120	
					4.00	3.75				B,6A	119,124,120	
B 367B	1		P17-T	200				.22	NO		115	
			SHLD B367					.25	NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 367E			J28-14A	91				.19	NO		130	
			P17-S	200				.22	NO		115	
B 367X			J28-14B	91								
			SHLD B367									
B 368	118				.52	.31					128,129,120	
					4.00	3.75				B,6A	119,124,120	
B 368B	1		P16-EE	199				.22	NO		114	
			SHLD B368					.25	NO			
B 368E			J28-15A	91				.19	NO		130	
			P16-DD	199				.22	NO		114	
B 368X			J28-15B	91								
			SHLD B368									
B 369	118				.52	.31					128,129,120	
					4.00	3.75				B,6A	119,124,120	
B 369B	1		P16-X*	199				.22	NO		114	
			SHLD B369					.25	NO			
B 369E			J28-16A	91				.19	NO		130	
			P16-W*	199				.22	NO		114	
B 369X			J28-16B	91								
			SHLD B369									
B 370	118				.52	.31					128,129,120	
					4.00	3.75				B,6B	119,120	
B 370B	1		P27-S*	185				.22	NO		115	
			SHLD B370					.25	NO			

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CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 64 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 370E			J28-17A	91				.19	NO		130	
			P27-R*	185				.22	NO		115	
B 370X			J28-17B	91								
			SHLD B370									
B 371	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 371E			J29-1A	92				.19	NO		130	
			P60-32A	122				.19	NO		132	
B 371X			J29-1B	92								
			P60-32B	122								
B 372	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 372E			J29-2A	92				.19	NO		130	
			P60-33A	122				.19	NO		132	
B 372X			J29-2B	92								
			P60-33B	122								
B 373	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 373E			J29-3A	92				.19	NO		130	
			P60-34A	122				.19	NO		132	
B 373X			J29-3B	92								
			P60-34B	122								
B 374	118				.52	.31					128,129,120	
					.38	.19					128,131,120	

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CODE IDENT NO. 99974
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SCALE-NONE
REV LTR H
SHEET 65 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 374E			J29-4A	92				.19	NO		130	
			P60-4A	122				.19	NO		132	
B 374X			J29-4B	92								
			P60-4B	122								
B 375	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 375E			J29-5A	92				.19	NO		130	
			P60-5A	122				.19	NO		132	
B 375X			J29-5B	92								
			P60-5B	122								
B 376	118				.52	.31					128,129,120	
					.38	.19					128,131,120	
B 376E			J29-6A	92				.19	NO		130	
			P60-6A	122				.19	NO		132	
B 376X			J29-6B	92								
			P60-6B	122								
B 377	7				4.00	3.75				B,6B	120,119	
					4.00	3.75				B,6B	120,119	
B 377A	1		SHLD B377					.25	NO			
			J30-3	90				.19	NO		133	
B 377B	1		P119D-31	53				.12	NO		138	
			SHLD B377					.25	NO			
B 377L			J30-2	90				.19	NO		133	
			P119D-22	53				.12	NO		113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 377R			J30-1 P119D-21	90 53				.19 .12	NO NO		133 113	
B 378	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 378A	1		SHLD B378 J30-6	 90				.25 .19	NO NO		 133	
B 378B	1		P119D-31 SHLD B378	53				.12 .25	NO NO			
B 378L			J30-5 P119D-24	90 53				.19 .12	NO NO		133 113	
B 378R			J30-4 P119D-23	90 53				.19 .12	NO NO		133 113	
B 379	118				.52 .38	.31 .19					128,129,120 128,131,120	
B 379E			J30-7A P60-38A	90 122				.19 .19	NO NO		130 132	
B 379X			J30-7B P60-38B	90 122								
B 380	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 380B	1		E315-B SHLD B380	172				.25 .25	NO NO			
B 380L			P1-C P91-C*	193 173				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 380R			P1-F P91-C	193 173				.22 .22	NO NO		115 115	
B 381	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 381B	1		E315-B SHLD B381	172				.25 .25	NO NO			
B 381L			P1-R P91-E*	193 173				.22 .22	NO NO		115 115	
B 381R			P1-G P91-E	193 173				.22 .22	NO NO		115 115	
B 382	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 382B	1		E315-B SHLD B382	172				.25 .25	NO NO			
B 382L			P1-U P91-G*	193 173				.22 .22	NO NO		115 115	
B 382R			P1-K P91-G	193 173				.22 .22	NO NO		115 115	
B 383	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 383B	1		P117A-31 SHLD B383	36				.12 .25	NO NO		138	
B 383L			P1-D P117A-6	193 36				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 383R			P1-B P117A-5	193 36				.22 .12	NO NO		115 113	
B 384	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 384B	1		TB6-6 SHLD B384	240				.20 .25	NO NO		74	
B 384L			P2-E TB6-6	192 240				.22 .20	NO NO		117 74	
B 384R			P2-D TB6-9	192 243				.22 .20	NO NO		117 74	
B 385	2		P2-A P126F-27	192 30				.22 .22	NO NO		117 138	
B 386	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 386B	1		E315-B SHLD B386	172				.25 .25	NO NO			
B 386L			P3-C P91-K*	149 173				.22 .22	NO NO		115 115	
B 386R			P3-F P91-K	149 173				.22 .22	NO NO		115 115	
B 387	1				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 387B	1		E315-B SHLD B387	172				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 387L			P3-R P91-N*	149 173				.22 .22	NO NO		115 115	
B 387R			P3-G P91-N	149 173				.22 .22	NO NO		115 115	
B 388	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 388B	1		E315-B SHLD B388	172				.25 .25	NO NO			
B 388L			P3-U P91-R*	149 173				.22 .22	NO NO		115 115	
B 388R			P3-K P91-R	149 173				.22 .22	NO NO		115 115	
B 389	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 389B	1		P117A-31 SHLD B389	36				.12 .25	NO NO			
B 389L			P3-D P117A-10	149 36				.22 .12	NO NO		115 113	
B 389R			P3-B P117A-9	149 36				.22 .12	NO NO		115 113	
B 390	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 390B	1		TB6-5 SHLD B390	239				.20 .25	NO NO		74	

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 390L			P4-F T86-5	148 239				.22 .20	NO NO		117 74	
B 390R			P4-D T86-8	148 242				.22 .20	NO NO		117 74	
B 391	2		P4-A P126E-31	148 31				.22 .22	NO NO		117 138	
B 392	2		P5-V* T89-3	110 101				.22 .20	NO NO		126 74	
B 393	2		P5-BB T89-1	110 103				.22 .20	NO NO		126 74	
B 394	1		P5-S* P64-GG	110 134				.22 .22	NO NO		114 115	
B 395	1		P5-FF P64-V*	110 134				.22 .22	NO NO		114 115	
B 396	1		P5-CC P64-W*	110 134				.22 .22	NO NO		114 115	
B 397	1		P5-DD P64-X*	110 134				.22 .22	NO NO		114 115	
B 398	1		P5-W* P64-Y*	110 134				.22 .22	NO NO		114 115	
B 399	1		P5-Y* P64-Z*	110 134				.22 .22	NO NO		114 115	
B 400	1		P5-AA P64-AA	110 134				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 71 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 401	1		P5-C P41-B	110 107				.22 .22	NO NO		114 115	
B 402	1		P5-D P41-C	110 107				.22 .22	NO NO		114 115	
B 403	1		P5-E P41-D	110 107				.22 .22	NO NO		114 115	
B 404	1		P5-H P39-LL	110 105				.22 .22	NO NO		114 115	
B 405	1		P5-J P39-MM	110 105				.22 .22	NO NO		114 115	
B 406	1		P5-K P39-NN	110 105				.22 .22	NO NO		114 115	
B 407	1		P5-L P39-PP	110 105				.22 .22	NO NO		114 115	
B 408	1		P5-P P39-GG	110 105				.22 .22	NO NO		114 115	
B 409	1		P5-R P39-HH	110 105				.22 .22	NO NO		114 115	
B 410	1		P5-S P39-JJ	110 105				.22 .22	NO NO		114 115	
B 411	1		P5-T P39-KK	110 105				.22 .22	NO NO		114 115	
B 412	1		P5-W P39-CC	110 105				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 72 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 413	1		P5-X P39-DD	110 105				.22 .22	NO NO		114 115	
B 414	1		P5-Y P39-EE	110 105				.22 .22	NO NO		114 115	
B 415	1		P5-Z P39-FF	110 105				.22 .22	NO NO		114 115	
B 416	1		P5-B* P39-Y*	110 105				.22 .22	NO NO		114 115	
B 417	1		P5-C* P39-Z*	110 105				.22 .22	NO NO		114 115	
B 418	1		P5-D* P39-AA	110 105				.22 .22	NO NO		114 115	
B 419	1		P5-E* P39-BB	110 105				.22 .22	NO NO		114 115	
B 420	1		P5-G* P39-U*	110 105				.22 .22	NO NO		114 115	
B 421	1		P5-H* P39-V*	110 105				.22 .22	NO NO		114 115	
B 422	1		P5-I* P39-W*	110 105				.22 .22	NO NO		114 115	
B 423	1		P5-J* P39-X*	110 105				.22 .22	NO NO		114 115	
B 424	1		P5-R* P39-S*	110 105				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 73 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 425	1		P5-S* P39-P*	110 105				.22 .22	NO NO		114 115	
B 426	1		P5-P* P39-T*	110 105				.22 .22	NO NO		114 115	
B 427	1		P5-U* P39-Q*	110 105				.22 .22	NO NO		114 114	
B 428	1		P5-B P116A-19	110 58				.22 .12	NO NO		114 113	
B 429	1		P5-T* P116A-20	110 58				.22 .12	NO NO		114 113	
B 430	118				.52 .52	.23 .23				A,10 A,10	92, 94,120 92, 94,120	
B 430E			P7-D1 P93-B1	108 130				.11 .11	NO NO		90 90	
B 430X			P7-D2 P93-B2	108 130								
B 431	118				.52 4.00	.23 3.75				A.10 B,6B	92, 94,120 119,120	
B 431B	1		P63-CC SHLD B431	137				.22 .25	NO NO		115	
B 431E			P7-F1 P63-DD	108 137				.11 .22	NO NO		90 115	
B 431X			P7-F2 SHLD B431	108								

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 74 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 432	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 432E			P7-A1 P69-A1	108 136				.11 .11	NO NO		90 90	
B 432X			P7-A2 P69-A2	108 136								
B 433	118				.52 .52	.23 .23				A,10 A,10	92, 94 92, 94	
B 433E			P7-B1 P93-A1	108 130				.11 .11	NO NO		90 90	
B 433X			P7-B2 P93-A2	108 130								
B 434	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 434B	1		P17-A* SHLD B434	200				.22 .25	NO NO		115	
B 434E			P7-C1 P17-B*	108 200				.11 .22	NO NO		90 115	
B 434X			P7-C2 SHLD B434	108								
B 435	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 435B	1		TB9-10 SHLD B435	96				.20 .25	NO NO		74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 435L			P8-E TB9-10	109 96				.22 .20	NO NO		117 74	
B 435R			P8-D TB9-7	109 99				.22 .20	NO NO		117 74	
B 436	2		P8-A P126F-26	109 30				.22 .22	NO NO		117 138	
B 437	1		P11-M* P24-R*	250 196				.22 .22	NO NO		114 115	
B 438	1		P11-K* P24-P*	250 196				.22 .22	NO NO		114 115	
B 439	1		P11-N* P24-S*	250 196				.22 .22	NO NO		114 115	
B 440	2		P11-T* P126F-30	250 30				.22 .22	NO NO		126 138	
B 441	1		P11-D* P111D-3	250 41				.22 .12	NO NO		114 113	
B 442	1		P11-E* P110D-29	250 60				.22 .22	NO NO		114 113	
B 443	1		P11-F* P111D-9	250 41				.22 .12	NO NO		114 113	
B 444	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 444B	1		P111D-31 SHLD B444	41				.12 .25	NO NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 444L			P11-C* P111D-4	250 41				.22 .12	NO NO		114 113	
B 444R			P11-G* P111D-5	250 41				.22 .12	NO NO		114 113	
B 445	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 445A	1		SHLD B445 E338-B	8				.25 .25	NO NO			
B 445L			J19-W P11-Z*	7 250				.22 .22	NO NO		116 126	
B 445R			J19-U P11-Q*	7 250				.22 .22	NO NO		116 126	
B 446	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 446A	1		SHLD B446 E338-B	8				.22 .25	NO NO		116	
B 446L			E339B P11-L	8A 250				.25 .22	NO NO		 126	
B 446R			J19-E* P11-M	7 250				.22 .22	NO NO		116 126	
B 447	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 447A	1		SHLD B447 E338-B	8				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 447L			J19-R* P11-P	7 250				.22 .22	NO NO		116 126	
B 447R			J19-Q* P11-N	7 250				.22 .22	NO NO		116 126	
B 449	1		P11-Y P129E-25	7 23E				.22 .12	NO NO		114 113	
B 450	1		P11-Z P129E-26	7 23E				.22 .12	NO NO		114 113	
B 451	1		P11-U* P130F-9	7 22F				.22 .12	NO NO		114 113	
B 452	1		P11-V* P130F-10	7 22F				.22 .12	NO NO		114 113	
B 453	1		P11-BB P111A-21	7 42				.22 .12	NO NO		114 113	
B 454	1		P11-CC P111A-22	7 42				.22 .12	NO NO		114 113	
B 455	1		P11-D P34-F*	7 188				.22 .22	NO NO		114 115	
B 456	1		P11-E P130E-5	7 22E				.22 .12	NO NO		114 113	
B 457	118				.50 .38	.31 .19					120 128,131,120	
B 457E			P13-1 P62-46A	143 125				.11 .19	NO NO		 132	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 457X			P13-2 P62-46B	143 125								
B 458	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 458A	1		SHLD B458 P14-T	197				.25 .22	NO NO		114	
B 458E			P14-S P127B-9A	197 170B				.22 .11	NO NO		114 96	
B 458X			SHLD B458 P127B-9B	170B								
B 459	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 459A	1		SHLD B459 P14-G*	197				.25 .22	NO NO		114	
B 459E			P14-F* P127B-14A	197 170B				.22 .11	NO NO		114 96	
B 459X			SHLD B459 P127B-14B	170B								
B 460	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 460A	1		SHLD B460 P14-R	197				.25 .22	NO NO		114	
B 460E			P14-P P127B-12A	197 170B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 79 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 460X			SHLD B460 P127B-12B	170B								
B 461	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 461A	1		SHLD B461 P14-S*	197				.25 .22	NO NO		114	
B 461E			P14-U* P127B-17A	197 170B				.22 .11	NO NO		114 96	
B 461X			SHLD B461 P127B-17B	170B								
B 462	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 462A	1		SHLD B462 P14-E	197				.25 .22	NO NO		114	
B 462E			P14-D P128B-8A	197 171				.22 .11	NO NO		114 96	
B 462X			SHLD B462 P128B-8B	171								
B 463	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 463A	1		SHLD B463 P14-X*	197				.25 .22	NO NO		114	
B 463E			P14-R* P127B-19A	197 170B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 80 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 463X			SHLD B463 P127B-19B	170B								
B 464	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 464A	1		SHLD B464 P14-GG	197				.25 .22	NO NO		114	
B 464E			P14-FF P128B-13A	197 170B				.22 .11	NO NO		114 96	
B 464X			SHLD B464 P128B-13B	170B								
B 465	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 465A	1		SHLD B465 P14-HH	197				.25 .22	NO NO		114	
B 465E			P14-CC P128B-11A	197 170B				.22 .11	NO NO		114 96	
B 465X			SHLD B465 P128B-11B	167B								
B 466	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 466A	1		SHLD B466 P14-EE	197				.25 .22	NO NO		114	
B 466E			P14-DD P128B-12A	197 167B				.22 .11	NO NO		114 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 81 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 466X			SHLD B466 P128B-12B	167B								
B 467	1		P14-E* P115A-24	197 78				.22 .12	NO NO		114 113	
B 468	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 468A	1		SHLD B468 P14-A*	197				.25 .22	NO NO		114	
B 468E			P14-B* P128B-9A	197 167B				.22 .11	NO NO		114 96	
B 468X			SHLD B468 P128B-9B	167B								
B 469	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 469A	1		SHLD B468 P14-N	197				.25 .22	NO NO		114	
B 469F			P14-M P128B-1A	197 167B				.22 .11	NO NO		114 96	
B 469X			SHLD B469 P128B-1B	167B								
B 470	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 470A	1		SHLD B470 P14-B	197				.25 .22	NO NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 82 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 470E			P14-C P128B-4A	197 167B				.22 .11	NO NO		114	
B 470X			SHLD B470 P128B-4B	 167B								
B 471	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 471A	1		SHLD B471 P14-K*	 197				.25 .22	NO NO		 114	
B 471E			P14-J* P128B-5A	197 167B				.22 .11	NO NO		114 96	
B 471X			SHLD B471 P128B-5B	 167B								
B 472	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 472A	1		SHLD B472 P14-Q*	 197				.25 .22	NO NO		 114	
B 472E			P14-P* P128B-2A	197 167B				.22 .11	NO NO		114 96	
B 472X			SHLD B472 P128B-2B	 167B								
B 473	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 473A	1		SHLD B473 P14-M*	 197				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 83 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 473E			P14-N* P128B-3A	197 167B				.22 .11	NO NO		114 96	
B 473X			SHLD B473 P128B-3B	 167B								
B 474	118				4.00 .38	3.75 .19				8,68	119,120 128,131,120	
B 474A	1		SHLD B474 P14-W	 197				.25 .22	NO NO		 114	
B 474E			P14-X P49-25A	197 168				.22 .19	NO NO		114 132	
B 474X			SHLD B474 P49-25B	 168								
B 475	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 475A	1		SHLD B475 P15-I*	 198				.25 .22	NO NO		 114	
B 475E			P15-H* P127B-10A	198 167B				.22 .11	NO NO		114 96	
B 475X			SHLD B475 P127B-10B	 167B								
B 476	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 476A	1		SHLD B475 P15-V	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 84 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 476E			P15-U P127B-11A	198 167B				.22 .11	NO NO		114 96	
B 476X			SHLD B476 P127B-11B	 167B								
B 477	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 477A	1		SHLD B477 P15-G*	 198				.25 .22	NO NO		 114	
B 477E			P15-F* P127B-13A	198 167B				.22 .11	NO NO		114 96	
B 477X			SHLD B477 P127B-13B	 167B								
B 478	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 478A	1		SHLD B478 P15-T	 198				.25 .22	NO NO		 114	
B 478E			P15-S P127B-1A	198 170B				.22 .11	NO NO		114 96	
B 478X			SHLD B478 P127B-1B	 170B								
B 479	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 479A	1		SHLD B479 P15-P	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 85 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 479E			P15-R P127B-2A	198 170B				.22 .11	NO NO		114 96	
B 479X			SHLD B479 P127B-2B	 170B								
B 480	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 480A	1		SHLD B480 P15-D	 198				.25 .22	NO NO		 114	
B 480E			P15-E P127B-3A	198 170B				.22 .11	NO NO		114 96	
B 480X			SHLD B479 P127B-3B	 170B								
B 481	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 481A	1		SHLD B481 P15-H	 198				.25 .22	NO NO		 114	
B 481E			P15-J P127B-4A	198 170B				.22 .11	NO NO		114 96	
B 481X			SHLD B481 P127B-4B	 170B								
B 482	118				4.00 .52	3.75 .23				8,68	119,120 120, 97, 98	
B 482A	1		SHLD B482 P15-B	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 86 OF 209

WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 482E			P15-C P127B-5A	198 170B				.22 .11	NO NO		114 96	
B 482X			SHLD B482 P127B-5B	 170B								
B 483	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 483A	1		SHLD B483 P15-M	 198				.25 .22	NO NO		 114	
B 483E			P15-N P127B-6A	198 170B				.22 .11	NO NO		114 96	
B 483X			SHLD B483 P127B-6B	 170B								
B 484	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 484A	1		SHLD B484 P15-EE	 198				.25 .22	NO NO		 114	
B 484E			P15-FF P127B-18A	198 170B				.22 .11	NO NO		114 96	
B 484X			SHLD B484 P127B-18B	 170B								
B 485	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 485A	1		SHLD B485 P15-Y*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 87 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 485E			P15-Z* P127B-21A	198 170B				.22 .11	NO NO		114 96	
B 485X			SHLD B485 P127B-21B	 170B								
B 486	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 486A	1		SHLD B486 P15-AA	 198				.25 .22	NO NO		 114	
B 486E			P15-BB P127B-24A	198 170B				.22 .11	NO NO		114 96	
B 486X			SHLD B486 P127B-24B	 170B								
B 487	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 487A	1		SHLD B487 P15-CC	 198				.25 .22	NO NO		 114	
B 487F			P15-DD P127B-20A	198 170B				.22 .11	NO NO		114 96	
B 487X			SHLD B487 P127B-20B	 170B								
B 488	118				4.00 .52	3.75 .23				B,6D	119,120 120, 97, 98	
B 488A	1		SHLD B488 P15-B*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 88 OF 209

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WIRING HARNESS B 2900542 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 488E			P15-A* P128B-10A	198 167B				.25 .11	NO NO		114 96	
B 488X			SHLD B488 P128B-10B	 167B								
B 489	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 489A	1		SHLD B489 P15-G	 198				.25 .22	NO NO		 114	
B 489E			P15-F P49-26A	198 168				.22 .19	NO NO		114 132	
B 489X			SHLD B489 P49-26B	 168								
B 490	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 490A	1		SHLD B490 P15-L	 198				.25 .22	NO NO		 114	
B 490E			P15-K P49-12A	198 168				.22 .19	NO NO		114 132	
B 490X			SHLD B490 P49-12B	 168								
B 491	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 491A	1		SHLD B491 P15-J*	 198				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 89 OF 209

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WIRING HARNESS B 2900542

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 491E			P15-K* P49-24A	198 168				.22 .19	NO NO		114 132	
B 491X			SHLD B491 P49-24B	 168								
B 492	118				4.00 .52	3.75 .31				B,6B	119,120 128,131,120	
B 492A	1		SHLD B491 P15-Q*	 198				.25 .22	NO NO		 114	
B 492E			P15-P* P49-10A	198 168				.22 .19	NO NO		114 132	
B 492X			SHLD B492 P49-10B	 168								
B 493	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 493A	1		SHLD B493 P15-M*	 198				.25 .22	NO NO		 114	
B 493E			P15-N* P49-11A	198 168				.22 .19	NO NO		114 132	
B 493X			SHLD B493 P49-11B	 168								
B 494	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 494A	1		SHLD B494 P16-V	 199				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR J	SHEET 90 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 494E			P16-U P67-D1	199 132				.22 .11	NO NO		114 90	
B 494X			SHLD B494 P67-D2	 132								
B 495	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 495A	1		SHLD B495 P16-X	 199				.25 .22	NO NO			
B 495E			P16-W P69-E1	199 136				.22 .11	NO NO		114 90	
B 495X			SHLD B495 P69-E2	 136								
B 496	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 496A	1		SHLD B496 P16-Z	 199				.25 .22	NO NO		 114	
B 496E			P16-Y P67-E1	199 132				.22 .11	NO NO		114 90	
B 496X			SHLD B496 P67-E2	 132								
B 497	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 497A	1		SHLD B497 P16-B*	 199				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 91 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 497E			P16-A* P69-F1	199 136				.22 .11	NO NO		114 90	
B 497X			SHLD B497 P69-F2	 136								
B 498	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 498A	1		SHLD B498 P16-N*	 199				.25 .22	NO NO		 114	
B 498E			P16-M* P67-F1	199 132				.22 .11	NO NO		114 90	
B 498X			SHLD B498 P67-F2	 132								
B 499	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 499A	1		SHLD B499 P16-G	 199				.25 .22	NO NO		 114	
B 499E			P16-F P68-A1	199 129				.22 .11	NO NO		114 90	
B 499X			SHLD B499 P68-A2	 129								
B 500	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 500A	1		SHLD B500 P16-J	 199				.25 .22	NO NO		 114	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 92 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 500E			P16-H P70-B1	199 133				.22 .11	NO NO		114 90	
B 500X			SHLD B500 P70-B2	 133								
B 501	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 501A	1		SHLD B501 P16-L	 199				.25 .22	NO NO		 114	
B 501E			P16-K P68-B1	199 129				.22 .11	NO NO		114 90	
B 501X			SHLD B501 P68-B2	 129								
B 502	1		P16-Y* P64-EE	199 134				.22 .22	NO NO		114 115	
B 503	1		P16-AA P64-BB	199 134				.22 .22	NO NO		114 115	
B 504	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 504A	1		SHLD B504 P16-N	 199				.25 .22	NO NO		 114	
B 504E			P16-M P70-C1	199 133				.22 .11	NO NO		114 90	
B 504X			SHLD B504 P70-C2	 133								

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 93 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 505	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 505A	1		SHLD B505 P16-R	 199				.25 .22	NO NO		 114	
B 505E			P16-P P68-C1	199 129				.22 .11	NO NO		114 90	
B 505X			SHLD B505 P68-C2	 129								
B 506	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 506A	1		SHLD B506 P16-D*	 199				.25 .22	NO NO		 114	
B 506E			P16-C* P68-G1	199 129				.22 .11	NO NO		114 90	
B 506X			SHLD B506 P68-G2	 129								
B 507	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 507A	1		SHLD B507 P16-G*	 199				.25 .22	NO NO		 114	
B 507E			P16-F* P70-H1	199 133				.22 .11	NO NO		114 90	
B 507X			SHLD B507 P70-H2	 133								

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 94 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 508	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 508A	1		SHLD B508 P16-C	 199				.25 .22	NO NO		 114	
B 508E			P16-B P68-H1	199 129				.22 .11	NO NO		114 90	
B 508X			SHLD B508 P68-H2	 129								
B 509	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 509A	1		SHLD B509 P16-E	 199				.25 .22	NO NO			
B 509E			P16-D P70-J1	199 133				.22 .11	NO NO		114 90	
B 509X			SHLD B509 P70-J2	 133								
B 510	1		P16-CC P115A-23	199 78				.22 .12	NO NO		114 113	
B 511	1		P16-V P16-X	199 199				.22 .22	NO NO		 114	
B 512	1		P16-B* P16-Z	199 199				.22 .22	NO NO			
B 513	1		P16-N* P17-G	199 200				.22 .22	NO NO		 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 514	1		P16-G P16-J	199 199				.22 .22	NO NO			
B 515	1		P16-L P16-N	199 199				.22 .22	NO NO			
B 516	1		P16-R P17-K*	199 200				.22 .22	NO NO		 115	
B 517	1		P16-D* P16-G*	199 199				.22 .22	NO NO			
B 518	1		P16-C P16-E	199 199				.22 .22	NO NO		114 114	
B 519	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 519A	1		SHLD B519 P16-S*	 199				.25 .22	NO NO		 114	
B 519E			P16-R* P128B-18A	199 167				.22 .11	NO NO		114 96	
B 519X			SHLD B519 P128B-18B	 167						 B,6		
B 520	118				4.00 .52	3.75 .23				B	119,120 120, 97, 98	
B 520A	1		SHLD B520 P16-HH	 199				.25 .22	NO NO		 114	
B 520E			P16-GG P128B-16A	199 167B				.22 .11	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 520X			SHLD B520 P128B-16B	 167B						 B,6		
B 521	118				4.00 .52	3.75 .23				B A,10	119,120 92, 94,120	
B 521A	1		SHLD B521 P17-G	 200				.25 .22	NO NO			
B 521E			P17-F P69-G1	200 136				.22 .11	NO NO		115 90	
B 521X			SHLD B521 P69-G2	 136								
B 522	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 522A	1		SHLD B522 P17-K*	 200				.25 .22	NO NO			
B 522E			P17-J* P70-D1	200 133				.22 .11	NO NO		115 90	
B 522X			SHLD B522 P70-D2	 133								
B 523	2		P17-A P126E-29	200 31				.22 .22	NO NO		127 138	
B 524	1		P17-Y* P130B-1	200 179B				.22 .12	NO NO		115 113	
B 525	1		P17-BB P25-AA	200 195				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 526	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 526B	1		TB6-3 SHLD B526	237				.20 .25	NO NO		74	
B 526L			P17-V TB6-3	200 237				.22 .20	NO NO		115 74	
B 526R			P17-U TB5-7	200 233				.22 .20	NO NO		115 73	
B 527	118				4.00 .52	3.75 .23				B,6B A,10	119,120 92, 94,120	
B 527A	1		SHLD B527 P17-E	 200				.25 .22	NO NO		 115	
B 527E			P17-D P128B-19A	200 167B				.22 .11	NO NO		115	
B 527X			SHLD B527 P128B-19B	 167B								
B 528	118				4.00 .38	3.75 .19				B,6B	119,120 128,131,120	
B 528A	1		SHLD B528 P17-J	 200				.25 .22	NO NO		 115	
B 528E			P17-H P49-41A	200 168				.22 .19	NO NO		115 132	
B 528X			SHLD B528 P49-41B	 168								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 529	118				4.00	3.75				B,6B	119,120	
					.38	.19					128,131,120	
B 529A	1		SHLD B529					.25	NO			
			P17-L	200				.22	NO		115	
B 529F			P17-K	200				.22	NO		115	
			P49-42A	168				.19	NO		132	
B 529X			SHLD B529									
			P49-42B	168								
B 530	118				4.00	3.75				B,6B	119,120	
					.38	.19					128,131,120	
B 530A	1		SHLD B529					.25	NO			
			P17-N	200				.22	NO		115	
B 530E			P17-M	200				.22	NO		115	
			P49-43A	168				.19	NO		132	
B 530X			SHLD B530									
			P49-43B	168								
B 531	118				4.00	3.75				B,6B	120,119	
					.32	.23					120, 97, 98	
B 531A	1		SHLD B531					.25	NO			
			P17-R	200				.22	NO		115	
B 531E			P17-P	200				.22	NO		115	
			P128B-17A	167				.11	NO		96	
B 531X			SHLD B531									
			P128B-17B	167								

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 532	1		P17-M*	200				.22	NO		115	
			P34-PP	188				.22	NO		115	
B 533	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 533B	1		P115D-31	77				.12	NO		113	
			SHLD B533					.25	NO			
B 533L			P19-C	24				.22	NO		114	
			P115D-10	77				.12	NO		113	
B 533R			P19-B	24				.22	NO		114	
			P115D-9	77				.12	NO		113	
B 534	1		P20-BB	201				.22	NO		115	
			P99-R*	186				.22	NO		115	
B 535	1		P20-LL	201				.22	NO		115	
			P99-R	186				.22	NO		115	
B 536	1		P20-FF	201				.22	NO		115	
			P129A-3	174A				.12	NO		113	
B 537	1		P20-MM	201				.22	NO		115	
			P99-J	186				.22	NO		115	
B 538	1		P20-GG	201				.22	NO		115	
			P99-M	186				.22	NO		115	
B 539	1		P20-JJ	201				.22	NO		115	
			P130B-9	179B				.12	NO		113	
B 540	1		P20-KK	201				.22	NO		115	
			P99-W	186				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 100 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 541	3		P20-PP	201				.22	NO		115	
			P115D-32	55				.12	NO		138	
B 542	10				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 542B	1		P116D-32	55				.12	NO		113	
			SHLD B542					.25	NO			
B 542L			P20-Z	201				.22	NO		115	
			P116D-10	55				.12	NO		113	
B 542R			P20-Y	201				.22	NO		115	
			P116D-9	55				.12	NO		113	
B 543	3		P20-CC	201				.22	NO		115	
			P129F-21	23F				.12	NO		113	
B 544	1		P20-A*	201				.22	NO		115	
			P34-D	188				.22	NO		115	
B 545	1		P20-X*	201				.22	NO		115	
			P129F-26	23F				.12	NO		113	
B 546	1		P20-Y*	201				.22	NO		115	
			P129F-25	23F				.12	NO		113	
B 547	1		P20-Z*	201				.22	NO		115	
			P129D-24	174D				.12	NO		113	
B 548	1		P20-AA	201				.22	NO		115	
			P129D-23	174D				.12	NO		113	
B 549	8				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 101 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 549A	1		SHLD B549					.25	NO			
			P21-Y	202				.29	NO		127	
B 549L			P21-Y					.29	NO			
			P23-E	17				.22	NO		117	
B 549R			P21-X	202				.22	NO		115	
			P23-D	17				.22	NO		117	
B 550	8				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	
B 550A	1		SHLD B550					.25	NO			
			P21-A*	202				.29	NO		127	
B 550L			P21-A*	202				.29	NO			
			P23-C	17				.22	NO		117	
B 550R			P21-Z	202				.22	NO		115	
			P23-B	17				.22	NO		117	
B 551	8				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	
B 551A	1		SHLD B551					.25	NO			
			P21-C*	202				.29	NO		127	
B 551L			P21-C*	202				.29	NO			
			P95-E	89				.22	NO		117	
B 551R			P21-B*	202				.22	NO		115	
			P95-D	89				.20	NO		117	
B 552	8				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 102 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 552A	1		SHLD B552 P21-E*	 202				.25 .29	NO NO		 127	
B 552L			P21-E* P95-C	202 89				.29 .22	NO NO			
B 552R			P21-D* P95-B	202 231				.22 .20	NO NO		115 117	
B 553	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 553A	1		SHLD B553 E321-B	 204				.25 .25	NO NO			
B 553L			P21-B P91-U*	202 173				.22 .22	NO NO		115 115	
B 553R			P21-A P91-U	202 173				.22 .22	NO NO		115 115	
B 554	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 554B	1		P117A-32 SHLD B554	36				.12 .25	NO NO		138	
B 554L			P21-G* P117A-16	202 36				.22 .12	NO NO		115 113	
B 554R			P21-F* P117A-15	202 36				.22 .12	NO NO		115 113	
B 555	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 555B	1		P115D-18 SHLD B555	77				.12 .25	NO NO		138	
B 555L			P21-P* P115D-18	202 77				.22 .12	NO NO		115	
B 555R			P21-N* P115D-17	202 77				.22 .12	NO NO		115 113	
B 555Y			P21-Q* P117D-3	202 77				.22 .12	NO NO		115 113	
B 556	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 556A	1		SHLD B556 E321-B	 204				.25 .25	NO NO			
B 556L			P21-V P99-A	202 186				.22 .22	NO NO		115 115	
B 556R			P21-W P99-B	202 186				.22 .22	NO NO		115 115	
B 557	1		P21-U P129B-15	202 174B				.22 .12	NO NO		115 113	
B 558	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 558B	1		E322-B SHLD B558	177				.25 .25	NO NO			
B 558L			P21-D P129B-14	202 174B				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 558R			P21-C P129B-13	202 174B				.22 .12	NO NO		115 113	
B 559	1		P21-V* P129E-27	202 23E				.22 .12	NO NO		115 113	
B 560	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 560B	1		TB6-4 SHLD B560	238				.20 .25	NO NO		74	
B 560L			P22-S TB6-4	205 238				.22 .20	NO NO		117 74	
B 560R			P22-R TB6-8	205 242				.22 .20	NO NO		117 74	
B 561	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 561B	1		TB6-2 SHLD B561	236				.20 .25	NO NO		74	
B 561L			P22-P TB6-2	205 236				.22 .20	NO NO		117 74	
B 561R			P22-N TB5-5	205 232				.22 .20	NO NO		117 73	
B 562	142										120 120	
B 562L			P22-K TB8-9	205 207				.22 .20	NO NO		117 74	

LEAD IDENT	WIRE MATL. ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 562R			P22-J TB7-10	205 216				.22 .20	NO NO		117 74	
B 563	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 563B	1		P115A-16 SHLD B563	78				.12 .22	NO NO			
B 563L			P22-M P115A-16	205 78				.22 .12	NO NO		117 138	
B 563R			P22-L P115A-15	205 78				.22 .12	NO NO		117 113	
B 564	2		P22-A P126F-29	205 30				.22 .22	NO NO		117 138	
B 565	2		P23-A P126E-32	17 31				.22 .22	NO NO		117 138	
B 566	2		P24-EE TB7-1	196 224				.22 .20	NO NO		127 74	
B 567	2		P24-FF TB8-1	196 215				.22 .20	NO NO		127 74	
B 568												
B 568K	1		P24-PP TB6-1	196 235				.22 .20	NO NO		115 74	
B 568L	1		P24-LL TB5-2	196 229				.22 .20	NO NO		115 73	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 568R	1		P24-NN	196				.22	NO		115	
			TB5-1	228				.20	NO		73	
B 568Y	1		P24-MM	196				.22	NO		115	
			TB5-3	230				.20	NO		73	
B 569	1		P24-Q*	196				.22	NO		115	
			P37-E*	38				.22	NO		115	
B 570	8				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	
B 570A	1		SHLD B570					.25	NO			
			TB6-3	237				.20	NO		74	
B 570L			P24-HH	196				.22	NO		115	
			TB6-3	237				.20	NO		74	
B 570R			P24-GG	196				.22	NO		115	
			TB5-6	232				.20	NO		73	
B 571	1		P24-A*	196				.22	NO		115	
			P130B-5	179B				.12	NO		113	
B 572	1		P24-R	196				.22	NO		115	
			P99-Q*	186				.22	NO		115	
B 573	1		P24-P	196				.22	NO		115	
			P99-W*	186				.22	NO		115	
B 574	1		P24-D*	196				.22	NO		115	
			P99-G*	186				.22	NO		115	
B 575	1		P24-I*	196				.22	NO		115	
			P36-H*	181				.22	NO		115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 107 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 576	1		P24-Z*	196				.22	NO		115	
			P92-V	183				.22	NO		115	
B 577	1		P24-Y*	196				.22	NO		115	
			P92-U	183				.22	NO		115	
B 578	1		P24-X*	196				.22	NO		115	
			P92-T	183				.22	NO		115	
B 579	1		P24-BB	196				.22	NO		115	
			P92-R	183				.22	NO		115	
B 580	1		P24-AA	196				.22	NO		115	
			P92-S	183				.22	NO		115	
B 581	1		P24-W*	196				.22	NO		115	
			P96-A*	182				.22	NO		115	
B 582	1		P24-V*	196				.22	NO		115	
			P96-B*	182				.22	NO		115	
B 583	1		P24-U*	196				.22	NO		115	
			P96-C*	182				.22	NO		115	
B 584	1		P24-JJ	196				.22	NO		115	
			P92-X	183				.22	NO		115	
B 585	1		P24-B	196				.22	NO		115	
			P129E-32	23E				.12	NO		113	
B 586	2		P24-A	196				.22	NO		127	
			P126F-31	30				.22	NO		138	
B 587	7				4.00	3.75				B,6B	120,119	
					2.25	2.00				A,7	120	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 108 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 587A	1		SHLD B587					.25	NO			
			P129E-32	23E				.12	NO			
B 587L			P24-K*	196				.22	NO		115	
			P98-X*	187				.22	NO		115	
B 587R			P24-J*	196				.22	NO		115	
			P98-W*	187				.22	NO		115	
B 588	1		P24-CC	196				.22	NO		115	
			P114A-9	38				.12	NO		113	
B 589	1		P24-DD	196				.22	NO		115	
			P114A-10	38				.12	NO		113	
B 590	1		P24-D	196				.22	NO		115	
			P34-Y*	188				.22	NO		115	
B 591	1		P24-C	199				.22	NO		115	
			P130E-3	22E				.12	NO		113	
B 592	1		P24-V	196				.22	NO		115	
			TB4-10	227				.20	NO		73	
B 593	1		P24-Z	196				.22	NO		115	
			P129D-15	174D				.12	NO		113	
B 594	1		P24-G*	196				.22	NO		115	
			P130D-3	179D				.12	NO		113	
B 595	1		P24-M*	196				.22	NO		115	
			P37-D*	251				.22	NO		115	
B 596	1		P24-T*	196				.22	NO		115	
			P130B-7	179B				.12	NO		113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 109 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 597	1		P24-KK	196				.22	NO		115	
			P129A-7	174A				.12	NO		113	
B 598	1		P25-B*	195				.22	NO		115	
			P99-A*	186				.22	NO		115	
B 599	1		P25-C*	195				.22	NO		115	
			P104D-27	70				.12	NO		113	
B 600	1		P25-D*	195				.22	NO		115	
			P104D-28	70				.12	NO		113	
B 601	1		P25-Z	195				.22	NO		115	
			P34-V	188				.22	NO		115	
B 602	3		P25-S	195				.22	NO		115	
			P129A-21	174				.12	NO		113	
B 603	1		P25-W	195				.22	NO		115	
			P90-D	21				.20	YES			
B 604	10				4.00	3.75				B,6A	120,119	
					2.25	2.00				A,7	120	
B 604A	1		SHLD B604					.25	NO			
			E328-B	175				.25	NO			
B 604L			P25-Y	195				.22	NO		115	
			P97-F	116				.22	NO		114	
B 604R			P25-X	195				.22	NO		115	
			P97-E	116				.22	NO		114	
B 605	1		P25-T*	195				.22	NO		115	
			P129A-27	174A				.12	NO		113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 110 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 606	1		P25-CC P61-5	195 123				.22 .19	NO NO		115 134	
B 607	1		P25-DD P121D-29	195 72				.22 .12	NO NO		115 113	
B 608	3		P25-FF P129A-25	195 174A				.22 .12	NO NO		115 113	
B 609	3		P25-GG P129A-26	195 174A				.22 .12	NO NO		115 113	
B 610	3		P25-HH P130C-9	195 179C				.22 .12	NO NO		115 113	
B 611	3		P25-JJ P130C-10	195 179C				.22 .12	NO NO		115 113	
B 612	3		P25-KK P129A-24	195 174A				.22 .12	NO NO		115 113	
B 613	3		P25-LL P129A-23	195 174A				.22 .12	NO NO		115 113	
B 614	1		P25-MM P27-GG	195 185				.22 .22	NO NO		115 115	
B 615	140										120 120	
B 615L			P26-V P129E-20	194 23E				.22 .12	NO NO		115 113	
B 615R			P26-U P129E-19	194 23E				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 111 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 616	1		P25-BB P115D-22	195 78				.22 .12	NO NO		115 113	
B 617	118				4.00 .52	3.75 .23				B,6B A,10	120,119 92, 94	
B 617A	1		SHLD B617 P26-S	 194				.25 .22	NO NO		 115	
B 617E			P26-R P93-F1	194 130				.22 .11	NO NO		115 90	
B 617X			SHLD B617 P93-F2	 130								
B 618	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 618B	1		P120D-31 SHLD B618	33				.22 .25	NO NO		113	
B 618L			P26-MM P120D-8	194 33				.22 .12	NO NO		115 113	
B 618R			P26-LL P120D-7	194 33				.22 .12	NO NO		115 113	
B 619	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 619B	1		P104D-31 SHLD B619	68				.12 .25	NO NO		113	
B 619L			P26-I* P104D-16	194 68				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 112 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 619R			P26-H* P104D-15	194 68				.22 .12	NO NO		115 113	
B 620	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 620B	1		P109D-31 SHLD B620	79				.12 .25	NO NO		113	
B 620L			P26-P P109D-20	194 79				.22 .12	NO NO		115 113	
B 620R			P26-N P109D-19	194 79				.22 .12	NO NO		115 113	
B 621	143				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 621A	1		SHLD B621 E313-B	. 4				.25 .25	NO NO			
B 621L			P26-B P37-KK	194 251				.22 .22	NO NO		115 115	
B 621R			P26-A P37-LL	194 251				.22 .22	NO NO		115 115	
B 621Y			P26-C P37-JJ	194 251				.22 .22	NO NO		115 115	
B 622	1		P26-BB P110A-19	194 63				.22 .12	NO NO		115 113	
B 623	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 113 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 623B	1		E300-B SHLD B623	43				.25 .25	NO NO			
B 623L			P26-X P108A-18	194 46				.22 .12	NO NO		115 113	
B 623R			P26-W P108A-17	194 46				.22 .12	NO NO		115 113	
B 624			DELETED									
B 625	1		P26-U* P102A-1	194 50				.22 .12	NO NO		115 113	
B 626	1		P27-H* P48-R*	185 169				.22 .22	NO NO		115 115	
B 627	1		P27-I* P48-S*	185 169				.22 .22	NO NO		115 115	
B 628	1		P27-J* P48-R	185 169				.22 .22	NO NO		115 115	
B 629	1		P27-K* P48-S	185 169				.22 .22	NO NO		115 115	
B 630	1		P27-M* P48-V	185 169				.22 .22	NO NO		115 115	
B 631	1		P27-N* P48-W	185 169				.22 .22	NO NO		115 115	
B 632	1		P27-P* P48-Q*	185 169				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 114 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 633	1		P27-Q* P48-DD	185 169				.22 .22	NO NO		115 115	
B 634	1		P27-T* P48-M*	185 169				.22 .22	NO NO		115 115	
B 635	1		P27-U* P48-P*	185 169				.22 .22	NO NO		115 115	
B 636	118				4.00 .52	3.75 .23				B,6B	119,120 120, 97, 98	
B 636A	1		SHLD B636 P27-W*	 185				.25 .22	NO NO		 115	
B 636E			P27-V* P126A-19A	185 171				.22 .11	NO NO		115 96	
B 636X			SHLD B636 P126A-19B	 171								
B 637	1		P27-JJ P130B-3	185 179B				.22 .12	NO NO		115 113	
B 638	1		P27-LL P48-HH	185 169				.22 .22	NO NO		115 115	
B 639	1		P27-MM P48-PP	185 169				.22 .22	NO NO		115 115	
B 640	1		P27-NN P130D-1	185 179D				.22 .12	NO NO		115 113	
B 641	1		P27-PP P31-LL	185 191				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 642	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 642B	1		E323-B SHLD B642	128				.25 .25	NO NO			
B 642L			P28-C P65-M*	113 131				.22 .22	NO NO		115 115	
B 642R			P28-B P65-M	113 131				.22 .22	NO NO		115 115	
B 643	1		P28-D P130D-32	113 84				.22 .12	NO NO		115 138	
B 644	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 644B	1		E334-B SHLD B644	124				.25 .25	NO NO			
B 644L			P29-C P116A-26	111 58				.22 .12	NO NO		115 113	
B 644R			P29-B P116A-25	111 58				.22 .12	NO NO		115 113	
B 645	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 645B	1		E334-B SHLD B645	56				.25 .25	NO NO			
B 645L			P29-G P116A-8	111 58				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 645R			P29-F P116A-7	111 58				.22 .12	NO NO		115 113	
B 646	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 646B	1		E306-B SHLD B646	57				.25 .25	NO NO			
B 646L			P29-E P116A-14	111 58				.22 .12	NO NO		115 113	
B 646R			P29-D P116A-13	111 58				.22 .12	NO NO		115 113	
B 647	9				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 647B	1		TB9-9 SHLD B647	97.				.20 .25	NO NO		74	
B 647L			P30-E TB9-9	112 97				.22 .20	NO NO		117 74	
B 647R			P30-D TB9-6	112 100				.22 .20	NO NO		117 74	
B 648	2		P30-A P126E-30	112 30				.22 .22	NO NO		117 138	
B 649	1		P31-MM P99-C*	191 186				.22 .22	NO NO		115 115	
B 650	1		P31-NN P99-H*	191 186				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 651	1		P31-V* P99-D*	191 186				.22 .22	NO NO		115 115	
B 652	1		P31-W* P99-J*	191 186				.22 .22	NO NO		115 115	
B 653	1		P31-HH P99-E*	191 186				.22 .22	NO NO		115 115	
B 654	1		P31-JJ P99-I*	191 186				.22 .22	NO NO		115 115	
B 655	1		P31-BB P98-K	191 187				.22 .22	NO NO		115 115	
B 656	3		P31-X* P99-DD	191 186				.22 .22	NO NO		115 115	
B 657	1		P31-Q* P98-B	191 187				.22 .22	NO NO		115 115	
B 658	1		P31-D P98-A	191 187				.22 .22	NO NO		115 115	
B 659	1		P31-J* P34-W*	191 188				.22 .22	NO NO		115 115	
B 660	1		P31-H* P34-P*	191 188				.22 .22	NO NO		115 115	
B 661	1		P31-G* P34-T*	191 188				.22 .22	NO NO		115 115	
B 662	1		P31-A P98-E*	191 187				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 663	1		P31-B* P98-F*	191 187				.22 .22	NO NO		115 115	
B 664	1		P31-A* P34-K*	191 188				.22 .22	NO NO		115 115	
B 665	1		P31-Z P34-U*	191 188				.22 .22	NO NO		115 115	
B 666	1		P31-Y P98-D*	191 187				.22 .22	NO NO		115 115	
B 667	1		P31-J P34-X*	191 188				.22 .22	NO NO		115 115	
B 668	1		P31-T P98-M	191 187				.22 .22	NO NO		115 115	
B 669	1		P31-S P98-Y	191 187				.22 .22	NO NO		115 115	
B 670	1		P31-L P98-X	191 187				.22 .22	NO NO		115 115	
B 671	1		P31-B P98-Z	191 187				.22 .22	NO NO		115 115	
B 672	1		P31-W P98-B*	191 187				.22 .22	NO NO		115 115	
B 673	1		P31-V P98-A*	191 187				.22 .22	NO NO		115 115	
B 674	1		P31-P* P130F-1	191 22F				.22 .22	NO NO		115 115	

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CODE IDENT NO. 99974
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SCALE-NONE
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 675	1		P31-GG P36-V	191 184				.22 .22	NO NO		115 115	
B 676	1		P31-DD P92-D*	191 183				.22 .22	NO NO		115 115	
B 677	1		P31-KK P92-E*	191 183				.22 .22	NO NO		115 115	
B 678	1		P31-E P92-C*	191 183				.22 .22	NO NO		115 115	
B 679	1		P31-PP P92-J*	191 183				.22 .22	NO NO		115 115	
B 680	3		P31-M E301-B	191 39				.22 .25	NO NO		115	
B 681	1		P31-P P98-G	191 187				.22 .22	NO NO		115 115	
B 682	1		P31-R P98-C*	191 187				.22 .22	NO NO		115 115	
B 683	1		P31-U P98-H	191 187				.22 .22	NO NO		115 115	
B 684	1		P31-X P98-N	191 187				.22 .22	NO NO		115 115	
B 685	1		P31-C* P98-J	191 187				.22 .22	NO NO		115 115	
B 686	1		P31-D* P121A-23	191 74				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 120 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 687	1		P31-E* P129E-24	191 23E				.22 .12	NO NO		115 113	
B 688	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 688B	1		E329-B SHLD B688	44				.25 .25	NO NO			
B 688L			P32-A* P108A-24	190 46				.22 .12	NO NO		115 113	
B 688R			P32-A P108A-23	190 46				.22 .12	NO NO		115 113	
B 689	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 689B	1		E324-B SHLD B689	180				.25 .25	NO NO			
B 689L			P32-P P36-V*	190 181				.22 .22	NO NO		115 115	
B 689R			P32-R P36-S*	190 181				.22 .22	NO NO		115 115	
B 690	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 690B	1		E324-B SHLD B690	180				.25 .25	NO NO			
B 690L			P32-DD P36-U*	190 181				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 121 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 690R			P32-EE P36-R*	190 181				.22 .22	NO NO		115 115	
B 691	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 691B	1		E324-B SHLD B691	180				.25 .25	NO NO			
B 691L			P32-V* P36-T*	190 181				.22 .22	NO NO		115 115	
B 691R			P32-U* P36-P*	190 181				.22 .22	NO NO		115 115	
B 692	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 692B	3		E325-B SHLD B692	67				.25 .25	NO NO			
B 692L			P32-R* P107A-17	190 65				.22 .12	NO NO		115 113	
B 692R			P32-Q* P107A-19	190 65				.22 .12	NO NO		115 113	
B 693	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 693B	3		E325-B SHLD B693	67				.25 .25	NO NO			
B 693L			P32-P* P107A-11	190 65				.22 .12	NO NO		115 113	

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CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 693R			P32-N* P107A-13	190 65				.22 .12	NO NO		115 113	
B 694	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 694B	3		E325-B SHLD B694	67				.25 .25	NO NO			
B 694L			P32-T P107A-10	190 65				.22 .12	NO NO		115 113	
B 694R			P32-S P107A-9	190 65				.22 .12	NO NO		115 113	
B 695	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 695B	3		E325-B SHLD B695	67				.25 .22	NO NO			
B 695L			P32-V P107A-16	190 65				.22 .12	NO NO		115 113	
B 695R			P32-U P107A-15	190 65				.22 .12	NO NO		115 113	
B 696	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 696B	3		E325-B SHLD B696	67				.25 .25	NO NO			
B 696L			P32-T* P107A-23	190 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 696R			P32-S* P107A-25	190 65				.22 .12	NO NO		115 113	
B 697	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 697B	3		F325-B SHLD B697	67				.25 .25	NO NO			
B 697L			P32-X P107A-22	190 65				.22 .12	NO NO		115 113	
B 697R			P32-W P107A-21	190 65				.22 .12	NO NO		115 113	
B 698	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 698B	1		F330-B SHLD B698	76				.25 .22	NO NO			
B 698L			P32-MM P118A-10	190 75				.22 .12	NO NO		115 113	
B 698R			P32-PP P118A-9	190 75				.22 .12	NO NO		115 113	
B 699	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 699B	1		E330-B SHLD B699	76				.25 .25	NO NO			
B 699L			P32-FF P118A-18	190 75				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 699R			P32-NN P118A-17	190 75				.22 .12	NO NO		115 113	
B 700	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 700B	1		E330-B SHLD B700	76				.25 .25	NO NO			
B 700L			P32-Z P118A-16	190 75				.22 .12	NO NO		115 113	
B 700R			P32-Y P118A-15	190 75				.22 .12	NO NO		115 113	
B 701	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 701B	1		E326-B SHLD B701	66				.25 .25	NO NO			
B 701L			P32-C* P107A-30	190 65				.22 .12	NO NO		115 113	
B 701R			P32-C P107A-29	190 65				.22 .12	NO NO		115 113	
B 702	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 702B	1		E302-B SHLD B702	40				.25 .25	NO NO			
B 702L			P32-F* P108D-20	190 45				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 702R			P32-F P108D-19	190 45				.22 .12	NO NO		115 113	
B 703	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 703B	1		E329-B SHLD B703	44				.25 .25	NO NO			
B 703L			P32-H* P108A-6	190 46				.22 .12	NO NO		115 113	
B 703R			P32-H P108A-5	190 46				.22 .12	NO NO		115 113	
B 704	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 704B	1		E302-B SHLD B704	40				.25 .25	NO NO			
B 704L			P32-M* P108D-8	190 45				.22 .12	NO NO		115 113	
B 704R			P32-M P108D-7	190 45				.22 .12	NO NO		115 113	
B 705	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 705B	1		E329-B SHLD B705	44				.25 .25	NO NO			
B 705L			P32-B P108A-28	190 46				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 705R			P32-B* P108A-27	190 40				.22 .12	NO NO		115 113	
B 706	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 706B	1		E326-B SHLD B706	44				.25 .12	NO NO			
B 706L			P32-D* P107A-28	190 65				.22 .12	NO NO		115 113	
B 706R			P32-D P107A-27	190 65				.22 .12	NO NO		115 113	
B 707	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 707B	1		E329-B SHLD B707	44				.25 .25	NO NO			
B 707L			P32-G* P108A-21	190 46				.22 .12	NO NO		115 113	
B 707R			P32-G P108A-22	190 46				.22 .12	NO NO		115 113	
B 709	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 709B	1		E329-B SHLD B709	44				.25 .25	NO NO			
B 709L			P32-J* P108A-4	190 46				.22 .12	NO NO		115 113	

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SCALE-NONE	REV LTR H	SHEET 127 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 709R			P32-J P108A-3	190 46				.22 .12	NO NO		115 113	
B 711	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 711B	1		P105A-32 SHLD B711	48				.12 .25	NO NO		113 113	
B 711L			P32-Z* P105A-28	190 48				.22 .12	NO NO		115 113	
B 711R			P32-Y* P105A-27	190 48				.22 .12	NO NO		115 113	
B 712L			DELETED									
B 713	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 713B	1		E302-B SHLD B713	40				.25 .25	NO NO			
B 713L			P32-AA P108D-14	190 45				.22 .12	NO NO		115 113	
B 713R			P32-BB P108D-13	190 45				.22 .12	NO NO		115 113	
B 714	2		P33-E TB8-3	189 213				.22 .20	NO NO		127 74	
B 715	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 128 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 715B	1		E329-B SHLD B715	44				.25 .25	NO NO			
B 715L			P32-LL P108A-10	190 46				.22 .12	NO NO		115 113	
B 715R			P32-KK P108A-9	190 46				.22 .12	NO NO		115 113	
B 716	2		P33-D TB7-4	189 222				.22 .20	NO NO		127 74	
B 717	3		P33-B TB1-2	189 165				.22 .20	NO NO		115 73	
B 718	3		P33-X TB2-2	189 156				.22 .20	NO NO		115 74	
B 719	2		P33-A P126F-26	189 30				.22 .22	NO NO		127 138	
B 720	3		P33-C TB3-2	189 154				.22 .20	NO NO		115 73	
B 721	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 721B	1		P115A-18 SHLD B721	78				.12 .25	NO NO			
B 721L			P33-J P115A-18	189 78				.22 .12	NO NO		115 138	
B 721R			P33-H P115A-17	189 78				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 129 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 721Y			P33-G P117A-3	189 36				.22 .12	NO NO		115 113	
B 722	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 722B	1		P129A-32 SHLD B722	174A				.12 .22	NO NO			
B 722L			P33-L P129A-20	189 174A				.22 .12	NO NO		115 113	
B 722R			P33-K P129A-19	189 174A				.22 .12	NO NO		115 113	
B 723	1		P33-M P34-Z*	189 188				.22 .22	NO NO		115 115	
B 724	1		P33-N P34-AA	189 188				.22 .22	NO NO		115 115	
B 725	1		P33-P P34-BB	189 188				.22 .22	NO NO		115 115	
B 726	1		P33-S P129A-15	189 174A				.22 .12	NO NO		115 113	
B 727	1		P33-F P129A-5	189 174A				.22 .12	NO NO		115 113	
B 728	1		P33-Y P130A-3	189 179A				.22 .12	NO NO		115 113	
B 729	1		P33-A* P129A-29	189 174A				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 130 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 730	1		P33-U* P129A-30	189 174A				.22 .12	NO NO		115 113	
B 731	1		P34-U T35-3	188 230				.22 .20	NO NO		115 73	
B 732	2		P34-W T67-3	188 223				.22 .20	NO NO		127 74	
B 733	2		P34-X T68-2	188 214				.22 .20	NO NO		127 74	
B 734	1		P34-J* P36-M	188 181				.22 .22	NO NO		115 115	
B 735	1		P34-H* P36-W	188 181				.22 .22	NO NO		115 115	
B 736	2		P34-A P126F-25	188 30				.22 .22	NO NO		127 138	
B 737	1		P34-B* P129A-11	188 174A				.22 .12	NO NO		115 113	
B 738	1		P34-C* P129A-12	188 174A				.22 .12	NO NO		115 113	
B 739	1		P34-M P129B-5	188 174B				.22 .12	NO NO		115 113	
B 740	3		P34-P P129B-21	188 174B				.22 .12	NO NO		115 113	
B 741	1		P34-Y T64-9	188 226				.22 .20	NO NO		115 73	

SIZE A

CODE IDENT NO. 99974

2900542

SCALE-NONE REV LTR H SHEET 131 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 742	1		P34-Z P90-C	188 21				.22 .20	NO YES		115	
B 743	1		P34-I* P96-LL	188 182				.22 .22	NO NO		115 115	
B 744	1		P34-M* P120D-2	188 33				.22 .12	NO NO		115 113	
B 745	1		P34-CC P65-KK	188 131				.22 .22	NO NO		115 115	
B 746	1		P34-DD P65-LL	188 131				.22 .22	NO NO		115 115	
B 747	1		P34-EE P65-JJ	188 131				.22 .22	NO NO		115 115	
B 748	1		P34-FF P65-FF	188 131				.22 .22	NO NO		115 115	
B 749	1		P34-GG P65-GG	188 131				.22 .22	NO NO		115 115	
B 750	1		P34-HH P65-HH	188 131				.22 .22	NO NO		115 115	
B 751	1		P34-K P129A-17	188 174A				.22 .12	NO NO		115 113	
B 752	1		P34-F P130C-3	188 179C				.22 .12	NO NO		115 113	
B 753	1		P34-J P121A-25	188 74				.22 .12	NO NO		115 113	

SIZE A

CODE IDENT NO. 99974

2900542

SCALE-NONE REV LTR H SHEET 132 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 754	1		P34-N P130C-5	188 179C				.22 .12	NO NO		115 113	
B 755	3		P34-A* P129B-27	188 174B				.22 .12	NO NO		115 113	
B 756	1		P34-D* P130A-5	188 179A				.22 .12	NO NO		115 113	
B 757	1		P34-KK P130D-10	188 179D				.22 .12	NO NO		115 113	
B 758	1		P34-LL P130D-9	188 179D				.22 .12	NO NO		115 113	
B 759	1		P34-MM P129B-25	188 174B				.22 .12	NO NO		115 113	
B 760	1		P34-NN P129B-26	188 174B				.22 .13	NO NO		115 113	
B 761	2		P35-A P126F-24	184 30				.22 .22	NO NO		127 138	
B 762	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 762B	1		E331-B SHLD B762	69				.25 .25	NO NO			
B 762L			P35-Y P104A-16	184 70				.22 .12	NO NO		115 113	
B 762R			P35-Z P104A-15	184 70				.22 .12	NO NO		115 113	

SIZE A

CODE IDENT NO. 99974

2900542

SCALE-NONE REV LTR H SHEET 133 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 763	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 763B	1		SHLD B763 P103A-31	 85				.25 .12	NO NO		 113	
B 763L			P35-E* P103A-28	184 85				.22 .12	NO NO		115 113	
B 763R			P35-F* P103A-27	184 85				.22 .12	NO NO		115 113	
B 764	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 764B	1		E312-B SHLD B764	178				.25 .25	NO NO			
B 764L			P35-V P129A-14	184 174A				.22 .12	NO NO		115 113	
B 764R			P35-U P129A-13	184 174A				.22 .12	NO NO		115 113	
B 765	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 765B	1		E322-B SHLD B765	177				.25 .25	NO NO			
B 765L			P35-R P129B-20	184 174B				.22 .12	NO NO		115 113	
B 765R			P35-P P129B-19	184 174B				.22 .12	NO NO		115 113	

SIZE A

CODE IDENT NO. 99974

2900542

SCALE-NONE REV LTR H SHEET 134 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 766	1		P35-AA P110D-1	184 60				.22 .12	NO NO		115 113	
B 767	1		P35-M P62-51	184 125				.22 .19	NO NO		115 134	
B 768	1		P35-N P62-34	184 125				.22 .19	NO NO		115 134	
B 769	1		P35-O* P114A-11	184 38				.22 .12	NO NO		115 113	
B 770	1		P35-J* P129B-24	184 174B				.22 .12	NO NO		115 113	
B 771	1		P35-K* P129B-23	184 174B				.22 .12	NO NO		115 113	
B 772	1		P35-M* P121D-25	184 72				.22 .12	NO NO		115 113	
B 775	1		P35-R* P114A-12	184 38				.22 .12	NO NO		115 113	
B 776	1		P36-P P98-L	181 187				.22 .22	NO NO		115 115	
B 777	1		P36-S P129D-5	181 174D				.22 .12	NO NO		115 113	
B 778	1		P36-U P98-V*	181 187				.22 .22	NO NO		115 115	
B 779	2		P36-T T37-5	181 221				.22 .20	NO NO		115 74	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 135 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 780	1		P36-PP P106A-27	181 83				.22 .12	NO NO		115 113	
B 781	1		P36-NN P107D-3	181 64				.22 .12	NO NO		115 113	
B 782	1		P36-FF P110A-11	181 63				.22 .12	NO NO		115 113	
B 783	1		P36-KK P110A-17	181 63				.22 .12	NO NO		115 113	
B 784	1		P36-HH P110A-15	181 63				.22 .12	NO NO		115 113	
B 785	1		P36-D* P120D-13	181 33				.22 .12	NO NO		115 113	
B 786	1		P36-F* P120D-9	181 33				.22 .12	NO NO		115 113	
B 787	1		P36-B* P120D-14	181 33				.22 .12	NO NO		115 113	
B 788	1		P36-M* P98-T*	181 187				.22 .22	NO NO		115 115	
B 789	1		P36-I* P120D-10	181 33				.22 .12	NO NO		115 113	
B 790			DELETED									
B 791	1		P36-Z* P130A-7	181 179A				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 136 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 792	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 792B	1		TB6-2 SHLD B792	236				.20 .25	NO NO		74	
B 792L			P37-F* TB6-2	251 236				.22 .20	NO NO		115 74	
B 792R			P37-G* TB5-8	251 234				.22 .20	NO NO		115 73	
B 793	2		P37-GG TB8-8	251 246				.22 .20	NO NO		127 74	
B 794	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 794B	1		P103D-32 SHLD B794	84				.12 .25	NO NO			
B 794L			P37-X P103D-26	251 84				.22 .12	NO NO		115 113	
B 794R			P37-Y P103D-25	251 84				.22 .12	NO NO		115 113	
B 795	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 795B	1		P120D-32 SHLD B795	33				.12 .22	NO NO		138	
B 795L			P37-V P120D-16	251 33				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 137 OF 209

LEAD IDENT	WIRE MATL. ITEM	LEAD LG	CIRCUIT PT. FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 795R			P37-U P120D-15	251 33				.22 .12	NO NO		115 113	
B 797	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 797B	1		P120D-32 SHLD B797	33				.12 .25	NO NO			
B 797L			P37-T P120D-18	251 33				.22 .12	NO NO		115 113	
B 797R			P37-S P120D-17	251 33				.22 .12	NO NO		115 113	
B 799	1		P37-FF P99-HH	251 186				.22 .22	NO NO		115 115	
B 800	1		P37-N P120D-3	251 33				.22 .12	NO NO		115 113	
B 801	1		P37-P P120D-4	251 33				.22 .12	NO NO		115 113	
B 802	1		P37-W P129E-15	251 23E				.22 .12	NO NO		115 113	
B 803	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 803A	1		SHLD B803 E338-B	 8				.25 .25	NO NO			
B 803L			J19-S* P37-G	7 251				.22 .22	NO NO		126 127	

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 138 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 803R			J19-A P37-J	7 251				.22 .22	NO NO		126 127	
B 805	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 805A	1		SHLD B805 E338-6	 8				.25 .25	NO NO			
B 805L			J19-T* P37-H	7 251				.22 .22	NO NO		126 127	
B 805R			J19-B P37-F	7 251				.22 .22	NO NO		126 127	
B 807	3		P37-b* P129E-21	251 23E				.22 .12	NO NO		115 113	
B 808	1		P37-EE P130F-5	251 22F				.22 .12	NO NO		115 113	
B 809	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 809B	1		TB9-10 SHLD B809	96				.20 .25	NO NO		74	
B 809L			P38-E TB9-10	104 96				.22 .20	NO NO		117 74	
B 809R			P38-D TB9-7	104 99				.22 .20	NO NO		117 74	
B 810	2		P38-A P126E-27	104 31				.22 .22	NO NO		117 138	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 139 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 811	3		P38-F P63-X*	104 137				.22 .22	NO NO		117 115	
B 812	3		P38-G P63-Y*	104 137				.22 .22	NO NO		117 115	
B 813	3		P38-H P63-W*	104 137				.22 .22	NO NO		117 115	
B 814	1		P38-C TB9-2	104 102				.22 .20	NO NO		117 74	
B 815	1		P39-A P64-B	105 134				.22 .22	NO NO		115 115	
B 816	1		P39-B P64-C	105 134				.22 .22	NO NO		115 115	
B 817	1		P39-S P64-U	105 134				.22 .22	NO NO		115 115	
B 818	1		P39-T P64-V	105 134				.22 .22	NO NO		115 115	
B 819	1		P39-C P64-N	105 134				.22 .22	NO NO		115 115	
B 820	1		P39-D P64-D	105 134				.22 .22	NO NO		115 115	
B 821	1		P39-E P64-E	105 134				.22 .22	NO NO		115 115	
B 822	1		P39-F P64-F	105 134				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 140 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 823	1		P39-G P64-G	105 134				.22 .22	NO NO		115 115	
B 824	1		P39-H P64-H	105 134				.22 .22	NO NO		115 115	
B 825	1		P39-J P64-J	105 134				.22 .22	NO NO		115 115	
B 826	1		P39-K P64-K	105 134				.22 .22	NO NO		115 115	
B 827	1		P39-L P64-L	105 134				.22 .22	NO NO		115 115	
B 828	1		P39-M P64-M	105 134				.22 .22	NO NO		115 115	
B 829	1		P39-N P64-P	105 134				.22 .22	NO NO		115 115	
B 830	1		P39-P P64-W	105 134				.22 .22	NO NO		115 115	
B 831	1		P39-R P64-X	105 134				.22 .22	NO NO		115 115	
B 832	1		P39-U P64-H*	105 134				.22 .22	NO NO		115 115	
B 833	1		P39-V P64-Y	105 134				.22 .22	NO NO		115 115	
B 834	1		P39-W P64-Z	105 134				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 141 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 835	1		P39-X P64-A*	105 134				.22 .22	NO NO		115 115	
B 836	1		P39-Y P64-B*	105 134				.22 .22	NO NO		115 115	
B 837	1		P39-Z P64-C*	105 134				.22 .22	NO NO		115 115	
B 838	1		P39-A* P64-D*	105 134				.22 .22	NO NO		115 115	
B 839	1		P39-B* P64-E*	105 134				.22 .22	NO NO		115 115	
B 840	1		P39-C* P64-F*	105 134				.22 .22	NO NO		115 115	
B 841	1		P39-D* P64-G*	105 134				.22 .22	NO NO		115 115	
B 842	1		P39-E* P64-I*	105 134				.22 .22	NO NO		115 115	
B 843	1		P39-F* P64-U*	105 134				.22 .22	NO NO		115 115	
B 844	1		P39-G* P64-T*	105 134				.22 .22	NO NO		115 115	
B 845	1		P39-H* P64-S*	105 134				.22 .22	NO NO		115 115	
B 846	1		P39-I* P64-R*	105 134				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 142 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 847	1		P39-J*	105				.22	NO		115	
			P64-Q*	134				.22	NO		115	
B 848	1		P39-K*	105				.22	NO		115	
			P64-P*	134				.22	NO		115	
B 849	1		P39-M*	105				.22	NO		115	
			P64-N*	134				.22	NO		115	
B 850	1		P39-N*	105				.22	NO		115	
			P64-M*	134				.22	NO		115	
B 851	1		P39-R*	105				.22	NO		115	
			P116D-20	55				.12	NO		113	
B 852	1		P40-N	106				.22	NO		115	
			P65-AA	131				.22	NO		115	
B 853	1		P40-P	106				.22	NO		115	
			P65-BB	131				.22	NO		115	
B 854	1		P40-S	106				.22	NO		115	
			P63-A*	131				.22	NO		115	
B 855	1		P40-T	106				.22	NO		115	
			P63-B*	131				.22	NO		115	
B 856	1		P40-U	106				.22	NO		115	
			P63-C*	137				.22	NO		115	
B 857	1		P40-V	106				.22	NO		115	
			P63-D*	137				.22	NO		115	
B 858	1		P40-W	106				.22	NO		115	
			P63-E*	137				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 143 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 859	1		P40-X	106				.22	NO		115	
			P63-F*	137				.22	NO		115	
B 860	1		P40-Y	106				.22	NO		115	
			P63-G*	137				.22	NO		115	
B 861	1		P40-Z	106				.22	NO		115	
			P63-H*	137				.22	NO		115	
B 862	1		P40-A*	106				.22	NO		115	
			P63-I*	137				.22	NO		115	
B 863	1		P40-C*	106				.22	NO		115	
			P63-Z	137				.22	NO		115	
B 864	1		P40-D*	106				.22	NO		115	
			P63-Y	137				.22	NO		115	
B 865	1		P40-E*	106				.22	NO		115	
			P63-X	137				.22	NO		115	
B 866	1		P40-F*	106				.22	NO		115	
			P63-W	137				.22	NO		115	
B 867	1		P40-G*	106				.22	NO		115	
			P63-V	137				.22	NO		115	
B 868	1		P40-H*	106				.22	NO		115	
			P63-U	137				.22	NO		115	
B 869	1		P40-I*	106				.22	NO		115	
			P63-T	137				.22	NO		115	
B 870	1		P40-J*	106				.22	NO		115	
			P63-S	137				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 144 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 871	1		P40-K*	106				.22	NO		115	
			P63-R	137				.22	NO		115	
B 872	1		P40-M*	106				.22	NO		115	
			P65-CC	131				.22	NO		115	
B 873	1		P40-T*	106				.22	NO		115	
			P64-R	134				.22	NO		115	
B 874	1		P40-B*	106				.22	NO		115	
			P47-J*	115				.22	NO		114	
B 875	1		P40-U*	106				.22	NO		115	
			P47-N*	115				.22	NO		114	
B 876	1		P40-V*	106				.22	NO		115	
			P47-F*	115				.22	NO		114	
B 877	1		P40-W*	106				.22	NO		115	
			P47-G*	115				.22	NO		114	
B 878	1		P40-X*	106				.22	NO		115	
			P47-K*	115				.22	NO		114	
B 879	1		P40-Y*	106				.22	NO		115	
			P47-W	115				.22	NO		114	
B 880	1		P40-Z*	106				.22	NO		115	
			P47-X	115				.22	NO		114	
B 881	1		P40-AA	106				.22	NO		115	
			P47-Z	115				.22	NO		114	
B 882	1		P40-BB	106				.22	NO		115	
			P47-A*	115				.22	NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 145 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 883	1		P40-CC	106				.22	NO		115	
			P47-M	115				.22	NO		114	
B 884	1		P40-DD	106				.22	NO		115	
			P47-P	115				.22	NO		114	
B 885	1		P40-EE	106				.22	NO		115	
			P47-S	115				.22	NO		114	
B 886	1		P40-FF	106				.22	NO		115	
			P47-V	115				.22	NO		114	
B 887	1		P40-GG	106				.22	NO		115	
			P47-H	115				.22	NO		114	
B 888	1		P40-HH	106				.22	NO		115	
			P47-J	115				.22	NO		114	
B 889	1		P40-JJ	106				.22	NO		115	
			P47-K	115				.22	NO		114	
B 890	1		P40-KK	106				.22	NO		115	
			P47-L	115				.22	NO		114	
B 891	1		P40-LL	106				.22	NO		115	
			P47-B	115				.22	NO		114	
B 892	1		P40-MM	106				.22	NO		115	
			P47-C	115				.22	NO		114	
B 893	1		P40-NN	106				.22	NO		115	
			P47-D	115				.22	NO		114	
B 894	1		P40-PP	106				.22	NO		115	
			P47-F	115				.22	NO		114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR H	SHEET 146 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 895	1		P40-N* P47-B*	106 115				.22 .22	NO NO		115 114	
B 896	1		P40-P* P47-C*	106 115				.22 .22	NO NO		115 114	
B 897	1		P40-Q* P47-D*	106 115				.22 .22	NO NO		115 114	
B 898	1		P40-R* P47-E*	106 115				.22 .22	NO NO		115 114	
B 899	1		P40-S* P47-M*	106 115				.22 .22	NO NO		115 114	
B 900	1		P41-A P116D-19	107 55				.22 .12	NO NO		115 113	
B 901	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 901A	1		SHLD B901 E323-B	 128				.25 .25	NO NO			
B 901L			P46-C P65-K*	117 131				.22 .22	NO NO		115 115	
B 901R			P46-B P65-K	117 131				.22 .22	NO NO		115 115	
B 902	1		P47-U P63-AA	115 137				.22 .22	NO NO		114 115	
B 903	1		P47-Y P63-Z*	115 137				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 904	1		P47-T P63-BB	115 137				.22 .22	NO NO		114 115	
B 905	2		P48-A P126E-23	169 31				.22 .22	NO NO		127 138	
B 906	1		P48-P P129D-27	169 174D				.22 .12	NO NO		115 113	
B 907	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 907B	1		E326-B SHLD B907	66				.25 .25	NO NO			
B 907L			P48-U P107A-2	169 65				.22 .12	NO NO		115 113	
B 907R			P48-T P107A-1	169 65				.22 .12	NO NO		115 113	
B 908	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 908B	1		E337-B SHLD B908	82				.25 .25	NO NO			
B 908L			P48-Y P106A-26	169 83				.22 .12	NO NO		115 113	
B 908R			P48-X P106A-25	169 83				.22 .12	NO NO		115 113	
B 909	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 909B	1		E337-B SHLD B909	82				.25 .25	NO NO			
B 909L			P48-U* P106A-14	169 83				.22 .12	NO NO		115 113	
B 909R			P48-T* P106A-13	169 83				.22 .12	NO NO		115 113	
B 910	2		P48-CC TB8-6	169 210				.22 .20	NO NO		127 74	
B 911	137										120 120	
B 911L			P48-FF TB2-3	169 157				.22 .20	NO NO		115 74	
B 911R			P48-GG TB1-3	169 163				.22 .20	NO NO		115 73	
B 911Y			P48-EE TB3-3	169 152				.22 .20	NO NO		115 73	
B 912	1		P48-MM P121A-28	169 74				.22 .12	NO NO		115 113	
B 913	1		P48-NN P121A-27	169 74				.22 .12	NO NO		115 113	
B 914	2		P48-B E326-B	169 66				.22 .25	NO NO		127	
B 915	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 915E			P49-4A P94-E1	168 127				.19 .11	NO NO		132 90	
B 915X			P49-4B P94-E2	168 127								
B 916	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 916E			P49-1A P128C-18A	168 167C				.19 .11	NO NO		132 96	
B 916X			P49-1B P128C-18B	168 167C								
B 917	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 917E			P49-21A P69-D1	168 136				.19 .11	NO NO		132 90	
B 917X			P49-21B P69-D2	168 136								
B 918	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 918E			P49-22A P69-B1	168 136				.19 .11	NO NO		132 90	
B 918X			P49-22B P69-B2	168 136								
B 919	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 919E			P49-23A P67-A1	168 132				.19 .11	NO NO		132 90	
B 919X			P49-23B P67-A2	168 132								
B 920	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 920E			P49-38A P67-C1	168 132				.19 .11	NO NO		132 90	
B 920X			P49-38B P67-C2	168 132								
B 921	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 921E			P49-39A P69-C1	168 132				.19 .11	NO NO		132 90	
B 921X			P49-39B P69-C2	168 132								
B 922	118				.38 .52	.19 .23				A,10	128,131,120 92, 94,120	
B 922E			P49-40A P67-B1	168 132				.19 .11	NO NO		132 90	
B 922X			P49-40B P67-B2	168 132								
B 923	118				.38 .52	.19 .23					128,131,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 923E			P49-47A P128C-19A	168 167C				.19 .11	NO NO		132 96	
B 923X			P49-47B P128C-19B	168 167C								
B 924	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 924B	1		TB9-9 SHLD B924	96				.20 .25	NO NO		74	
B 924L			P50-E TB9-9	114 96				.22 .20	NO NO		117 74	
B 924R			P50-D TB9-6	114 100				.22 .20	NO NO		117 74	
B 925	2		P50-A P126E-28	114 31				.22 .22	NO NO		117 138	
B 926	118				.50 4.00	.31 3.75				A,7	120 120	
B 926E			P51-1 P65-J	140 131				.11 .22	NO NO		115	
B 926X			P51-2 SHLD B926	140								
B 927	118				.50 4.00	.31 3.75				A,7	120 120	
B 927E			P52-1 P65-J*	139 131				.11 .22	NO NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 927X			P52-2 SHLD B927	139								
B 928	118				.50 4.00	.31 3.75				B,68	120 120,119	
B 928B			P65-H* SHLD B928	131				.22 .25	NO NO		115	
B 928E			P53-1 P65-H	141 131				.11 .22	NO NO		115	
B 928X			P53-2 SHLD B928	141								
B 929	118				.50 .38	.31 .19					120 128,131,120	
B 929E			P54-1 P52-12A	142 125				.11 .19	NO NO		132	
B 929X			P54-2 P62-12B	142 125								
B 930	118				.50 .38	.31 .19					120 128,131	
B 930E			P55-1 P60-3A	145 122				.11 .19	NO NO		132	
B 930X			P55-2 P60-3B	145 122								
B 931	118				.50 .52	.31 .23					120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 931E			P56-1 P128A-6A	147 171				.11 .11	NO NO		96	
B 931X			P56-2 P128A-6B	147 171								
B 932	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 932E			P57-1 J132-1	146 121				.11 .11	NO NO		93	
B 932X			P57-2 J132-2	146 121								
B 933	118				.50 .52	.31 .23				A,9	120 91, 92,120	
B 933E			P58-1 J133-1	144 120				.11 .11	NO NO		93	
B 933X			P58-2 J133-2	144 120								
B 934	9				2.25 4.00	2.00 3.75				A,7 B,68	120 120,121	
B 934B	1		TB6-4 SHLD B934	238				.20 .25	NO NO		74	
B 934L			P59-E TB6-4	138 238				.22 .20	NO NO		117 74	
B 934R			P59-D TB6-7	138 241				.22 .20	NO NO		117 74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	REMARKS ACCESSORY ITEMS
B 935	2		P59-A P126E-26	139 31				.22 .22	NO NO		117 138
B 936	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 936E			P60-18A P128C-10A	122 167C				.19 .11	NO NO		132 96
B 936X			P60-18B P128C-10B	122 167C							
B 937	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 937E			P60-19A P128C-12A	122 167C				.19 .11	NO NO		132 96
B 937X			P60-19B P128C-12B	122 167C							
B 938	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 938E			P60-16A P128C-13A	122 167C				.19 .11	NO NO		132 96
B 938X			P60-16B P128C-13B	122 167C							
B 939	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 939E			P60-17A P128C-11A	122 167C				.19 .11	NO NO		132 96

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	REMARKS ACCESSORY ITEMS
B 939X			P60-17B P128C-11B	122 167C							
B 940	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 940E			P60-22A P127C-19A	122 166				.19 .11	NO NO		132 96
B 940X			P60-22B P127C-19B	122 166							
B 941	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 941E			P60-23A P127C-21A	122 166				.19 .11	NO NO		132 96
B 941X			P60-23B P127C-21B	122 166							
B 942	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 942E			P60-24A P127C-24A	122 166				.19 .11	NO NO		132 96
B 942X			P60-24B P127C-24B	122 166							
B 943	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 943E			P60-25A P127C-20A	122 166				.19 .11	NO NO		132 96

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	REMARKS ACCESSORY ITEMS
B 943X			P60-25B P127C-20B	122 166							
B 944	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 944E			P60-35A P128C-8A	122 167C				.19 .11	NO NO		132 96
B 944X			P60-35B P128C-8B	122 167C							
B 945	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 945E			P60-37A P128C-9A	122 167C				.19 .11	NO NO		132 96
B 945X			P60-37B P128C-9B	122 167C							
B 946	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 946E			P60-11A P127C-14A	122 166				.19 .11	NO NO		132 96
B 946X			P60-11B P127C-14B	122 166							
B 947	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 947E			P60-12A P127C-12A	122 166				.19 .11	NO NO		132 96

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	REMARKS ACCESSORY ITEMS
B 947X			P60-12B P127C-12B	122 166							
B 948	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 948E			P60-20A P127C-17A	122 166				.19 .11	NO NO		132 96
B 948X			P60-20B P127C-17B	122 166							
B 949	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 949E			P60-21A P127C-18A	122 166				.19 .11	NO NO		132 96
B 949X			P60-21B P127C-18B	122 166							
B 950	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 950E			P60-7A P127C-9A	122 166				.19 .11	NO NO		132 96
B 950X			P60-7B P127C-9B	122 166							
B 951	118				.38 .52	.19 .23					128,131,120 120, 97, 98
B 951E			P60-8A P127C-10A	122 166				.19 .11	NO NO		132 96

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 951X			P60-8B P127C-10B	122 166								
B 952	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 952E			P60-9A P127C-11A	122 166				.19 .11	NO NO		132 96	
B 952X			P60-9B P127C-11B	122 166								
B 953	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 953E			P60-10A P127C-13A	122 166				.19 .11	NO NO		132 96	
B 953X			P60-10B P127C-13B	122 166								
B 954	118				.38 4.00	.19 3.75				B,6B	128,131,120 119,120	
B 954B	1		P65-B* SHLD B954	131				.22 .25	NO NO		115	
B 954E			P60-41A P65-B	122 131				.19 .22	NO NO		132 115	
B 954X			P60-41B SHLD B954	122								
B 955	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 120,119	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 159 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 955B	1		E323-B SHLD B955	128				.25 .25	NO NO			
B 955L			P60-2B P65-U*	122 131			.32	.22 .22	NO NO		115	
B 955R			P60-2A P65-U	122 131				.19 .22	NO NO		132,100,101 115	
B 956	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 956B	1		E323-B SHLD B956	128				.25 .25	NO NO			
B 956L			P60-14 P65-R*	122 131				.19 .22	NO NO		134 115	
B 956R			P60-13 P65-R	122 131				.19 .22	NO NO		134 115	
B 957	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 957B	1		E323-B SHLD B957	128				.25 .25	NO NO			
B 957L			P60-28 P65-S*	122 131				.19 .22	NO NO		134 115	
B 957R			P60-27 P65-S	122 131				.19 .22	NO NO		134 115	
B 958	7				2.25 4.00	2.00 3.75				A,7 B,6A	120,128,131 119,120	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 160 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 958B	1		E323-B SHLD B958	128				.25 .25	NO NO			
B 958L			P60-40B P65-T*	122 131			.32	.22 .22	NO NO		115	
B 958R			P60-40A P65-T	122 131				.19 .22	NO NO		132,100,101 115	
B 959	1		P60-29 P115A-1	122 78				.19 .12	NO NO		134 113	
B 960	1		P60-30 P114A-19	122 42				.19 .12	NO NO		134 113	
B 961	1		P60-31 P121A-10	122 74				.19 .12	NO NO		134 113	
B 962	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 962E			P60-26A P128C-16A	122 167C				.19 .11	NO NO		132 96	
B 962X			P60-26B P128C-16B	122 167C								
B 963	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 963B	1		E332-B SHLD B963	73				.25 .25	NO NO			
B 963L			P60-45 P121A-8	122 74				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 161 OF 209

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LEAD IDENT	WIRE MATL. ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 963R			P60-44 P121A-7	122 74				.19 .12	NO NO		134 113	
B 964	1		P60-47 P115A-2	122 78				.19 .12	NO NO		134 113	
B 965	1		P60-48 P114A-20	122 38				.19 .12	NO NO		134 113	
B 966	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 966E			P60-36A P128C-17A	122 167C				.19 .11	NO NO		132 96	
B 966X			P60-36B P128C-17B	122 167C								
B 967	118				.38 .52	.19 .23				A,9	128,131,120 91, 92,120	
B 967E			P60-42A J134-1	122 119				.19 .11	NO NO		132 93	
B 967X			P60-42B J134-2	122 119								
B 968	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 968E			P60-43A P128C-20A	122 167C				.19 .11	NO NO		132 96	
B 968X			P60-43B P128C-20B	122 167C								

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 162 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 969	1		P60-15 P121A-9	122 74				.19 .12	NO NO		134 113	
B 970	118				.52 .38	.23 .19					120, 97, 98 128,131,120	
B 970E			P128A-7A P60-39A	171 122				.11 .19	NO NO		96 132	
B 970X			P128A-7B P60-39B	171 122								
B 971	2		P61-4 TB8-4	123 212				.19 .20	NO NO		136 74	
B 972	1		P61-12 P122A-22	123 52				.19 .12	NO NO		134 113	
B 973	1		P61-13 P122A-21	123 52				.19 .12	NO NO		134 113	
B 974	3		P61-14 TB7-4	123 222				.19 .20	NO NO		134 74	
B 975	1		P61-25 P122A-16	123 52				.19 .12	NO NO		134 113	
B 976	1		P61-26 P122A-15	123 52				.19 .12	NO NO		134 113	
B 977	1		P61-27 P122A-20	123 52				.19 .12	NO NO		134 113	
B 978	1		P61-28 P122A-19	123 52				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 163 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 979	1		P61-29 P122A-11	123 52				.19 .12	NO NO		134 113	
B 980	1		P61-30 P122A-12	123 52				.19 .12	NO NO		134 113	
B 981	1		P61-31 P122A-13	123 52				.19 .12	NO NO		134 113	
B 982	1		P61-32 P122A-14	123 52				.19 .12	NO NO		134 113	
B 983	2		P61-43 P126F-22	123 30				.19 .22	NO NO		136 138	
B 984	1		P61-45 P122A-18	123 52				.19 .12	NO NO		134 113	
B 985	1		P61-46 P122A-17	123 52				.19 .12	NO NO		134 113	
B 986	137				2.00 6.00						120 120	
B 986L			P61-48 TB2-1	123 155				.19 .20	NO NO		134 74	
B 986R			P61-47 TB1-1	123 161				.19 .20	NO NO		134 73	
B 986Y			P61-49 TB3-1	123 150				.19 .20	NO NO		134 73	
B 987	1		P61-50 P121A-29	123 74				.19 .12	NO NO		134 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 164 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 988	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 988B	1		P115A-31 SHLD B988	78				.12 .25	NO NO		113	
B 988L			P62-18 P115A-10	125 78				.19 .12	NO NO		134 113	
B 988R			P62-19 P115A-9	125 78				.19 .12	NO NO		134 113	
B 989	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 989F			P62-10A P93-H1	125 130				.19 .11	NO NO		132 90	
B 989X			P62-10B P93-H2	125 130								
B 990	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 990F			P62-9A P70-G1	125 133				.19 .11	NO NO		132 90	
B 990X			P62-9B P70-G2	125 133								
B 991	118				.38 .52	.19 .23				 A,10	128,131,120 92, 94,120	
B 991E			P62-8A P68-F1	125 129				.19 .11	NO NO		132 90	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 165 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 991X			P62-8B P68-F2	125 129								
B 992	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 992B	1		E328-6 SHLD B992	175				.25 .25	NO NO			
B 992L			P62-50 P129D-20	125 174D				.19 .12	NO NO		134 113	
B 992R			P62-33 P129D-19	125 174D				.19 .12	NO NO		134 113	
B 993	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 993B	1		E328-8 SHLD B993	175				.25 .25	NO NO			
B 993L			P62-32 P129D-14	125 174D				.19 .12	NO NO		134 113	
B 993R			P62-16 P129D-13	125 174D				.19 .12	NO NO		134 113	
B 995	7				4.00 4.00	3.75 3.75				B,6A B,6A	120,119 120,119	
B 995A	1		SHLD B995 P62-3	 125				.25 .19	NO NO		 134	
B 995B	1		P119A-31 SHLD B995	54				.12 .25	NO NO		138	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	H	SHEET 166 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 995L			P62-2 P119A-28	125 54				.19 .12	NO NO		134 113	
B 995R			P62-1 P119A-27	125 54				.19 .12	NO NO		134 113	
B 996	7				4.00 4.00	3.75 3.75				B,6B B,6B	120,119 120,119	
B 996A	1		SHLD B996 P62-6	 125				.25 .19	NO NO		 134	
B 996B	1		P119A-31 SHLD B996	54				.12 .25	NO NO			
B 996L			P62-5 P119A-30	125 54				.19 .12	NO NO		134 113	
B 996R			P62-4 P119A-29	125 54				.19 .12	NO NO		134 113	
B 997			DELETED									
B 997B			DELETED									
B 997L			DELETED									
B 997R			DELETED									
B 998	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 167 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 998B	1		P100A-31 SHLD B998	88				.12 .25	NO NO		113	
B 998L			P62-14 P100A-20	125 88				.19 .12	NO NO		134 113	
B 998R			P62-13 P100A-19	125 88				.19 .12	NO NO		134 113	
B 999	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 999B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 999L			P62-23 P104A-20	125 70				.19 .12	NO NO		134 113	
B 999R			P62-22 P104A-19	125 70				.19 .12	NO NO		134 113	
B 1000	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1000B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 1000L			P62-25 P104A-2	125 70				.19 .12	NO NO		134 113	
B 1000R			P62-24 P104A-1	125 70				.19 .12	NO NO		134 113	
B 1001	1		P62-26 P116D-24	125 55				.19 .12	NO NO		134 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 168 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1002	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1002B	1		P101A-31 SHLD B1002	71				.12 .25	NO NO			
B 1002L			P62-28 P101A-2	125 71				.19 .12	NO NO		134 113	
B 1002R			P62-27 P101A-1	125 71				.19 .12	NO NO		134 113	
B 1003	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1003B	1		P122A-32 SHLD B1003	52				.12 .25	NO NO		113	
B 1003L			P62-47 P122A-4	125 52				.19 .12	NO NO		134 113	
B 1003R			P62-29 P122A-3	125 52				.19 .12	NO NO		134 113	
B 1004	1		P62-30 P116D-21	125 55				.19 .12	NO NO		134 113	
B 1005	7				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120,128,129	
B 1005A	1		SHLD B1005 E333-B	 124				.25 .25	NO NO			
B 1005L			P62-52 J135-2	125 118			 .32	.19 .22	NO NO		134	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 169 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1005R			P62-35 J135-1	125 118				.19 .22	NO NO		134 130,100,101	
B 1006	1		P62-41 P116D-27	125 55				.19 .12	NO NO		134 113	
B 1007	1		P62-42 P116D-28	125 55				.19 .12	NO NO		134 113	
B 1008	1		P62-43 P116D-23	125 55				.19 .12	NO NO		134 113	
B 1009	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1009B	1		E332-B SHLD B1009	73				.25 .25	NO NO			
B 1009L			P62-45 P121A-16	125 74				.19 .12	NO NO		134 113	
B 1009R			P62-44 P121A-15	125 74				.19 .12	NO NO		134 113	
B 1010	1		P62-48 P116D-22	125 55				.19 .12	NO NO		134 113	
B 1011	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1011B	1		E337-B SHLD B1011	82				.25 .25	NO NO			
B 1011L			P92-88 P106D-8	183 80				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 170 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1011R			P32-AA P106D-7	183 80				.22 .12	NO NO		115 113	
B 1012	2		P63-A P126E-24	137 31				.22 .22	NO NO		127 138	
B 1013	1		P63-C P71-B	137 93				.22 .22	NO NO		115 115	
B 1014	1		P63-V* P71-C	137 93				.22 .22	NO NO		115 115	
B 1015	1		P63-U* P71-E	137 93				.22 .22	NO NO		115 115	
B 1016	1		P63-T* P71-F	137 93				.22 .22	NO NO		115 115	
B 1017	1		P63-S* P71-G	137 93				.22 .22	NO NO		115 115	
B 1018	1		P63-R* P71-P	137 93				.22 .22	NO NO		115 115	
B 1019	1		P63-Q* P71-R	137 93				.22 .22	NO NO		115 115	
B 1020	1		P63-P* P71-S	137 93				.22 .22	NO NO		115 115	
B 1021	1		P63-N* P71-T	137 93				.22 .22	NO NO		115 115	
B 1022	1		P63-M* P71-U	137 93				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 171 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1023	1		P63-K* P71-V	137 93				.22 .22	NO NO		115 115	
B 1024	1		P63-J* P71-W	137 93				.22 .22	NO NO		115 115	
B 1025	1		P63-D P71-Y	137 93				.22 .22	NO NO		115 115	
B 1026	1		P63-B P71-Z	137 93				.22 .22	NO NO		115 115	
B 1027	1		P63-E P71-A*	137 93				.22 .22	NO NO		115 115	
B 1028	1		P63-F P71-B*	137 93				.22 .22	NO NO		115 115	
B 1029	1		P63-G P71-G*	137 93				.22 .22	NO NO		115 115	
B 1030	1		P63-H P71-H*	137 93				.22 .22	NO NO		115 115	
B 1031	1		P63-J P71-I*	137 93				.22 .22	NO NO		115 115	
B 1032	1		P63-K P71-J*	137 93				.22 .22	NO NO		115 115	
B 1033	1		P63-L P71-K*	137 93				.22 .22	NO NO		115 115	
B 1034	1		P63-M P71-M*	137 93				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 172 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1035	1		P63-N P71-N*	137 93				.22 .22	NO NO		115 115	
B 1036	1		P63-P P71-R*	137 93				.22 .22	NO NO		115 115	
B 1037	2		P64-S TB7-3	134 223				.22 .20	NO NO		127 74	
B 1038	2		P64-T TB8-2	134 214				.22 .20	NO NO		127 74	
B 1039	1		P54-FF P115A-22	134 78				.22 .12	NO NO		115 113	
B 1040	1		P54-CC P115A-21	134 78				.22 .12	NO NO		115 113	
B 1041	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1041B	1		E306-B SHLD B1041	57				.25 .25	NO NO			
B 1041L			P65-F* P116A-24	131 58				.22 .12	NO NO		115 113	
B 1041R			P65-F P116A-23	131 58				.22 .12	NO NO		115 113	
B 1042	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1042B	1		E334-B SHLD B1042	56				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 173 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1042L			P65-C* P116A-28	131 58				.22 .12	NO NO		115 113	
B 1042R			P65-C P116A-27	131 58				.22 .12	NO NO		115 113	
B 1043	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1043B	1		E306-B SHLD B1043	57				.25 .25	NO NO			
B 1043L			P65-G* P116A-12	131 58				.22 .12	NO NO		115 113	
B 1043R			P65-G P116A-11	131 58				.22 .12	NO NO		115 113	
B 1044	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1044B	1		E306-B SHLD B1044	57				.25 .25	NO NO			
B 1044L			P65-E* P116A-16	131 58				.22 .12	NO NO		115 113	
B 1044R			P65-E P116A-15	131 58				.22 .12	NO NO		115 113	
B 1045	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1045B	1		E306-B SHLD B1045	57				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 174 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1045L			P65-D* P116A-22	131 58				.22 .12	NO NO		115 113	
B 1045R			P65-D P116A-21	131 58				.22 .12	NO NO		115 113	
B 1046	7				2.25 [illegible]	2.00 [illegible]				A,7 B,6A	120 120,119	
B 1046B	1		E323-B SHLD B1046	128				.25 .25	NO NO			
B 1046L			P65-N* P71-K	131 93				.22 .22	NO NO		115 115	
B 1046R			P65-N P71-J	131 93				.22 .22	NO NO		115 115	
B 1047	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1047A	1		E323-B SHLD B1047	128				.25 .25	NO NO			
B 1047B			DELETED									
B 1047L			P65-P* P71-M	131 93				.22 .22	NO NO		115 115	
B 1047R			P65-P P71-L	131 93				.22 .22	NO NO		115 115	
B 1048	1		P65-DD P71-E*	131 93				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1049	1		P65-EE P71-D*	131 93				.22 .22	NO NO		115 115	
B 1050	3		P65-A E337-B	131 82				.22 .25	NO NO		115	
B 1051	3		P65-X TB1-1	131 161				.22 .20	NO NO		115 73	
B 1052	3		P65-Y TB2-1	131 158				.22 .20	NO NO		115 74	
B 1053	3		P65-Z TB3-1	131 150				.22 .20	NO NO		115 73	
B 1054	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1054B	1		E337-B SHLD B1054	82				.25 .25	NO NO			
B 1054L			P65-W* P106A-24	131 83				.22 .12	NO NO		115 113	
B 1054R			P65-V* P106A-23	131 83				.22 .12	NO NO		115 113	
B 1055	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1055B	1		E326-B SHLD B1055	66				.25 .25	NO NO			
B 1055L			P65-Y* P107A-4	131 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1055R			P65-X* P107A-3	131 65				.22 .12	NO NO		115 113	
B 1056	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1056B	1		E337-B SHLD B1056	82				.25 .25	NO NO			
B 1056L			P65-A* P106A-30	131 83				.22 .12	NO NO		115 113	
B 1056R			P65-Z* P106A-29	131 83				.22 .12	NO NO		115 113	
B 1057	118				4.00 .52	3.75 .23				B,6B	119,124,120 120, 97, 98	
B 1057A			SHLD B1057 P65-NN	 131				.25 .22	NO NO		 115	
B 1057E			P65-MM P128C-1A	131 167C				.22 .11	NO NO		115 96	
B 1057X			SHLD B1057 P128C-1B	 167C								
B 1058	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1058B	1		P100A-10 SHLD B1058	88				.12 .25	NO NO		113	
B 1058E			P66-B1 P100A-9	135 88				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1058X			P66-B2 SHLD B1058	135								
B 1059	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1059B	1		P100A-16 SHLD B1059	88				.12 .25	NO NO			
B 1059E			P66-D1 P100A-15	135 88				.11 .12	NO NO		90 138	
B 1059X			P66-D2 SHLD B1059	135								
B 1060	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1060B	1		P104A-10 SHLD B1060	70				.12 .25	NO NO		113	
B 1060E			P66-A1 P104A-9	135 70				.11 .12	NO NO		90 113	
B 1060X			P66-A2 SHLD B1060	135								
B 1061	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1061B	1		P104A-22 SHLD B1061	70				.12 .25	NO NO		113	
B 1061E			P66-E1 P104A-21	135 70				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1061X			P66-E2 SHLD B1061	135								
B 1062	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1062B	1		P104A-24 SHLD B1062	70				.12 .25			113	
B 1062E			P66-C1 P104A-23	135 70				.11 .12	NO NO		90 113	
B 1062X			P66-C2 SHLD B1062	135								
B 1063	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1063B	1		P110A-6 SHLD B1063	63				.12 .25	NO NO		113	
B 1063E			P66-G1 P110A-5	135 63				.11 .12	NO NO		90 113	
B 1063X			P66-G2 SHLD B1063	135								
B 1064	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,124,120	
B 1064B	1		P111A-12 SHLD B1064	42				.12 .25	NO NO		113	
B 1064E			P66-F1 P111A-11	135 42				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1064X			P66-F2 SHLD B1064	135								
B 1065	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1065E			P67-G1 P127C-1A	132 166				.11 .11	NO NO		90 96	
B 1065X			P67-G2 P127C-1B	132 166								
B 1066	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1066E			P67-H1 P127C-3A	132 166				.11 .11	NO NO		90 96	
B 1066X			P67-H2 P127C-3B	132 166								
B 1067	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1067E			P67-J1 P127C-5A	132 166				.11 .11	NO NO		90 96	
B 1067X			P67-J2 P127C-5B	132 166								
B 1068	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1068E			P68-D1 P128B-7A	129 167B				.11 .11	NO NO		90 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1068X			P68-D2 P128B-7B	129 167B								
B 1069	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1069E			P69-H1 P127C-2A	136 166				.11 .11	NO NO		90 96	
B 1069X			P69-H2 P127C-2B	136 166								
B 1070	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1070E			P69-J1 P127C-4A	136 166				.11 .11	NO NO		90 96	
B 1070X			P69-J2 P127C-4B	136 166								
B 1071	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1071E			P70-A1 P127C-6A	133 166				.11 .11	NO NO		90 96	
B 1071X			P70-A2 P127C-6B	133 166								
B 1072	3		P90-E P129B-32	21 174B				.20 .12	YES NO		 138	
B 1073	3		P90-I P129B-32	21 174B				.20 .12	YES NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1074	9				4.00 2.25	3.75 2.00				B,6A A,7	120,121 120	
B 1074A	1		SHLD B1074 E335-B	 22				.25 .25	NO NO			
B 1074L			P90-F P99-N*	21 186				.20 .22	YES NO		 127	
B 1074R			P90-G P99-M*	21 186				.20 .22	YES NO		 127	
B 1075	2		P90-H P126F-32	21 30				.20 .22	YES NO		 138	
B 1076	3		P91-Z E336-B	173 59				.22 .25	NO NO		115	
B 1077	2		P91-A P126F-23	173 30				.22 .22	NO NO		127 138	
B 1078	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1078B	1		P106D-32 SHLD B1078	80				.12 .25	NO NO		138	
B 1078L			P91-B* P106D-24	173 80				.22 .12	NO NO		115 113	
B 1078R			P91-B P106D-23	173 80				.22 .12	NO NO		115 113	
B 1079	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1079B	1		P106D-32 SHLD B1079	80				.12 .25	NO NO			
B 1079L			P91-F* P106D-30	173 80				.22 .12	NO NO		115 113	
B 1079R			P91-F P106D-29	173 80				.22 .12	NO NO		115 113	
B 1080	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1080B	1		E304-B SHLD B1080	62				.25 .25	NO NO			
B 1080L			P91-D* P107D-2	173 64				.22 .12	NO NO		115 113	
B 1080R			P91-D P107D-1	173 64				.22 .12	NO NO		115 113	
B 1081	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1081B	1		E336-B SHLD B1081	59				.25 .25	NO NO			
B 1081L			P91-H* P110D-12	173 60				.22 .12	NO NO		115 113	
B 1081R			P91-H P110D-11	173 60				.22 .12	NO NO		115 113	
B 1082	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1082B	1		E336-B SHLD B1082	59				.25 .25	NO NO			
B 1082L			P91-M* P110D-16	173 60				.22 .12	NO NO		115 113	
B 1082R			P91-M P110D-15	173 60				.22 .12	NO NO		115 113	
B 1083	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1083B	1		E336-B SHLD B1083	59				.25 .25	NO NO			
B 1083L			P91-P* P110D-18	173 60				.22 .12	NO NO		115 113	
B 1083R			P91-P P110D-17	173 60				.22 .12	NO NO		115 113	
B 1084	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1084B	1		E316-B SHLD B1084	34				.25 .25	NO NO			
B 1084L			P91-W* P117D-6	173 35				.22 .12	NO NO		115 113	
B 1084R			P91-W P117D-5	173 35				.22 .12	NO NO		115 113	
B 1085	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1085B	1		E316-B SHLD B1085	34				.25 .25	NO NO			
B 1085L			P91-V* P117D-10	173 35				.22 .12	NO NO		115 113	
B 1085R			P91-V P117D-9	173 35				.22 .12	NO NO		115 113	
B 1086	1		P92-W P99-K*	183 186				.22 .22	NO NO		115 115	
B 1087	3		P92-N* E300-B	183 43				.22 .25	NO NO		115	
B 1088	1		P92-B P106D-21	183 80				.22 .12	NO NO		115 113	
B 1089	2		P92-M* TB8-1	183 215				.22 .20	NO NO		127 74	
B 1090	1		P92-M P99-E	183 186				.22 .22	NO NO		115 115	
B 1091	1		P92-L P129D-12	183 1740				.22 .12	NO NO		115 113	
B 1092	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1092B	1		E300-B SHLD B1092	43				.25 .25	NO NO			
B 1092L			P92-DD P108D-30	183 45				.22 .12	NO NO		115 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1092R			P92-CC P108D-29	183 45				.22 .12	NO NO		115 113	
B 1093	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1093B	1		E300-B SHLD B1093	43				.25 .25	NO NO			
B 1093L			P92-FF P108D-26	183 45				.22 .12	NO NO		115 113	
B 1093R			P92-EE P108D-25	183 45				.22 .12	NO NO		115 113	
B 1094	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1094B	1		E300-B SHLD B1094	43				.25 .25	NO NO			
B 1094L			P92-HH P108A-20	183 45				.22 .12	NO NO		115 113	
B 1094R			P92-GG P108A-19	183 45				.22 .12	NO NO		115 113	
B 1095	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1095B	1		E300-B SHLD B1095	43				.25 .25	NO NO			
B 1095L			P92-KK P108A-14	183 45				.22 .12	NO NO		115 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1095R			P92-JJ P108A-13	183 45				.22 .12	NO NO		115 113	
B 1096	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1096B	1		E300-B SHLD B1096	43				.25 .25	NO NO			
B 1096L			P92-MM P108A-8	183 45				.22 .12	NO NO		115 113	
B 1096R			P92-LL P108A-7	183 45				.22 .12	NO NO		115 113	
B 1097	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1097B			P103A-10 SHLD B1097	85				.12 .25	NO NO		113	
B 1097E			P93-C1 P103A-9	130 85				.11 .12	NO NO		90 113	
B 1097X			P93-C2 SHLD B1097	130								
B 1098	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1098B			P103A-12 SHLD B1098	85				.12 .25	NO NO		113	
B 1098E			P93-D1 P103A-11	130 85				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1098X			P93-D2 SHLD B1098	130								
B 1099	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 119,120	
B 1099B			P103A-6 SHLD B1099	85				.12 .25	NO NO		113	
B 1099E			P93-E1 P103A-5	130 85				.11 .12	NO NO		90 113	
B 1099X			P93-E2 SHLD B1099	130								
B 1100	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1100E			P94-A1 P128C-4A	127 167C				.11 .11	NO NO		90 96	
B 1100X			P94-A2 P128C-4B	127 167C								
B 1101	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1101E			P94-B1 P128C-5A	127 167C				.11 .11	NO NO		90 96	
B 1101X			P94-B2 P128C-5B	127 167C								
B 1102	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1102E			P94-C1 P128C-2A	127 167C				.11 .11	NO NO		90 96	
B 1102X			P94-C2 P128C-2B	127 167C								
B 1103	118				.52 .52	.23 .23				A,10	92, 94,120 120, 97, 98	
B 1103E			P94-D1 P128C-3A	127 167C				.11 .11	NO NO		90 96	
B 1103X			P94-D2 P128C-3B	127 167C								
B 1106	2		P95-A P126E-22	89 31				.22 .22	NO NO		117 138	
B 1107	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1107B	1		P110A-31 SHLD B1107	63				.12 .25	NO NO		113	
B 1107L			P96-D* P110A-10	182 63				.22 .12	NO NO		115 113	
B 1107R			P96-E* P110A-9	182 63				.22 .12	NO NO		115 113	
B 1108	1		P96-M* P118A-11	182 75				.22 .12	NO NO		115 113	
B 1109	1		P96-N* P118A-12	182 75				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL. ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1110	1		P98-F P108A-1	187 46				.22 .12	NO NO		115 113	
B 1111	1		P98-U* P129B-12	187 174B				.22 .12	NO NO		115 113	
B 1112	1		P99-F* TB4-2	186 225				.22 .20	NO NO		115 73	
B 1113	1		P99-S TB4-10	186 227				.22 .20	NO NO		115 73	
B 1114	1		P99-P* P122D-32	186 51				.22 .12	NO NO		115 138	
B 1115	1		P99-K P129B-3	186 174B				.22 .12	NO NO		115 113	
B 1116	1		P99-Z P130A-9	186 179A				.22 .12	NO NO		115 113	
B 1121	1		P25-NN P27-HH	195 185				.22 .22	NO NO		115 115	
B 1122	1		P31-F* P129E-23	191 23E				.22 .12	NO NO		115 113	
B 1129	118				.38 .52	.19 .23					128,131,120 120, 97, 98	
B 1129E			P60-1A P128C-6A	122 167C				.19 .11	NO NO		132 96	
B 1129X			P60-1B P128C-6B	122 167C								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1130	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,121	
B 1130B	1		E332-B	73				.25	NO			
			SHLD B1130					.25	NO			
B 1130L			P62-31	125				.19	NO		134	
			P121A-20	74				.12	NO		113	
B 1130R			P62-15	125				.19	NO		134	
			P121A-19	74				.12	NO		113	
B 1140	1		P71-T*	93				.22	NO		115	
			P118A-32	75				.12	NO		113	
B 1141	1		P36-R	181				.22	NO		115	
			P99-C	186				.22	NO		115	
B 1142	1		P99-D	186				.22	NO		115	
			P130A-1	179A				.12	NO		113	
B 1143	1		P99-U	186				.22	NO		115	
			P129B-7	174B				.12	NO		113	
B 1144	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1144B	1		P122D-32	51				.12	NO			
			SHLD B1144					.25	NO			
B 1144L			P99-X*	186				.22	NO		115	
			P122D-6	51				.12	NO		113	
B 1144R			P99-Y*	186				.22	NO		115	
			P122D-5	51				.12	NO		113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1145	1		J21-T	2				.22	NO		114	
			P99-GG	186				.22	NO		115	
B 1150	1		P92-C	183				.22	NO		115	
			P105D-1	47				.12	NO		113	
B 1156	1		P115D-29	77				.12	NO		113	
			TB5-1	228				.20	NO		73	
B 1157	1		P116D-5	55				.12	NO		113	
			TB5-4	231				.20	NO		73	
B 1165	1		P108D-2	45				.12	NO		113	
			TB8-8	208				.20	NO		74	
B 1166	2		P110D-2	60				.22	NO		138	
			TB8-7	209				.20	NO		74	
B 1167	1		P110D-20	60				.12	NO		113	
			TB8-6	210				.20	NO		74	
B 1170	1		P114D-5	37				.12	NO		113	
			TB3-2	151				.20	NO		73	
B 1171	1		P114D-3	37				.12	NO		113	
			TB1-2	162				.20	NO		73	
B 1173	1		P114D-6	37				.12	NO		113	
			TB2-2	159				.20	NO		74	
B 1174	3		P115D-27	77				.12	NO		113	
			TB7-9	217				.20	NO		74	
B 1176	1		P115D-28	77				.12	NO		113	
			TB8-9	207				.20	NO		74	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1177	3		P115D-21	77				.12	NO		113	
			P130E-1	22E				.12	NO		113	
B 1178	1		P115D-30	77				.12	NO		113	
			TB6-5	239				.20	NO		74	
B 1180	5				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 1180B	1		P116D-4	55				.12	NO		113	
			SHLD B1180					.25	NO			
B 1180W			TB5-2	229				.20	NO		73	
			P116D-3	55				.12	NO		113	
B 1187	3		E301-BB	39				.25	NO			
			P108D-32	45				.12	NO		138	
B 1188	3		E302-BB	40				.25	NO			
			P108D-32	45				.12	NO			
B 1189	3		E303-BB	16				.25	NO			
			P105D-32	47				.12	NO		138	
B 1190	3		E304-BB	62				.25	NO			
			P107D-32	64				.12	NO		113	
B 1191	3		E305-BB	61				.25	NO			
			P107D-31	64				.12	NO		113	
B 1192	3		E306-BB	57				.25	NO			
			P116A-32	58				.12	NO		113	
B 1193	3		E307-BB	13				.25	NO			
			E302-B	40				.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 193 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1194	3		E308-BB	86				.25	NO			
			P100D-32	87				.12	NO		113	
B 1195	3		E309-BB	9				.25	NO			
			E308-B	86				.25	NO			
B 1196	3		E310-BB	19				.25	NO			
			E304-B	62				.25	NO			
B 1197	3		E311-BB	11				.25	NO			
			E312-B	178				.25	NO			
B 1198	3		E312-BB	178				.25	NO			
			P129A-31	174A				.12	NO		113	
B 1199	3		E313-BB	4				.25	NO			
			E328-B	175				.25	NO			
B 1201	3		E315-BB	172				.25	NO			
			E316-B	34				.25	NO			
B 1202	3		E316-BB	34				.25	NO			
			P117D-31	35				.12	NO		113	
B 1204	3		E321-BB	204				.25	NO			
			P117A-32	36				.12	NO			
B 1205	3		E322-BB	177				.25	NO			
			P129B-31	174B				.12	NO		113	
B 1206	3		E323-BB	128				.25	NO			
			E327-B	81				.25	NO			
B 1207	3		E324-BB	180				.25	NO			
			E328-B	175				.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR H | SHEET 194 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1208	3		E325-BB	67				.25	NO			
			P107A-31	65				.12	NO		113	
B 1209	3		E326-BB	66				.25	NO			
			P107A-32	65				.12	NO		113	
B 1210	3		E327-BB	81				.25	NO			
			P106A-31	83				.12	NO		113	
B 1211	3		E328-BB	175				.25	NO			
			P129D-31	174D				.12	NO		113	
B 1212	3		E329-BB	44				.25	NO			
			P108A-32	46				.12	NO		113	
B 1213	3		E330-BB	76				.25	NO			
			P118A-31	75				.12	NO		113	
B 1214	3		E331-BB	69				.25	NO			
			P104A-31	70				.12	NO		113	
B 1215	3		E332-BB	73				.25	NO			
			P121A-31	74				.12	NO		113	
B 1216	3		E333-BB	124				.25	NO			
			P101A-31	71				.12	NO		138	
B 1217	3		E334-BB	56				.25	NO			
			P116A-31	58				.12	NO		113	
B 1218	3		E335-BB	22				.25	NO			
			E322-B	177				.25	NO			
B 1219	3		E336-BB	59				.25	NO			
			P110D-32	60				.12	NO		113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 195 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1220	3		E337-BB	82				.25	NO			
			P106A-32	83				.12	NO		113	
B 1221	118				.52	.23					120, 97, 98	
					.52	.23					120, 97, 98	
B 1221E			P128B-6A	167B				.11	NO		96	
			P128B-2CA	167B				.11	NO		96	
B 1221X			P128B-6B	167B								
			P128B-20B	167B								
B 1225	2		P71-A	93				.22	NO		127	
			P126E-25	31				.22	NO		138	
B 1226	2		E338-BB	8				.25	NO			
			J19-V	7				.22	NO		116	
B 1229	9				4.00	3.75				B,6A	120,121	
					2.25	2.00				A,7	120	
B 1229A	3		SHLD B1229					.25	NO			
			E338-B	8				.25	NO			
B 1229L			J19-N	7				.22	NO		126	
			P11-LL	250				.22	NO		126	
B 1229R			J19-L	7				.22	NO		126	
			P11-P*	250				.22	NO		126	
B 1230	1		J16-AA	20				.22	NO		114	
			P113A-29	59A				.12	NO		113	
B 1231	3		F300-BB	43				.25	NO			
			P108A-32	46				.12	NO		113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 196 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1232	2		P71-S*	93				.22	NO		127	
			TB8-3	213				.25	NO		74	
B 1233	118				.38	.19					120,128,131	
					.52	.23					120, 97, 98	
B 1233E			J136-1	29A				.19	NO		132	
			P128C-7A	167C				.11	NO		96	
B 1233X			J136-2	29A								
			P128C-7B	167C								
B 1234			DELETED									
B 1235	3		J21-W*	2				.22	NO		114	
			P27-KK	185				.22	NO		115	
B 1236	1		J25-A*	6				.22	NO		115	
			P27-FF	185				.22	NO		115	
B 1237			J25-B*	6				.22	NO		115	
			P36-B	191				.22	NO		115	
B 1238	1		J25-C*	6				.22	NO		115	
			P36-C	181				.22	NO		115	
B 1239	1		P118A-22	75				.12	NO		113	
			P36-A	181				.22	NO		115	
B 1240	2		J30-10	90				.19	NO		135	
			TB1-1	164				.25	NO		144	
B 1241	2		J30-12	90				.19	NO		135	
			TB2-1	158				.25	NO		74	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 197 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1242	2		J30-11	90				.19	NO		135	
			TB3-1	153				.25	NO		144	
B 1243	3		J19-C	7				.22	NO		114	
			P130A-3	179				.12	NO		113	
B 1244	3		J27-F	1				.22	NO		114	
			P26-J	194				.22	NO		115	
B 1245	118				.38	.19					128,131,120	
					.52	.31					128,129,120	
B 1245E			J29-7A	92				.19	NO		130	
			P60-46A	122				.19	NO		132	
B 1245X			J29-7B	92				.19	NO		130	
			P60-46B	122				.19	NO		132	
B 1246	3		P35-NN	184				.22	NO		115	
			P130A-11	179				.12	NO		113	
B 1247	3		J21-Y	2				.22	NO		115	
			P130E-11	22				.12	NO		113	
B 1248	3		P35-MM	184				.22	NO		115	
			J21-I*	2				.22	NO		115	
B 1249	3		P35-LL	184				.22	NO		115	
			J21-Z	2				.22	NO		115	
B 1250	3		P25-M*	195				.22	NO		115	
			J17-E*	15				.22	NO		114	
B 1251	3		P25-J*	195				.22	NO		115	
			J17-F*	15				.22	NO		114	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR H	SHEET 198 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1252	3		P25-H* J17-G*	195 15				.22 .22	NO NO		115 114	
B 1253			DELETED									
B 1254	3		P25-K* J17-P*	195 15				.22 .22	NO NO		115 114	
B 1255	3		P25-P* J17-Q*	195 15				.22 .22	NO NO		115 114	
B 1256	3		P25-R* J17-R*	195 15				.22 .22	NO NO		115 114	
B 1257	3		P25-Q* J17-S*	6 15				.22 .22	NO NO		115 114	
B 1258	3		P25-S* J17-X*	6 15				.22 .22	NO NO		115 114	
B 1259	3		P25-N* J17-Y*	6 15				.22 .22	NO NO		115 114	
B 1260	3		P25-F* J17-AA	6 15				.22 .22	NO NO		115 114	
B 1261	3		P25-G* J17-BB	6 15				.22 .22	NO NO		115 114	
B 1262	3		P11-W* P130B-11	250 179				.22 .12	NO NO		114 113	
B 1263	1		P99-C P31-K	186 191				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 199 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1264	1		P27-Y P26-T*	185 194				.22 .22	NO NO		115 115	
B 1265	3		P46-E P100A-32	117 68				.22 .12	NO NO		115 113	
B 1266	118				.52. 4.00	.23 3.75				A,10 B,68	92, 94,120 119,124,120	
B 1266B	1		P119A-24 SHLD B1266	54				.12 .25	NO NO		113	
B 1266E			P60-54A P119A-23	122 54				.11 .12	NO NO		90 113	
B 1266X			P60-54B SHLD B1266	122								
B 1267	118				.52 4.00	.23 3.75				A,10 B,68	92, 94,120 119,124,120	
B 1267B	1		P119A-22 SHLD B1266	54				.12 .25	NO NO		113	
B 1267E			P60-55A P119A-21	122 54				.11 .12	NO NO		90 113	
B 1267X			P60-55B SHLD B1266	122								
B 1268	1		J25-M* P110-A1	6 63				.22 .12	NO NO		115 113	
B 1269	1		J21-S* P96-V	2 182				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 200 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1270	1		J18-AA P115D-13	12 16				.22 .12	NO NO		 113	
B 1271	1		P24-B* P115D-7	196 16				.22 .12	NO NO		115 113	
B 1272	1		P130E-7 P115D-8	179B 16				.12 .12	NO NO		113 113	
B 1273	1		P61-52 P122A-7	123 23				.19 .12	NO NO		134 113	
B 1274	1		E339BB P105D-6	8A 45				.25 .12	NO NO		 113	
B 1275	2		E339B J19-F*	8A 7				.25 .22	NO NO		 116	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR H
SHEET 201 OF 209

MIL 2084 9-65

TABLE I

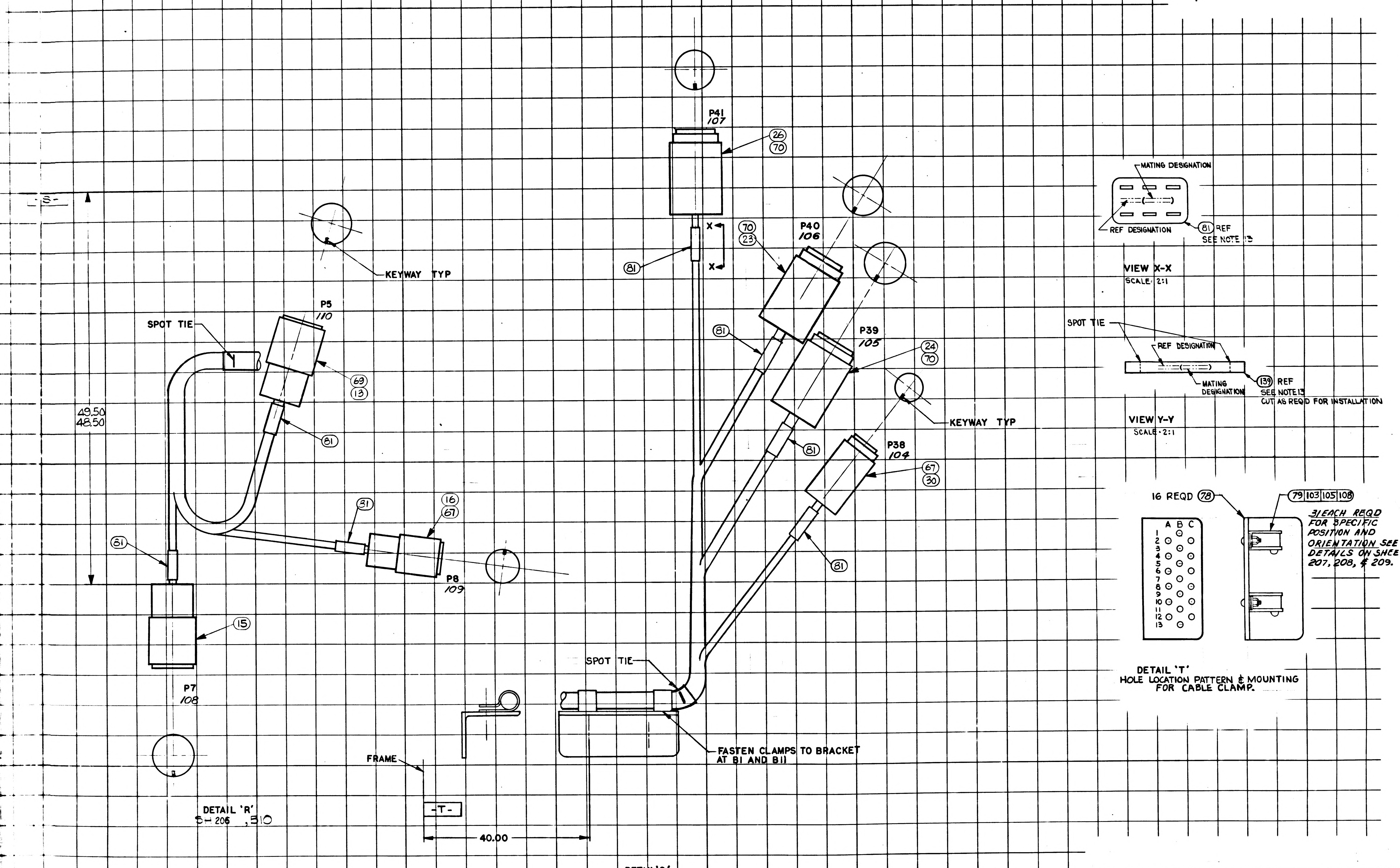
PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P1	A2J3	P46	A18J1	P100D	J100D
P2	A2J3	P47	A18J2	P101A	J101A
P3	A3J1	P48	A32J1	P102A	J102A
P4	A3J3	P49	A32J2	P102D	J102D
P5	A4J2	P50	A18J5	P103A	J103A
P7	A4J3	P51	A19J1	P103D	J103D
P8	A4J4	P52	A19J2	P104A	J104A
P11	A14J2	P53	A19J3	P104D	J104D
P12	A21J19	P54	A19J4	P105A	J105A
P13	A19J9	P55	A19J5	P105D	J105D
P14	A5J1	P56	A19J6	P106A	J106A
P15	A5J2	P57	A19J7	P106D	J106D
P16	A5J3	P58	A19J8	P107A	J107A
P17	A5J4	P59	A19J10	P107D	J107D
P19	A6J2	P60	A20J49	P108A	J108A
P20	A7J1	P61	A20J50	P108D	J108D
P21	A7J2	P62	A20J51	P109D	J109D
P22	A7J3	P63	A21J1	P110A	J110A
P23	A8J1	P64	A21J2	P110D	J110D
P24	A9J1	P65	A21J3	P111A	J111A
P25	A9J2	P66	A21J4	P111D	J111D
P26	A9J3	P67	A21J5	P113A	J113A
P27	A12J4	P68	A21J6	P114A	J114A
P28	A10J1	P69	A21J7	P114D	J114D
P29	A10J2	P70	A21J8	P115A	J115A
P30	A10J3	P71	A22J1	P115D	J115D
P31	A11J1	P90	A30J4	P116A	J116A
P32	A11J2	P91	A31J1	P116D	J116D
P33	A11J3	P92	A13J3	P117A	J117A
P34	A12J1	P93	A21J9	P117D	J117D
P35	A13J1	P94	A21J10	P118A	J118A
P36	A13J2	P95	A23J1	P119A	J119A
P37	A14J1	P96	A13J4	P119D	J119D
P38	A15J1	P97	A18J6	P120D	J120D
P39	A15J2	P98	A12J1	P121A	J121A
P40	A15J3	P99	A12J3	P121D	J121D
P41	A15J4	P100A	J100A	P122A	J122A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
REVISION G
NASA DRAWING NO. 2900542
SHEET 202 OF 209

TABLE I (CONTINUED)

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P122D	J122D				
P123A	J123A				
P127A	J127A				
P127B	J127B				
P127C	J127C				
P128A	J128A				
P128B	J128B				
P128C	J128C				
P129A	J129A				
P129B	J129B				
P129D	J129D				
P129E	J129E				
P129F	J129F				
P130A	J130A				
P130B	J130B				
P130C	J130C				
P130D	J130D				
P130E	J130E				
P130F	J130F				
P131	J131				
P132	J132				
P133	J133				
P134	J134				
P135	J135				
P136	J136				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION G	NASA DRAWING NO. 2900542 SHEET 203 OF 209


REVISIONS
SYM
ZONE
DESCRIPTION
CHG NO
DATE
APPD
-S-
49.50
48.50
KEYWAY TYP
SPOT TIE
P5
110
69
13
81
31
16
67
P8
109
81
P7
108
15
DETAIL 'R'
SH 206 , 310
P41
107
26
70
X
X
81
70
23
P40
106
81
P39
105
24
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KEYWAY TYP
81
P38
104
67
30
81
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B1 AND B11
FRAME
-T-
40.00
DETAIL'S'
SH 206 , B8
MATING DESIGNATION
REF DESIGNATION
81 REF
SEE NOTE 13
VIEW X-X
SCALE: 2:1
SPOT TIE
REF DESIGNATION
MATING DESIGNATION
139 REF
SEE NOTE 13
CUT AS REQ'D FOR INSTALLATION
VIEW Y-Y
SCALE: 2:1
16 REQD 78
79 103 105 108
A B C
1 2 3 4 5 6 7 8 9 10 11 12 13
31 EACH REQD FOR SPECIFIC POSITION AND ORIENTATION SEE DETAILS ON SHEETS 207, 208, & 209.
DETAIL 'T'
HOLE LOCATION PATTERN & MOUNTING FOR CABLE CLAMP.

NEXT ASSY	USED ON		
APPLICATION			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9 491

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 17 AUG 65
CHECKED [illegible] 19 AUG 65
APPROVAL [illegible]
APPROVAL [illegible]
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

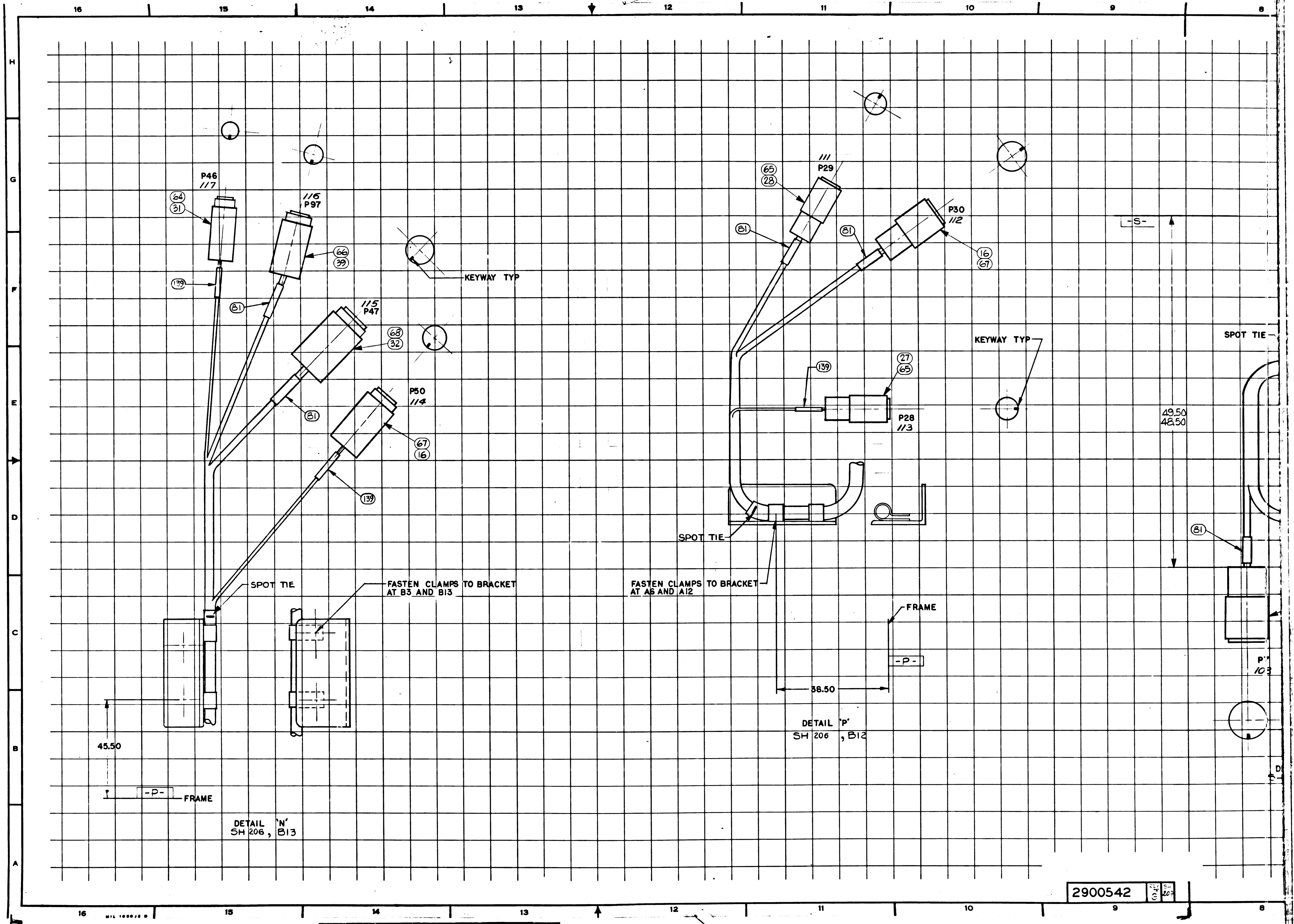
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIPING HARNESS 'B'

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 205 OF 26

00542

2/2900542



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KEYWAY TYP
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81
P50
114
67
16
139
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B3 AND B13
45.50
-P-
FRAME
111
P29
65
28
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81
P30
112
16
67
-S-
SPOT TIE
KEYWAY TYP
139
27
65
P28
113
49.50
48.50
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT A6 AND A12
FRAME
-P-
38.50
81
P
103
D

DETAIL 'N'
SH 206 , B13

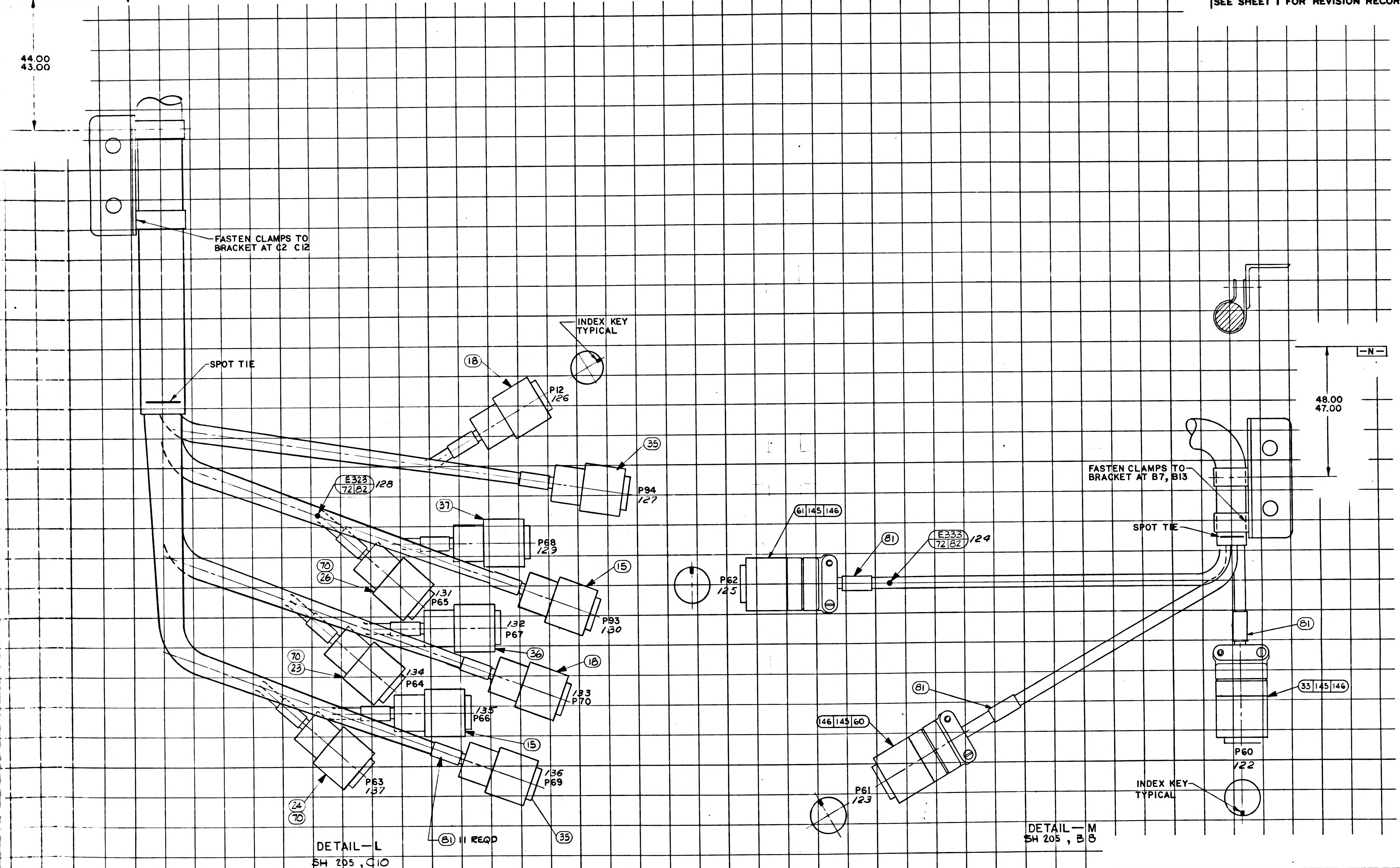
DETAIL 'P'
SH 206 , B12

2900542 | REV C | S-207

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD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FASTEN CLAMPS TO
BRACKET AT C2 C12
SPOT TIE
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TYPICAL
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P12
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P94
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E323
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128
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P68
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P93
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131
P65
132
P67
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DETAIL—L
SH 205 , C10
61 145 146
P62
125
81
E333
72 82
124
DETAIL—M
SH 205 , B8
146 145 60
81
P61
123
INDEX KEY
TYPICAL
P60
122
33 145 146
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SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B7, B13
48.00
47.00
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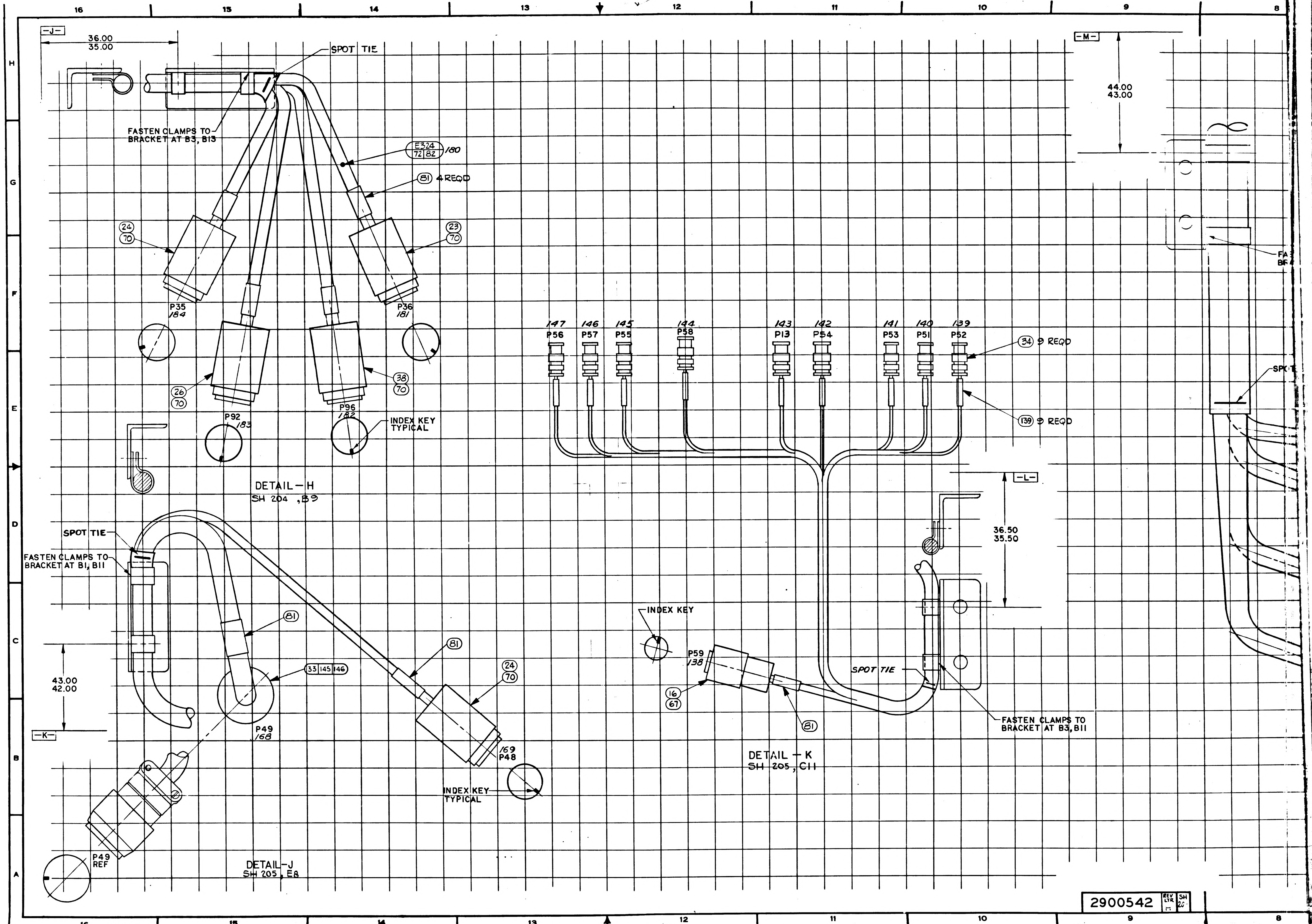
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + — + — + — — — —	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
DO NOT SCALE THIS DRAWING	DRAWN MAHAG DATE 19 AUG 65 CHECKED Hayden 19 AUG 65 APPROVAL 19 Aug 65 APPROVAL	WIRING HARNESS B
MATERIAL —	NASA APPROVAL MIT APPROVAL	CODE IDENT NO 99974 · SIZE J2 · 2900542
CONTRACT NAS 9-497		SCALE FULL · SHEET 20 OF 20

2900542 REV LTR — SH 20

2900542

27 2900542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-J-
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35.00
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B13
E324
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P35
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P36
181
26
70
38
70
P92
183
P96
182
INDEX KEY
TYPICAL
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B1, B11
81
81
133 145 146
24
70
43.00
42.00
-K-
P49
168
169
P48
INDEX KEY
TYPICAL
P49
REF
147 P56
146 P57
145 P55
144 P58
143 P13
142 P54
141 P53
140 P51
139 P52
34 9 REQD
139 9 REQD
-L-
36.50
35.50
INDEX KEY
P59
138
16
67
81
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B11
-M-
44.00
43.00
FA
BR
SPOT

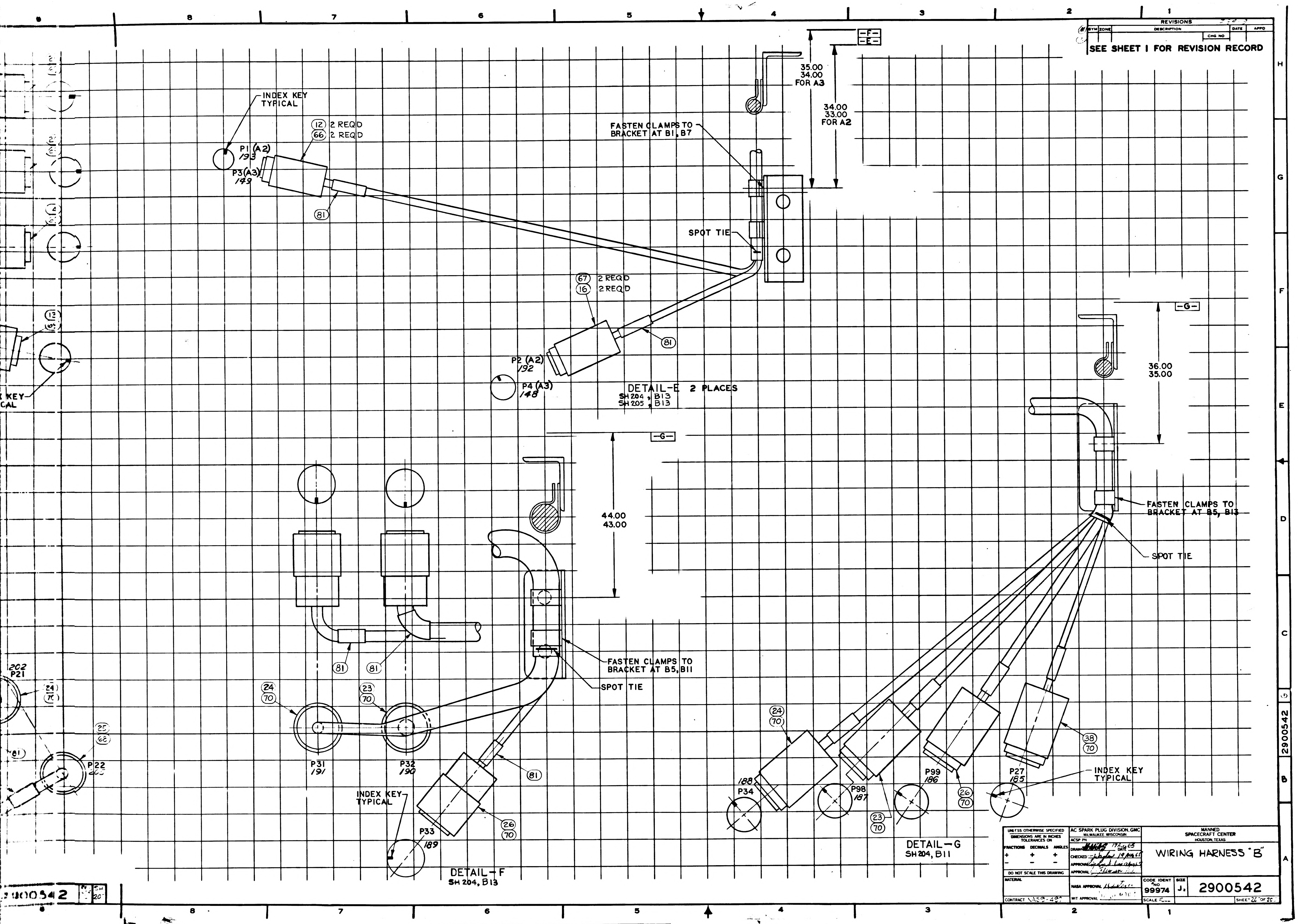
DETAIL – H
SH 204 , B9

DETAIL – J
SH 205 , E8

DETAIL – K
SH 205 , C11

2900542 REV LTR SH

1/2900542


SEE SHEET 1 FOR REVISION RECORD
REVISIONS
SYM ZONE DESCRIPTION DATE APPD
CHG NO
INDEX KEY TYPICAL
P1 (A2) 193
P3 (A3) 149
12 2 REQ'D
66 2 REQ'D
81
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
35.00
34.00
FOR A3
34.00
33.00
FOR A2
F
E
67 2 REQ'D
16 2 REQ'D
P2 (A2) 192
P4 (A3) 148
DETAIL-E 2 PLACES
SH 204, B13
SH 205, B13
G
44.00
43.00
81
FASTEN CLAMPS TO BRACKET AT B5, B11
SPOT TIE
24 70
23 70
P31 191
P32 190
INDEX KEY TYPICAL
P33 189
26 70
DETAIL-F
SH 204, B13
36.00
35.00
FASTEN CLAMPS TO BRACKET AT B5, B13
SPOT TIE
24 70
188 P34
P98 187
P99 186
23 70
26 70
P27 185
38 70
INDEX KEY TYPICAL
DETAIL-G
SH 204, B11
202 P21
P22 203
25 68
2900542
SH 20

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 17 Aug 65
CHECKED [illegible] 19 Aug 65
APPROVAL [illegible]
APPROVAL [illegible]
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
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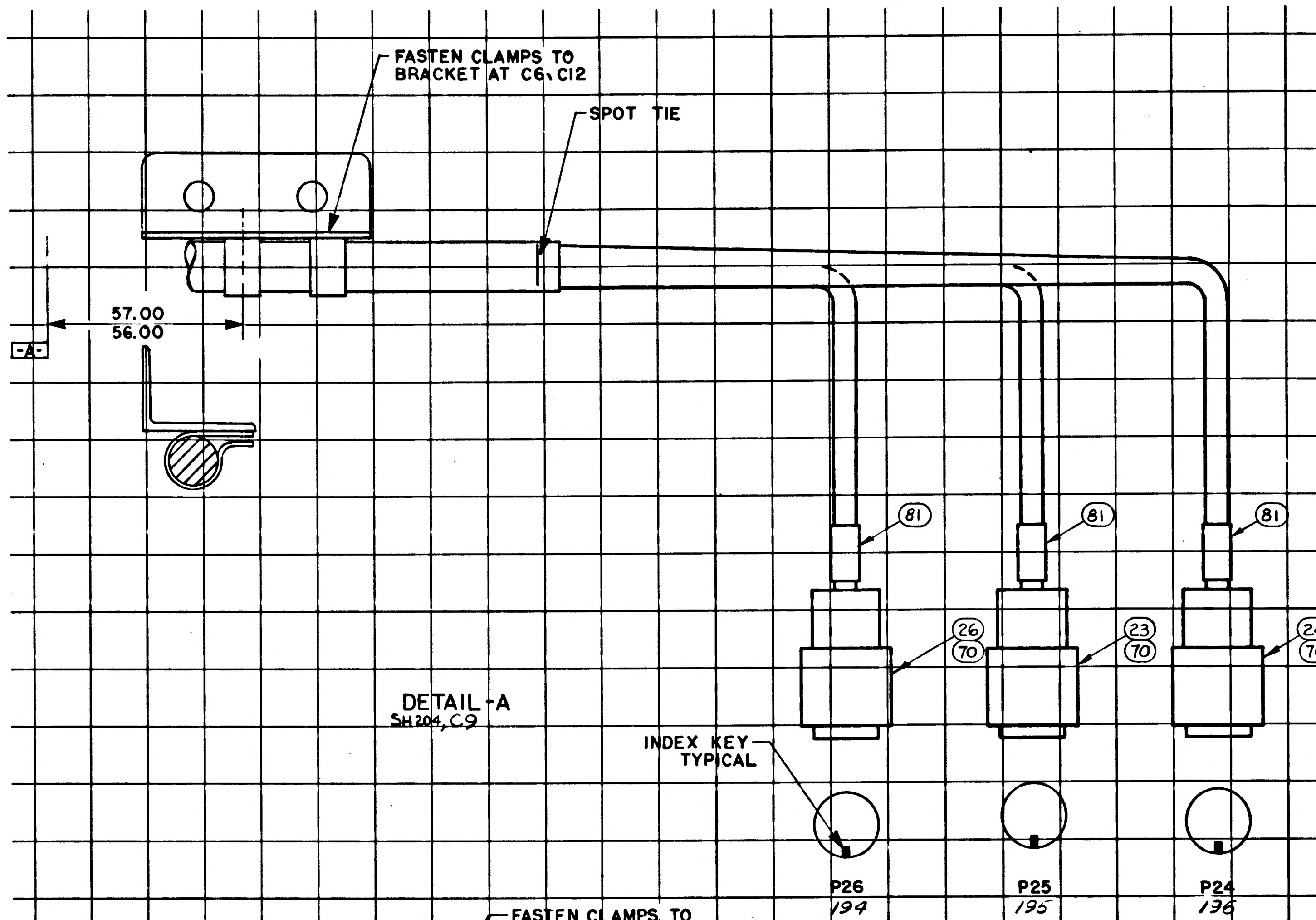
HOUSTON, TEXAS

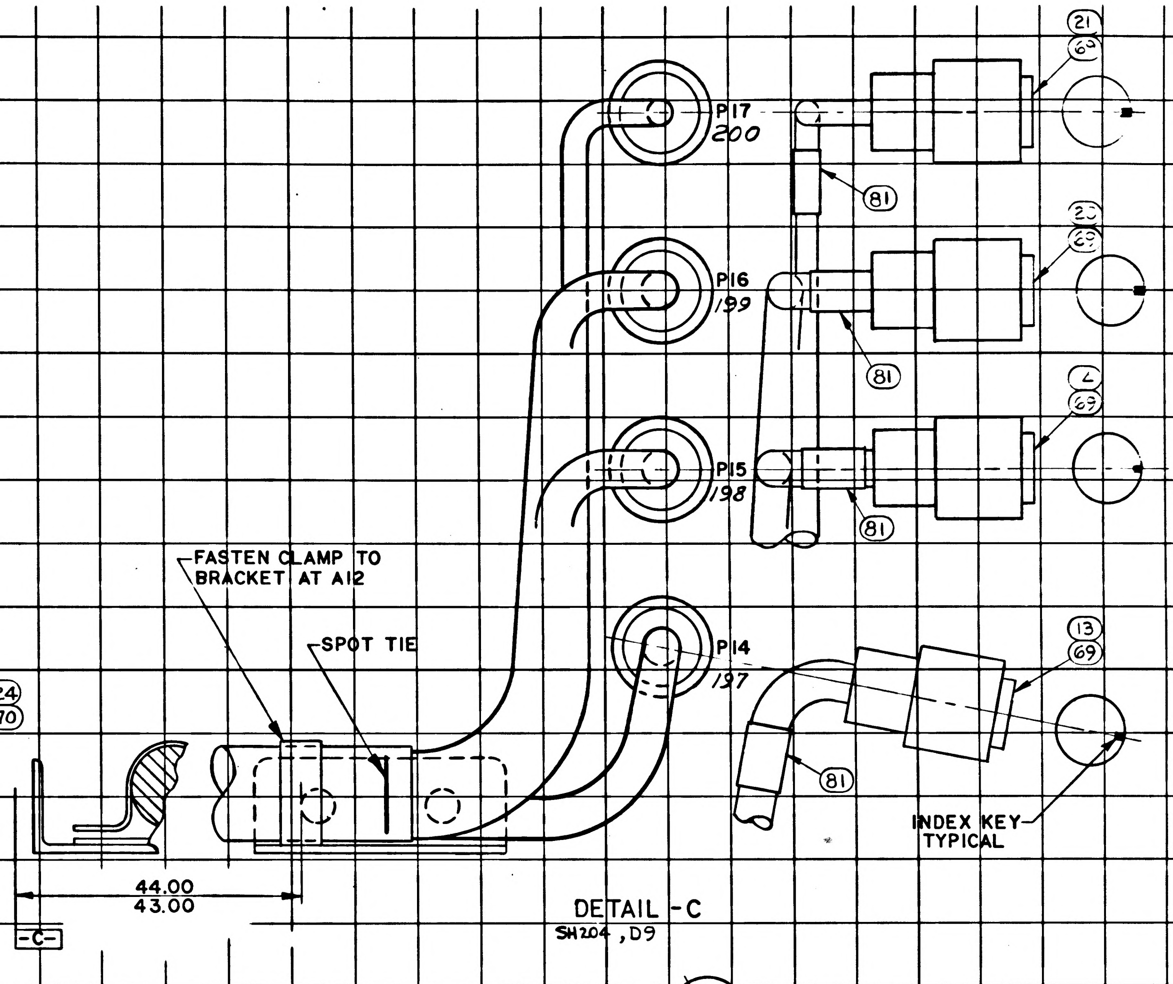
WIRING HARNESS "B"

CODE IDENT NO 99974
SIZE J
2900542
SCALE FULL
SHEET 20 OF 20

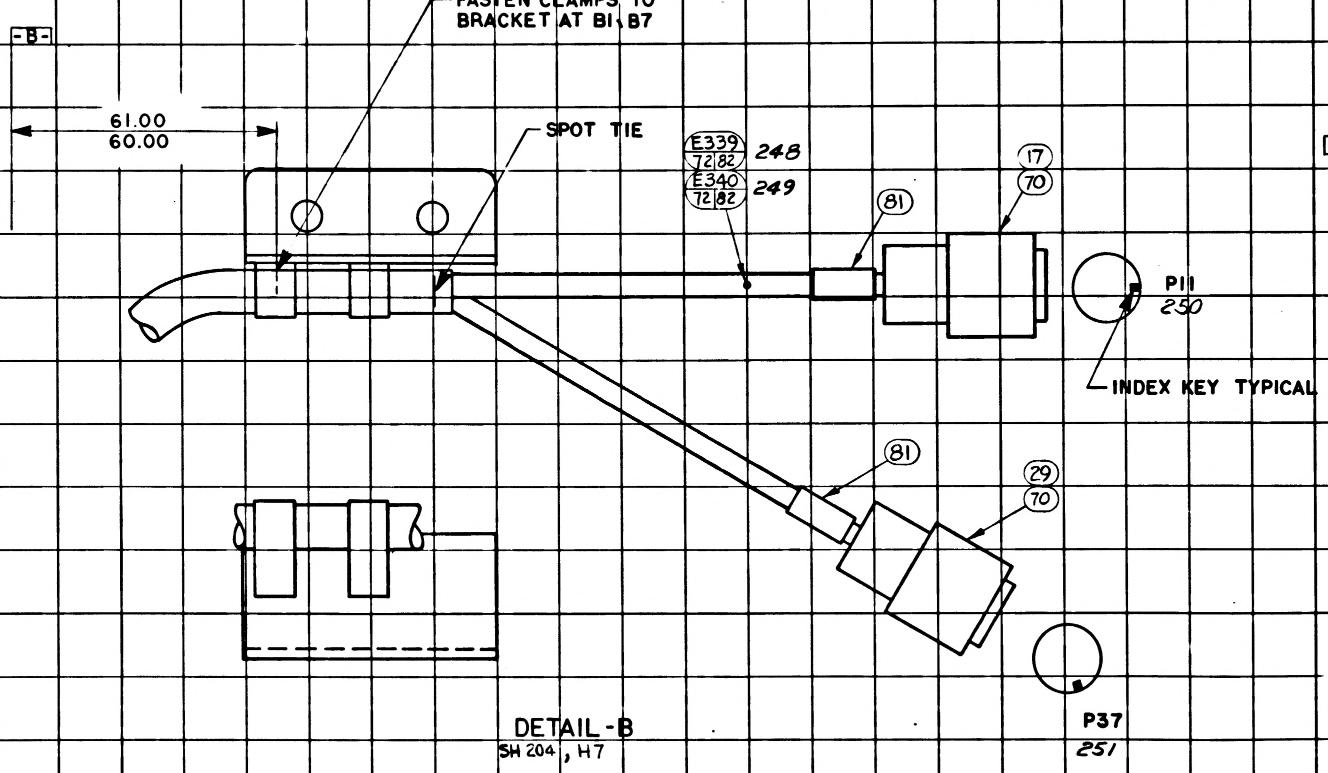
2/2900542


FASTEN CLAMPS TO BRACKET AT C6, C12
SPOT TIE
57.00
56.00
-A-
81
81
81
26
70
23
70
24
70
INDEX KEY TYPICAL
P26
194
P25
195
P24
196

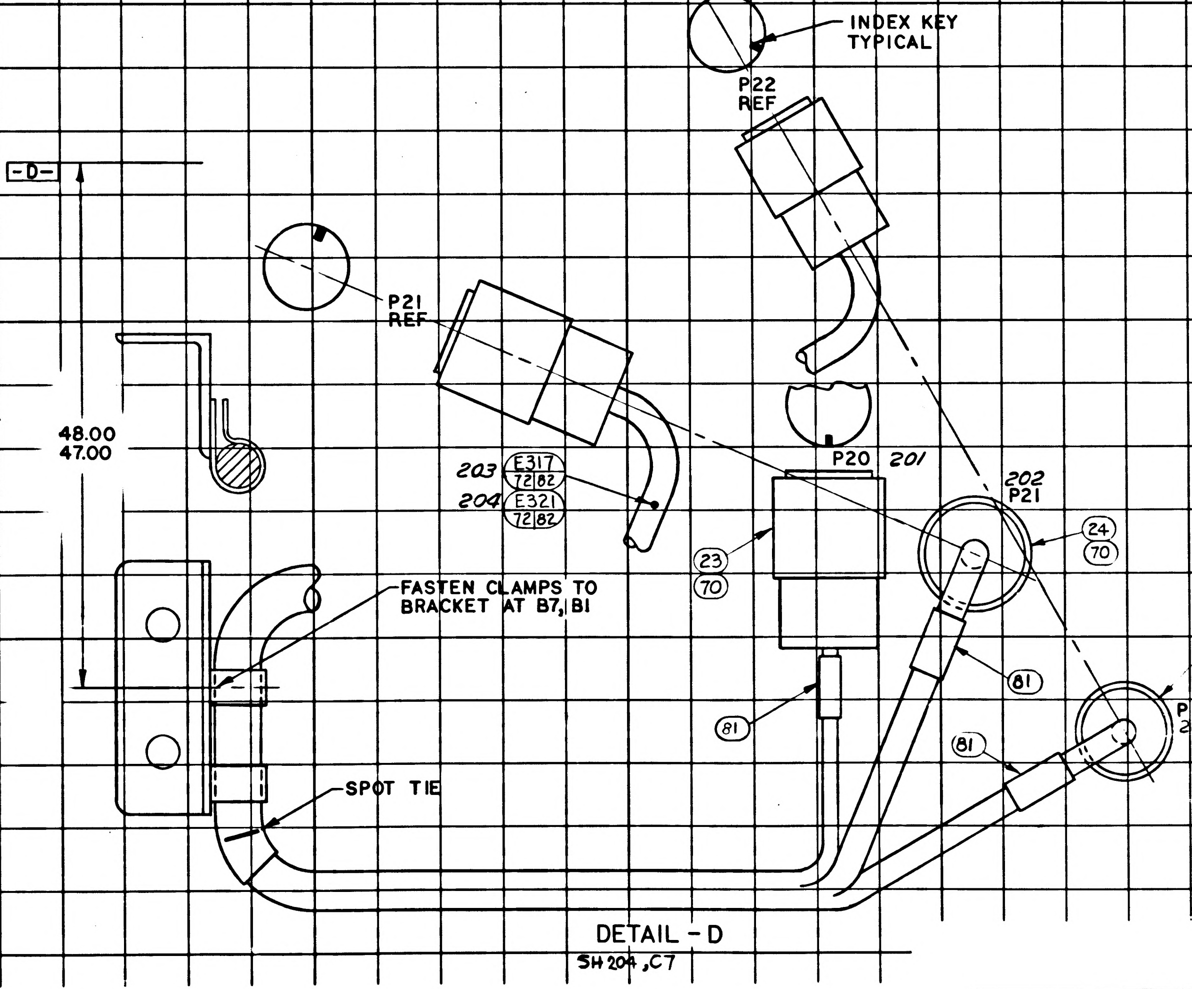
DETAIL-A
SH 204, C9


P17
200
P16
199
P15
198
P14
197
21
69
20
69
2
69
13
69
81
81
81
81
FASTEN CLAMP TO BRACKET AT A12
SPOT TIE
44.00
43.00
-C-
INDEX KEY TYPICAL

DETAIL -C
SH 204, D9

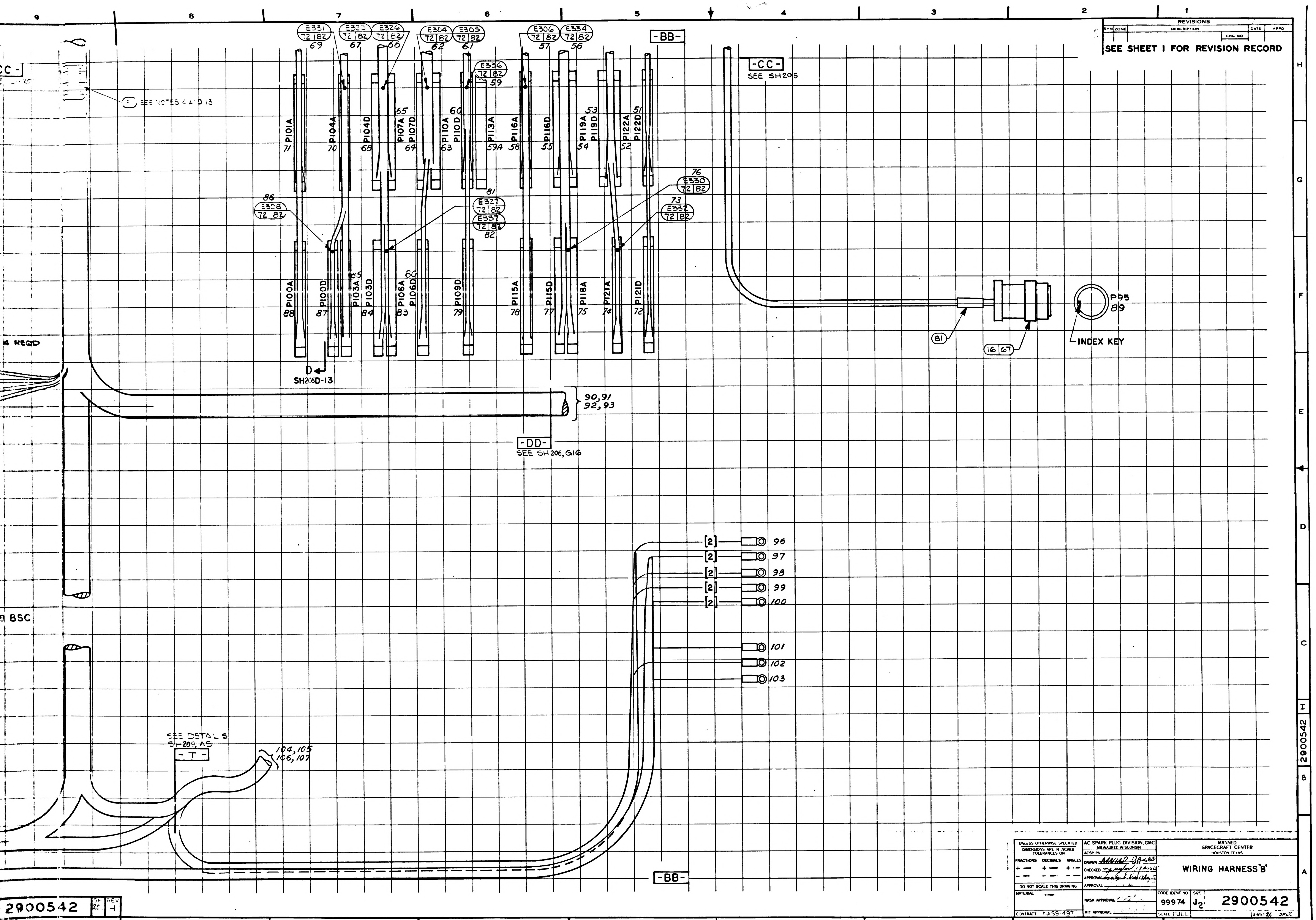

FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
61.00
60.00
-B-
E339 72|82 248
E340 72|82 249
81
17
70
P11
250
INDEX KEY TYPICAL
81
29
70
P37
251

DETAIL-B
SH 204, H7


INDEX KEY TYPICAL
P22
REF
-D-
P21
REF
48.00
47.00
203 E317 72|82
204 E321 72|82
P20 201
202
P21
24
70
23
70
81
81
81
25
68
P22
205
FASTEN CLAMPS TO BRACKET AT B7, B1
SPOT TIE

DETAIL - D
SH 204, C7

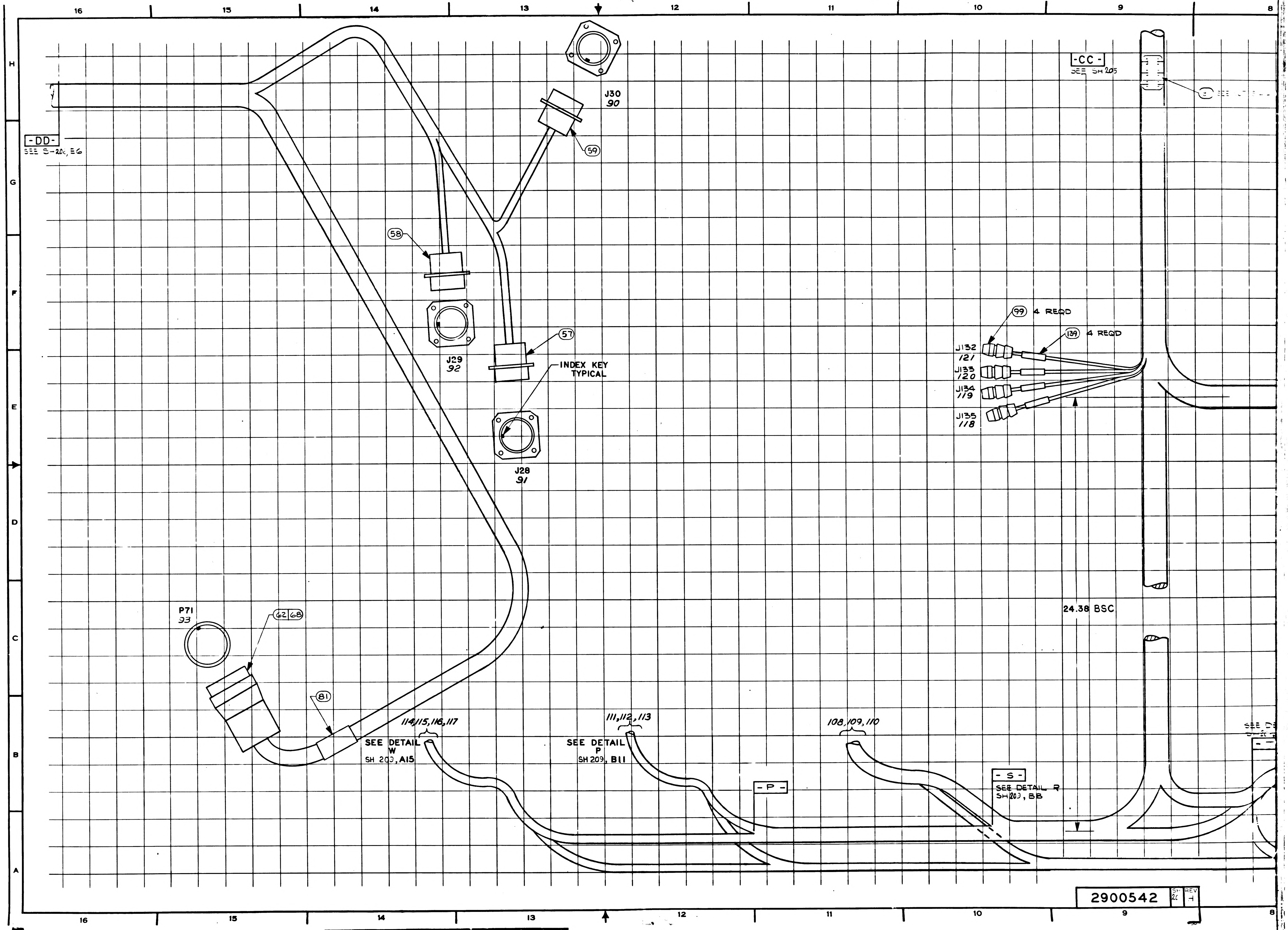
REVISIONS				
SYM ZONE	DESCRIPTION	CHG NO	DATE	APPD
SEE SHEET 1 FOR REVISION RECORD				



-CC-
SEE NOTES 4 & 13
E331 72 82 69
E323 72 82 67
E326 72 82 66
E304 72 82 62
E305 72 82 61
E336 72 82 59
E306 72 82 57
E334 72 82 56
-BB-
-CC- SEE SH205
P101A 71
P104A 70
P104D 68
P107A P107D 65 64
P110A P110D 60 63
P113A 59A
P116A 58
P116D 55
P119A P119D 53 54
P122A P122D 51 52
E308 72 82 86
E327 72 82
E337 72 82 82
81
E330 72 82 76
E332 72 82 73
P100A 88
P100D 87
P103A P103D 85 84
P106A P106D 80 83
P109D 79
P115A 78
P115D 77
P118A 75
P121A 74
P121D 72
D SH205D-13
REQD
81
16 67
P95 89
INDEX KEY
90,91 92,93
-DD- SEE SH 206, G16
BSC
[2] 96
[2] 97
[2] 98
[2] 99
[2] 100
101
102
103
SEE DETAILS SH 209, AE
-T-
104,105 106,107
-BB-
2900542 SH 26 REV H

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	ACSP PN		
DO NOT SCALE THIS DRAWING	DRAWN ANNAP DATE 17 AUG 65 CHECKED 19 AUG 65 APPROVAL 17 Aug 5 APPROVAL	WIRING HARNESS "B"	
MATERIAL —	NASA APPROVAL	CODE IDENT NO 99974	SIZE J2 2900542
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL	SHEET 26 OF 26

2/2900542

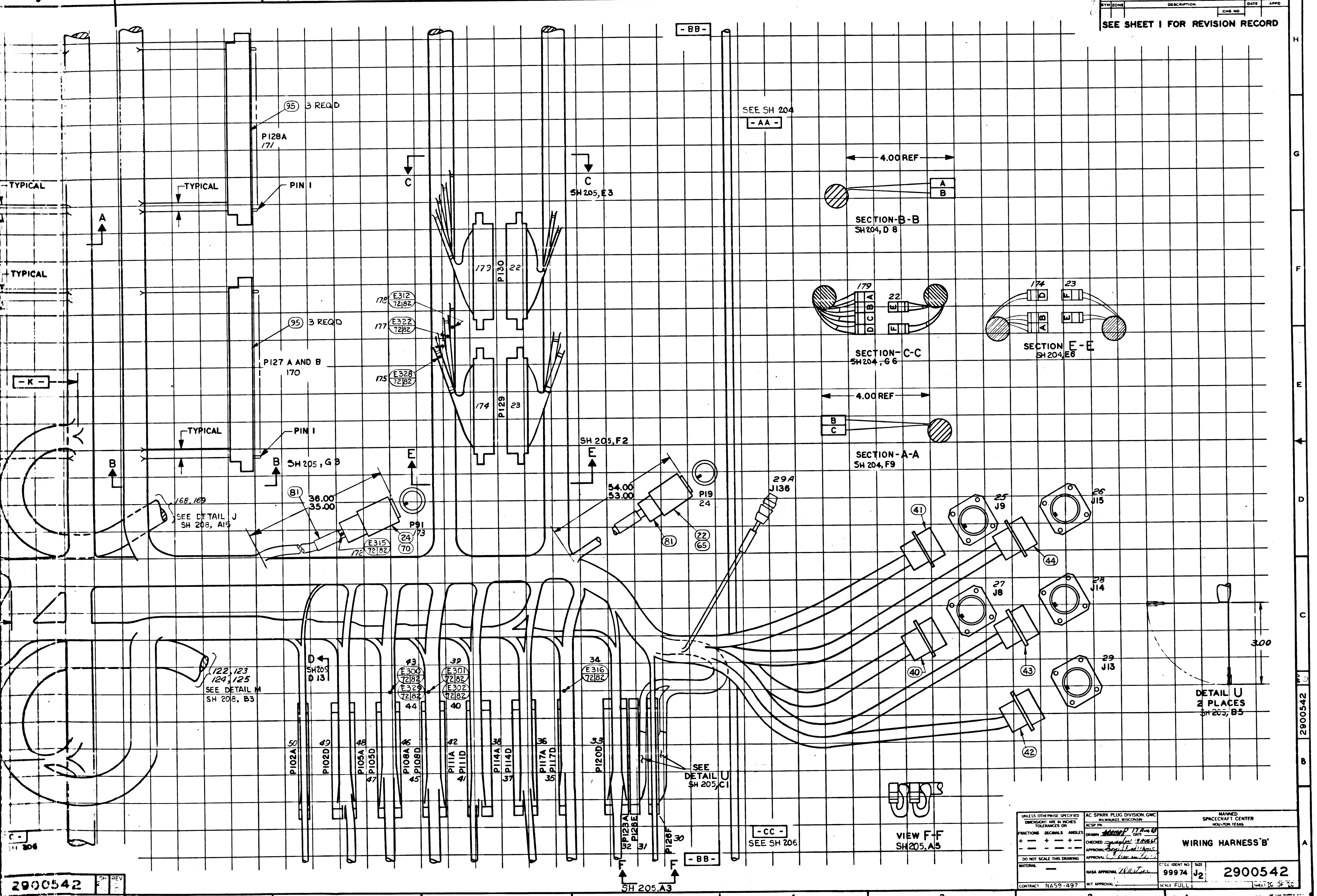

16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
-DD-
SEE S-20C, E6
J30
90
59
-CC-
SEE SH 205
58
J29
92
57
INDEX KEY
TYPICAL
J28
91
99 4 REQD
139 4 REQD
J132
121
J133
120
J134
119
J135
118
24.38 BSC
P71
93
62 68
81
114,115,116,117
SEE DETAIL
W
SH 203, A15
111,112,113
SEE DETAIL
P
SH 209, B11
-P-
108,109,110
-S-
SEE DETAIL R
SH 203, B8

2900542 SH 20 REV H

17-2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



- BB -
SEE SH 204
- AA -
95 3 REQ'D
P128A
171
TYPICAL
PIN 1
A
C
C
SH 205, E3
4.00 REF
A
B
SECTION-B-B
SH 204, D 8
179
P130
22
E312 72 82
178
E322 72 82
177
E328 72 82
175
174
P129
23
179
D C B A
22
E F
SECTION-C-C
SH 204, G 6
174
23
D
F
A B
E
SECTION E-E
SH 204, E6
95 3 REQ'D
P127 A AND B
170
- K -
TYPICAL
4.00 REF
B
C
SECTION-A-A
SH 204, F9
TYPICAL
PIN 1
B
B SH 205, G 3
E
SH 205, F2
E
81
36.00
35.00
P91
173
24
70
E315 72 82
172
168, 169
SEE DETAIL J
SH 208, A15
54.00
53.00
P19
24
81
22
65
29A
J136
41
25
J9
26
J15
44
27
J8
28
J14
40
43
3.00
29
J13
DETAIL U
2 PLACES
SH 205, B5
42
D
SH 205
D 13
122, 123
124, 125
SEE DETAIL M
SH 208, B3
43
E306 72 82
E329 72 82
44
39
E301 72 82
E302 72 82
40
34
E316 72 82
50
P102A
49
P102D
48
P105A
P105D
47
46
P108A
P108D
45
42
P111A
P111D
41
38
P114A
P114D
37
36
P117A
P117D
35
33
P120D
P123A
32
P126E
31
P126F
30
SEE DETAIL U
SH 205, C1
VIEW F-F
SH 205, A5
- CC -
SEE SH 206
- BB -
F
F
SH 205, A3
C -
SH 206
9 8 7 6 5 4 3 2 1
H G F E D C B A

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	+ —	+ —
- —	- —	- —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN 17 Aug 65 DATE

CHECKED 19 Aug 65

APPROVAL

APPROVAL

NASA APPROVAL

MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS 'B'

CODE IDENT NO 99974

SIZE J_2

2900542

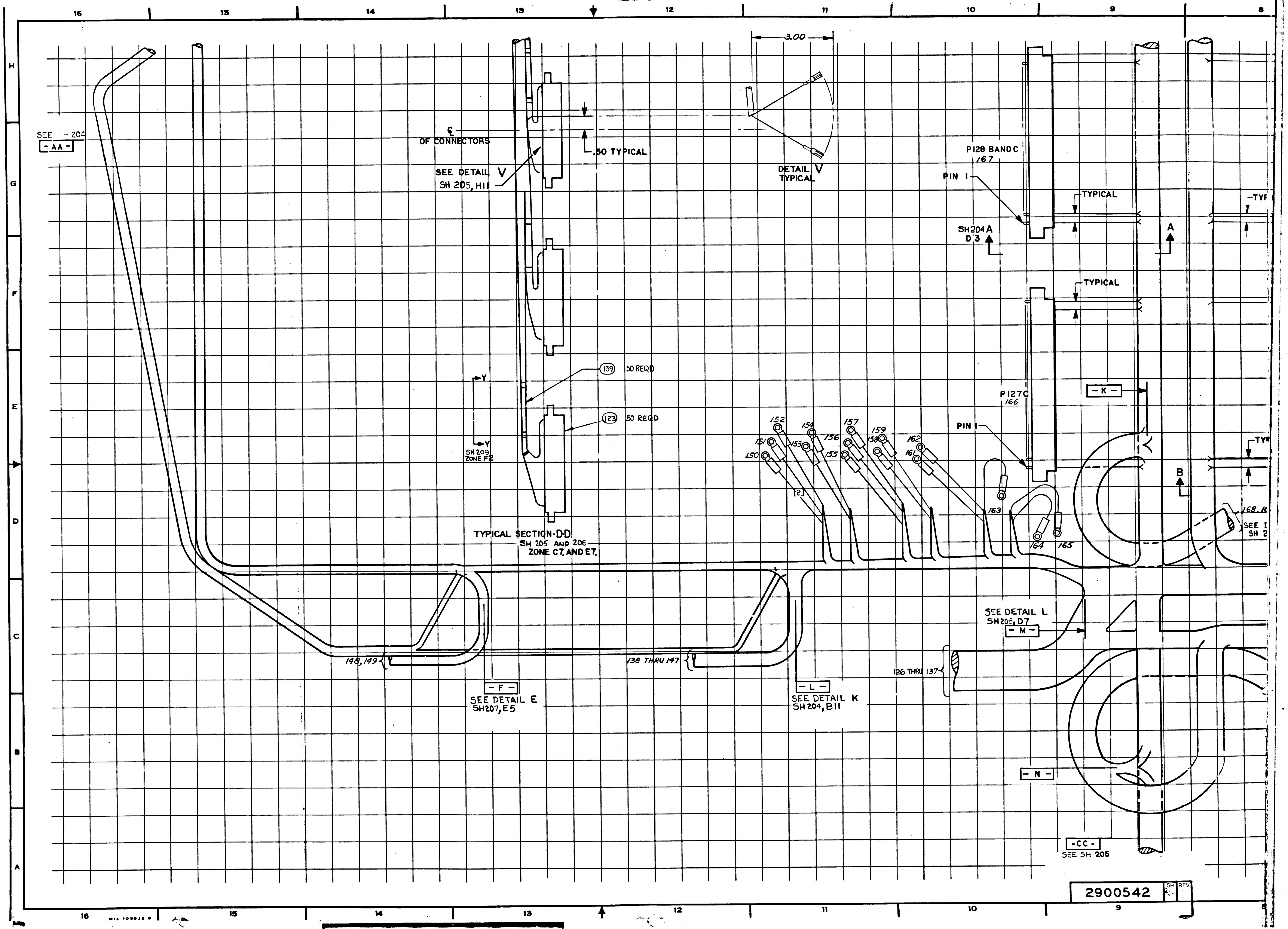
SCALE FULL

SHEET 20 OF 20

2900542	SH 2	REV

2/2900542

SH 205 OF 209

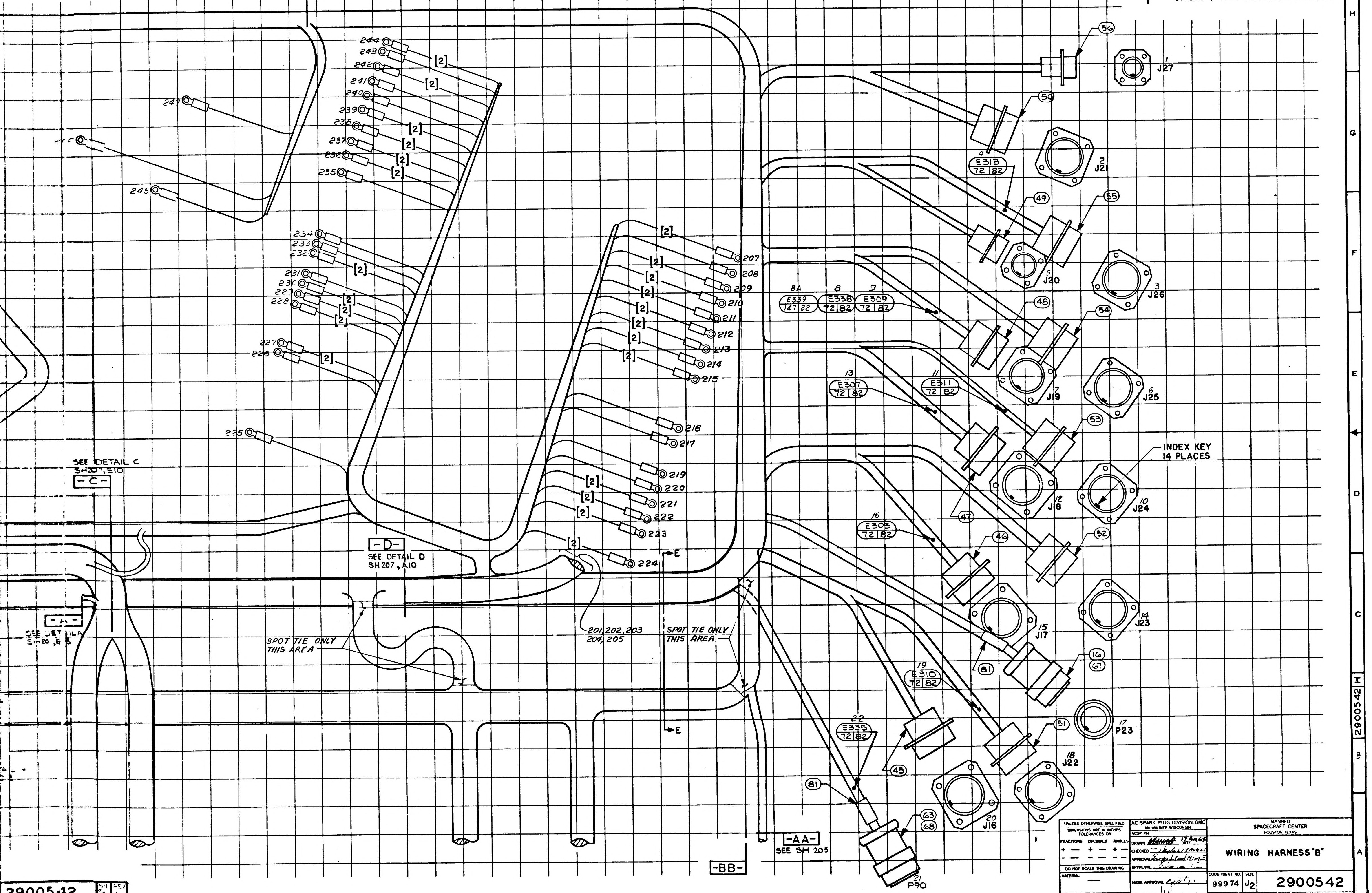


AC SPARK PLUG DIVISION
GENERAL MOTORS CORPORATION
MILWAUKEE, WISCONSIN
2900542
SH 205 & 206
16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
SEE SH 204
-AA-
℄
OF CONNECTORS
.50 TYPICAL
SEE DETAIL V
SH 205, H11
3.00
DETAIL V
TYPICAL
P128 BAND C
167
PIN 1
TYPICAL
-TYP
SH204 A
D 3
A
TYPICAL
139
50 REQD
123
50 REQD
Y
Y
SH 209
ZONE F2
-K-
P127C
166
PIN 1
-TY
152
154
157
159
151
153
156
158
162
150
155
161
[2]
163
164
165
B
168, 1
SEE D
SH 2
TYPICAL SECTION-D-D
SH 205 AND 206
ZONE C7, AND E7.
SEE DETAIL L
SH206, D7
-M-
148, 149
138 THRU 147
126 THRU 137
-F-
SEE DETAIL E
SH207, E5
-L-
SEE DETAIL K
SH 204, B11
-N-
-CC-
SEE SH 205
2900542
SH
2
REV
MIL 1000J8 D

1/2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SHEET 1 FOR REVISION RECORD


-B- SEE DETAIL B SH 207, B14
244
243
242
241
240
239
238
237
236
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247
246
245
[2]
234
233
232
231
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228
227
226
235
207
208
209
210
211
212
213
214
215
216
217
219
220
221
222
223
224
-D- SEE DETAIL D SH 207, A10
SEE DETAIL C SH 20, E10
-C-
-A- SEE DETAIL A SH 20, E5
SPOT TIE ONLY THIS AREA
201, 202, 203 204, 205
E
1 J27
56
50
4 E313 72 82
2 J21
49
55
5 J20
3 J26
8A E339 147 82
8 E338 72 82
9 E309 72 82
48
54
7 J19
6 J25
13 E307 72 82
11 E311 72 82
53
INDEX KEY 14 PLACES
12 J18
10 J24
47
16 E308 72 82
46
52
15 J17
14 J23
81
16 67
19 E310 72 82
17 P23
22 E335 72 82
51
45
18 J22
81
20 J16
63 68
21 P90
-AA- SEE SH 205
-BB-

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9 497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 17 Aug 65 DATE
CHECKED 19 Aug 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
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HOUSTON, TEXAS

WIRING HARNESS "B"

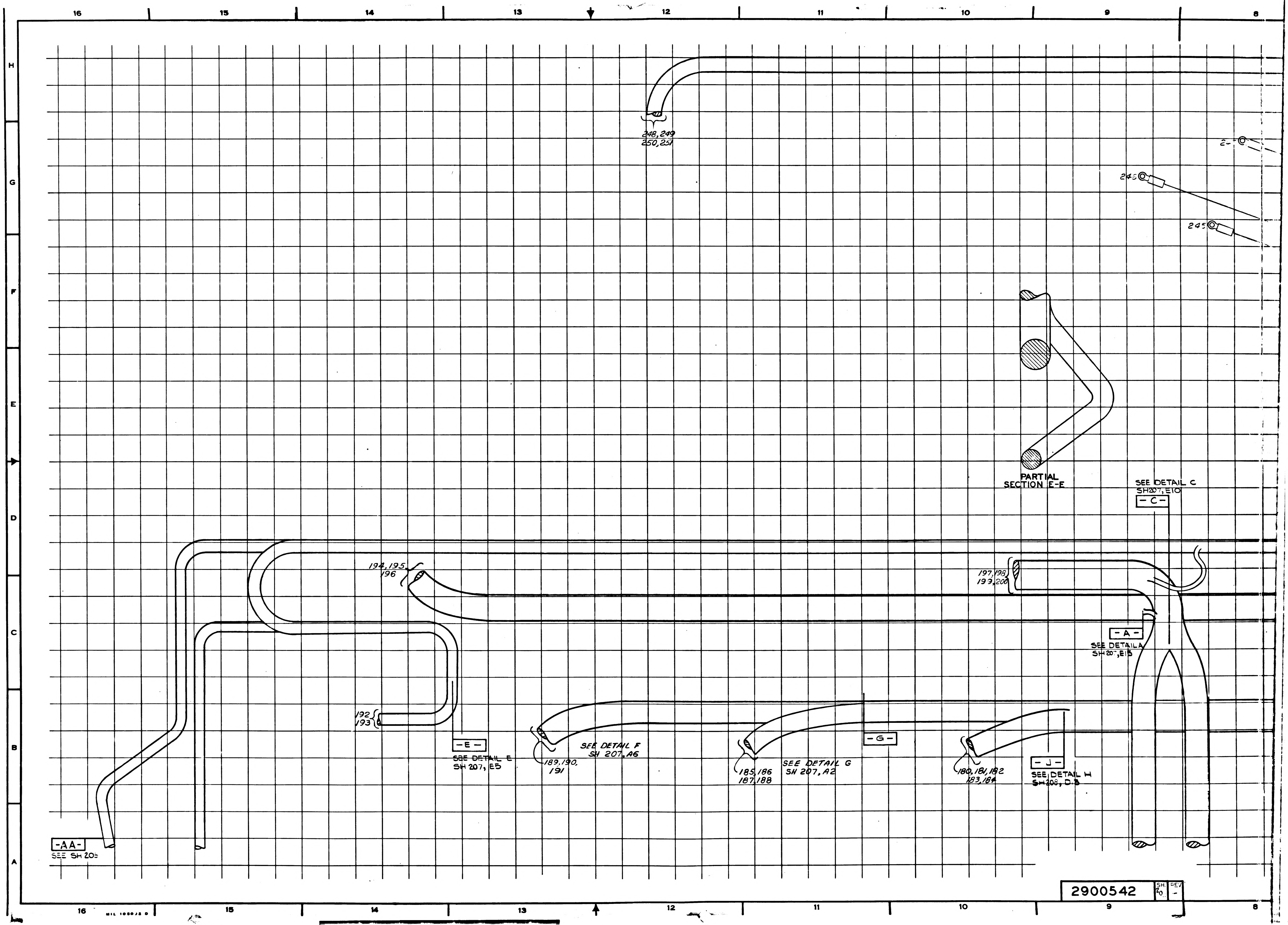
CODE IDENT NO. 99974 SIZE J2 2900542
SCALE FULL SHEET 20 OF 20

29005-42 SH 20 REV F

2900542 H

27 2900542

SH 207 OF 209


16
15
14
13
12
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8
H
G
F
E
D
C
B
A
248,249
250,251
245
245
PARTIAL
SECTION E-E
SEE DETAIL C
SH207, E10
- C -
194,195,
196
197,198
199,200
- A -
SEE DETAIL A
SH 207, E15
192
193
- E -
SEE DETAIL E
SH 207, E5
189,190,
191
SEE DETAIL F
SH 207, A6
- G -
185,186
187,188
SEE DETAIL G
SH 207, A2
180,181,182
183,184
- J -
SEE DETAIL H
SH 208, D.3
-AA-
SEE SH 205
2900542
SH.
20
REV
-

1/2900542

APPLICATION		REVISIONS 23413			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION (-) WITH CHANGE. WAS 'D' SIZE, SH 1 OF 1.		
		B	REVISED PER MXC 204732	13SEP 65	JWP J.E.G.
		C	REVISED PER MXC 205384	28SEP 65	JWP J.E.G.
		D	REVISED PER MXC 309800	4OCT 65	JWP J.E.G.
		E	REVISED PER MXC309801	15 OCT 65	J.A. ET
		F	REVISED PER MXC 206185	19 OCT 65	JWP W.A.
		Ⓜ G	INITIAL RELEASE CLASS A PER TDRR 23413		JR CW
		M H	REVISED PER TDRR 23812	10 NOV 65	PHG MEM
		J	REVISED PER TDRR 24866	28 DEC 65	JWP MEM
		M K	REVISED PER TDRR 24865	29 DEC 65	RLP MEM
		L	REVISED PER TDRR 25867	11 FEB 66	HTO AU

REPLACES REV + WITH CHANGE

REV	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
REV STATUS OF SHEETS REV									L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
SHEET									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
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HOUSTON, TEXAS

DRAWN Mittags DATE 29 JUL 65
CHECKED J Taylor 19AUG65
APPROVAL 19Aug65
APPROVAL 10/20/65
NASA APPROVAL
MIT APPROVAL

WIRING HARNESS E

CODE IDENT NO. 99974 | SIZE A | 2900542 | REV L

CONTRACT NAS 9-497 | SCALE — | SHEET 1 OF 209

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
45	L	81	L	117	L	153	L	189	L						
46	L	82	L	118	L	154	L	190	L						
47	L	83	L	119	L	155	L	191	L						
48	L	84	L	120	L	156	L	192	L						
49	L	85	L	121	L	157	L	193	L						
50	L	86	L	122	L	158	L	194	L						
51	L	87	L	123	L	159	L	195	L						
52	L	88	L	124	L	160	L	196	L						
53	L	89	L	125	L	161	L	197	L						
54	L	90	L	126	L	162	L	198	L						
55	L	91	L	127	L	163	L	199	L						
56	L	92	L	128	L	164	L	200	L						
57	L	93	L	129	L	165	L	201	L						
58	L	94	L	130	L	166	L	202	L						
59	L	95	L	131	L	167	L	203	L						
60	L	96	L	132	L	168	L	204	L						
61	L	97	L	133	L	169	L	205	L						
62	L	98	L	134	L	170	L	206	L						
63	L	99	L	135	L	171	L	207	L						
64	L	100	L	136	L	172	L	208	L						
65	L	101	L	137	L	173	L	209	L						
66	L	102	L	138	L	174	L								
67	L	103	L	139	L	175	L								
68	L	104	L	140	L	176	L								
69	L	105	L	141	L	177	L								
70	L	106	L	142	L	178	L								
71	L	107	L	143	L	179	L								
72	L	108	L	144	L	180	L								
73	L	109	L	145	L	181	L								
74	L	110	L	146	L	182	L								
75	L	111	L	147	L	183	L								
76	L	112	L	148	L	184	L								
77	L	113	L	149	L	185	L								
78	L	114	L	150	L	186	L								
79	L	115	L	151	L	187	L								
80	L	116	L	152	L	188	L								

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION L.

NASA DRAWING NO. 2900542
SHEET 2 OF 209

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002032
B - ND1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 109.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 109.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

9 UNLESS OTHERWISE SPECIFIED APPLY LEAD INDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 112 OR ITEMS 110 AND 1

11 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

12 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
K - BLACK, WHITE WITH LETTER K OR WHITE WITH BLACK TRACER.
L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER
R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER.
W - WHITE OR WHITE WITH LETTER W.
X - COAX OUTER CONDUCTOR
Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.

13 MARK ITEMS 81 AND 139 PER ND1002019, COLOR BLACK, .12 HIGH IN VIEW X-X AND Y-Y. MARK WITH HARNESS PLUG DESIGINATION AND MATING RECEPTACLE DESIGINATION SHOWN IN TABLE 1

14 USE ITEM 125 AS REQUIRED TO PROVIDE CLAMPING

15 UNLESS OTHERWISE SPECIFIED TUBING SHALL EXTEND A MINIMUM OF .5 INCH BEYOND CABLE CLAMPS SHOWN IN DETAILS A THRU S AND WITHIN 2 INCHS OF THEIR RESPECTIVE DATUMS

16 ON CONDUCTORS 568 B615, B911 AND B986 MARK LEAD IDENTIFICATIONS PER ND1002019 INCLUDING SUFFIXES

17 THE FOLLOWING CONDUCTORS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER.
568K, 568L, 568R, 568Y, B911L, B911R, AND B911Y, B986L, B986R, AND B986Y, B615L, B615R, B1156, B1180, B1157 AND B1178.

18 TOLERANCE FOR STRIP LENGTHS ON ITEM 118 TO BE PLUS .06, MINUS .00 WHEN ITEMS 90 THRU 94 ARE USED, PLUS .03, MINUS .00 WHEN ITEMS 128 THRU 132 ARE USED, PLUS .03, MINUS .00 WHEN ITEMS 96, 97, AND 98 ARE USED.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

19 CONNECTORS MUST HAVE A MINIMUM OF THREE CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32 TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

20 USE TOLERANCE CHART UNLESS OTHERWISE SPECIFIED

21 LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 138 WHENEVER ITEMS 2,9, + 142 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .06 IN.

22 ASSEMBLE CONTACTS IN ALL SPARE CONNECTOR INSERT HOLES OF ALL MS3126 AND 3127 TYPE CONNECTORS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900542-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT
	2	1	2900542-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT
	3	1	2900542-003	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT
	4		2900542-004	DELETED
	5	1	2900542-005	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JACKET, 22AWG, WHT
	6		2900542-006	DELETED
	7	1	2900542-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 24AWG, WHT/RED, WHT/BLU
	8	1	2900542-008	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 20AWG, WHT/RED, WHT/BLU
	9	1	2900542-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 16AWG, WHT/RED, WHT/BLU
	10	1	2900542-010	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JACKET, 22AWG, WHT/RED, WHT/BLU
	11		2900542-011	DELETED
	12	2	MS3126F14-19S	(1897040-190) CONNECTOR PLUG, ELEC
	13	2	MS3126F22-55P	(1897045-550) CONNECTOR PLUG, ELEC
	14	1	MS3126F22-55PW	(1897045-551) CONNECTOR PLUG, ELEC
7	15	3	1015907-100	CONNECTOR PLUG, ELEC
	16	8	MS3126F16-8S	(1897042-080) CONNECTOR PLUG, ELEC

WIRING HARNESS B 2900542 L

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	MS3126F24-61PZ	(1897047-614) CONNECTOR PLUG, ELEC
7	18	2	1015907-103	CONNECTOR PLUG, ELEC
	19		1897330-001	DELETED
	20	1	MS3126F22-55PX	(1897045-552) CONNECTOR PLUG, ELEC
	21	1	MS3126F22-55SY	(1897046-553) CONNECTOR PLUG, ELEC
	22	1	MS3126F12-10P	(1897038-100) CONNECTOR PLUG, ELEC
	23	7	MS3126F24-61SW	(1897048-611) CONNECTOR PLUG, ELEC
	24	9	MS3126F24-61S	(1897048-610) CONNECTOR PLUG, ELEC
	25	1	MS3126F20-16S	(1897044-160) CONNECTOR PLUG, ELEC
	26	6	MS3126F24-61SX	(1897048-612) CONNECTOR PLUG, ELEC
	27	1	MS3126F12-10SW	(1897039-101) CONNECTOR PLUG, ELEC
	28	1	MS3126F12-10S	(1897039-100) CONNECTOR PLUG, ELEC
	29	1	MS3126F24-61SZ	(1897048-614) CONNECTOR PLUG, ELEC
	30	1	MS3126F16-8SW	(1897042-081) CONNECTOR PLUG, ELEC
	31	1	MS3126F10-6S	(1897026-060) CONNECTOR PLUG, ELEC
	32	1	MS3126F20-41P	(1897043-410) CONNECTOR PLUG, ELEC
7	33	2	1897215-011	CONNECTOR PLUG, ELEC
7	34	9	1015922-001	CONNECTOR PLUG, ELEC

SIZE A	CODE IDENT NO. 99974	2900542		
SCALE-NONE	REV LTR	L	SHEET	7 OF 209

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WIRING HARNESS B 2900542 L

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	35	2	1015907-101	CONNECTOR PLUG, ELEC
7	36	1	1015907-102	CONNECTOR PLUG, ELEC
7	37	1	1015907-104	CONNECTOR PLUG, ELEC
	38	2	MS3126F24-61SY	(1897048-613) CONNECTOR PLUG, ELEC
	39	1	MS3126F14-19P	(1897089-190) CONNECTOR PLUG, ELEC
7	40	1	1015906-100	CONNECTOR RECEP, ELEC
7	41	1	1015906-101	CONNECTOR RECEP, ELEC
7	42	1	1015906-102	CONNECTOR RECEP, ELEC
7	43	1	1015906-103	CONNECTOR RECEP, ELEC
7	44	1	1015906-104	CONNECTOR RECEP, ELEC
	45	1	MS3127E24-61PY	(1897055-613) CONNECTOR RECEP, ELEC
	46	1	MS3127E24-61PZ	(1897055-614) CONNECTOR RECEP, ELEC
	47	1	MS3127F24-61S	(1897056-610) CONNECTOR RECEP, ELEC
	48	1	MS3127E20-41PW	(1897051-411) CONNECTOR RECEP, ELEC
	49	1	MS3127E14-15S	(1897116-150) CONNECTOR RECEP, ELEC
	50	1	MS3127E22-55PX	(1897053-552) CONNECTOR RECEP, ELEC
	51	1	MS3127E22-55PY	(1897053-553) CONNECTOR RECEP, ELEC
	52	1	MS3127E22-55PZ	(1897053-554) CONNECTOR RECEP, ELEC

SIZE A	CODE IDENT NO. 99974	2900542		
SCALE-NONE	REV LTR	L	SHEET	8 OF 209

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WIRING HARNESS B 2900542 L

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	53	1	MS3127E22-55SW	(1897054-551) CONNECTOR RECEP, ELEC
	54	1	MS3127E22-55SX	(1897054-552) CONNECTOR RECEP, ELEC
	55	1	MS3127E22-55SY	(1897054-553) CONNECTOR RECEP, ELEC
	56	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEP, ELEC
7	57	1	1897214-011	CONNECTOR RECEP, ELEC
7	58	1	1897214-012	CONNECTOR RECEP, ELEC
7	59	1	1897214-013	CONNECTOR RECEP, ELEC
7	60	1	1897215-013	CONNECTOR
7	61	1	1897215-012	CONNECTOR
	62	1	MS3126F20-41S	(1897044-410) CONNECTOR
	63	1	MS3106A18-1P	(1897084-010) CONNECTOR PLUG
7	64	1	1016282- 10	GROMMET, CONNECTOR
7	65	3	1016282- 12	GROMMET, CONNECTOR
7	66	3	1016282- 14	GROMMET, CONNECTOR
7	67	9	1016282- 16	GROMMET, CONNECTOR
7	68	4	1016282- 18	GROMMET, CONNECTOR
7	69	5	1016282- 22	GROMMET, CONNECTOR
7	70	26	1016282- 24	GROMMET, CONNECTOR

SIZE A	CODE IDENT NO. 99974	2900542		
SCALE-NONE	REV LTR	L	SHEET	9 OF 209

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WIRING HARNESS B 2900542 L

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	71		1897331-001	DELETED
7	72	35	1016006-003	SPLICE REDUCER
7	73	25	1015902- 45	TERMINAL LUG
7	74	72	1015902- 3	TERMINAL LUG, RING TONGUE, CRIMP
	75		1016295-012	DELETED
	76		1016295-009	DELETED
	77		1016048- 15	DELETED
	78	16	1900448- 11	CLAMP, CABLE, BRACKET ASSY
	79	31	MS21919-WDG2 THRU MS21919-WDG32	(1897073-202 THRU 1897073-224) CLAMP-LOOP TYPE, CUSHIONED (SELECTED AS REQUIRED)
7	80	9	1015905-061	CLAMP, STRAIN RELIEF
7	81	58	1016128-011	BAND, IDENTIFICATION
7	82	35	1010490-198	INSULATION-SLEEVING, ELEC
7	83	100	1010490-196	INSULATION-SLEEVING, ELEC
	84	1	2900542-018	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .50 DIA
	85	1	2900542-019	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .75 DIA
	86	1	2900542-020	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., .88 DIA
	87	1	2900542-021	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.00 DIA

SIZE A	CODE IDENT NO. 99974	2900542		
SCALE-NONE	REV LTR	L	SHEET	10 OF 209

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	88	1	2900542-022	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.25 DIA
	89	1	2900542-023	TUBING, MIL-I-7444, TYPE 3, BLK, FLEX., 1.50 DIA
7	90	62	1C15908- 11	PIN CONTACT
7	91	47	1015908- 41	OUTER MALE BODY
7	92	110	1015908- 51	HYRING
7	93	47	1015908- 21	SOCKET CONTACT
7	94	63	1015908- 31	OUTER FEMALE BODY
7	95	6	1897228-001	COAX CABLE HOUSING CONN.
7	96	106	1897229-001	PIN CONTACT ASSY
7	97	106	1897229-002	RETENTION SPRING
7	98	106	1897229-003	FERRULE
7	99	5	1897357-001	SPLICE, CONDUCTOR
7	100	3	1016369-711	INNER SUPPORT SLEEVE
7	101	3	1016369-713	OUTER SUPPORT SLEEVE
	102		1901464-004	DELETED
7	103	31	1006783-045	SCREW, BUTTON HEAD
	104		1006783-044	DELETED

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 11 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	105		MS35234-69	DELETED
	106	31	AN960C10L	(1897006- 19) WASHER, FLAT
	107		MS35338-081	DELETED
	108	31	1896990-011	NUT, SELF LOCKING
	109	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO. 18)
	110	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	111	AR	MIL-F-14256	FLUX (ES2798)
	112	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
7	113	491	1897266-001	CONTACT, RECEP, ELEC
	114		MS3192A-20A	(1896855-020) CONTACT, PIN(FURNISHED WITH CONN)
	115		MS3193A-20A	(1896877-020) CONTACT, SOCKET(FURNISHED WITH CONN)
	116		MS3192-16A	(1896855-016) CONTACT, PIN(FURNISHED WITH CONN)
	117		MS3193-16A	(1896877-016) CONTACT, SOCKET(FURNISHED WITH CONN)
	118	1	2900542-012	CABLE, RF, COAXIAL, MIL-C-17 RG188/U
7	119	246	1010763-002	SLEEVE, SOLDER, ELEC
7	120	743	1010490-228	INSULATION-SLEEVING, ELEC
7	121	16	1010763- 3	SLEEVE, SOLDER, ELEC

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 12 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	122		2900542-013	DELETED
7	123	53	1897267-001	CONNECTOR RECEP, ELEC
7	124	20	1010490-232	INSULATION-SLEEVING, ELEC
	125	1	2900542-025	INSULATION, ELEC, MIL-I-631, TYPE F, FORM S, .62 IN. WIDE X .040 IN. THICK, GRADE A, CLASS 1 BLACK
7	126	12	1016281-180	CONTACT-PIN
7	127	35	1016281-181	CONTACT-SOCKET
7	128	99	1016369-588	HYRING
7	129	25	1016369-288	CONTACT-OUTER MALE
7	130	26	1016369-388	CONTACT-INNER FEMALE
7	131	74	1016369-488	CONTACT-OUTER FEMALE
7	132	75	1016369-188	CONTACT-INNER MALE
7	133	6	1016369-420	CONTACT-MALE NO. 20
7	134	67	1016369-421	CONTACT-FEMALE NO. 20
7	135	3	1016369-720	CONTACT-MALE NO. 16
7	136	2	1016369-721	CONTACT-FEMALE NO. 16
	137	1	2900542-014	WIRE, ND1002181, TYPE III, CLASS 1, T3, WHT, 22AWG,
7	138	42	1897266-004	CONTACT, RECEPT, ELECT

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 13 OF 209

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	139	66	1015864-462	INSULATION SLEEVING
	140	1	2900542-015	WIRE, ND1002181, TYPE II, CLASS 1, T2, 22AWG, WHT
	141		2900542-016	DELETED
	142	1	2900542-017	WIRE, ND1002181, TYPE II, CLASS 1, T2, 16AWG, WHT
	143	1	2900542-024	WIRE ND1002181 TYPE 3 CLASS 4, WHT JACKET, 20AWG WHT/RED WHT/BLU WHT/YEL
7	144	2	1897342-003	LUG, TERMINAL
	145	4	1897331-001	ADAPTER, CABLE CLAMP
	146	4	1897330-001	CLAMP STRAIN RELIEF
	147	1	1016006-002	SPLICE REDUCER
	148	109	1015908- 82	BUSHING
	149	1	1897070-010	CLAMP, STRAIN RELIEF

SIZE A	CODE IDENT NO. 99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 14 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 148 92, 94,120 148	
B 1E			J8-G1 P12-G1	27 126				.11 .11	NO NO		93 90	
B 1X			J8-G2 P12-G2	27 126								
B 2	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 148 92, 94,120 148	
B 2E			J8-J1 P12-J1	27 126				.11 .11	NO NO		93 90	
B 2X			J8-J2 P12-J2	27 126								
B 3	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 143 92, 94,120 148	
B 3E			J8-K1 P12-K1	27 126				.11 .11	NO NO		93 90	
B 3X			J8-K2 P12-K2	27 126								
B 4	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 148 92, 94,120 148	
B 4E			J8-H1 P12-H1	27 126				.11 .11	NO NO		93 90	
B 4X			J8-H2 P12-H2	27 126								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 5E			J8-A1 P127A-1A	27 170A				.11 .22	NO NO		93 96	
B 5X			J8-A2 P127A-1B	27 170A								
B 6	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 6E			J8-B1 P127A-2A	27 170A				.11 .22	NO NO		93 96	
B 6X			J8-B2 P127A-2B	27 170A								
B 7	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 7E			J8-C1 P127A-3A	27 170A				.11 .22	NO NO		93 96	
B 7X			J8-C2 P127A-3B	27 170A								
B 8	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 8E			J8-D1 P127A-4A	27 170A				.11 .22	NO NO		93 96	
B 8X			J8-D2 P127A-4B	27 170A								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 9	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 9E			J8-E1 P127A-5A	27 170A				.11 .22	NO NO		93 96	
B 9X			J8-E2 P127A-5B	27 170A								
B 10	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 10E			J8-F1 P127A-6A	27 170A				.11 .22	NO NO		93 96	
B 10X			J8-F2 P127A-6B	27 170A								
B 11	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,120	
B 11B	1		P14-H SHLD B11	197				.22 .25	NO NO		114	
B 11E			J9-C1 P14-J	25 197				.11 .22	NO NO		93 114	
B 11X			J9-C2 SHLD B11	25								
B 12	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,124,120	
B 12B	1		P14-G SHLD B12	197				.22 .25	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 12E			J9-D1 P14-F	25 197				.11 .22	NO NO		93 114	
B 12X			J9-D2 SHLD B12	25								
B 13	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 13E			J9-E1 P127A-9A	25 170A				.11 .22	NO NO		93 96	
B 13X			J9-E2 P127A-9B	25 170A								
B 14	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 14E			J9-F1 P127A-10A	25 170A				.11 .22	NO NO		93 96	
B 14X			J9-F2 P127A-10B	25 170A								
B 15	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 15E			J9-G1 P127A-11A	25 170A				.11 .22	NO NO		93 96	
B 15X			J9-G2 P127A-11B	25 170A								
B 16	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16E			J9-J1 P127A-13A	25 170A				.11 .22	NO NO		93 96	
B 16X			J9-J2 P127A-13B	25 170A								
B 17	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 148 92, 94,120 148	
B 17E			J9-A1 P12-A1	25 126				.11 .11	NO NO		93 90	
B 17X			J9-A2 P12-A2	25 126								
B 18	118				.52 .52	.23 .23				A,9 A,10	91, 92,120 148 92, 94,120 148	
B 18E			J9-B1 P12-B1	25 126				.11 .11	NO NO		93 90	
B 18X			J9-B2 P12-B2	25 126								
B 19	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 19E			J9-K1 P127A-14A	25 170A				.11 .22	NO NO		93 96	
B 19X			J9-K2 P127A-14B	25 170A								
B 20	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 19 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20E			J9-H1 P127A-12A	25 170A				.11 .22	NO NO		93 96	
B 20X			J9-H2 P127A-12B	25 170A								
B 21	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,120	
B 21B	1		P14-C* SHLD B21	197				.22 .25	NO NO		114	
B 21E			J13-A1 P14-D*	29 197				.11 .22	NO NO		93 114	
B 21X			J13-A2 SHLD B21	29								
B 22	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 22E			J13-E1 P127A-17A	29 170A				.11 .22	NO NO		93 96	
B 22X			J13-E2 P127A-17B	29 170A								
B 23	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 23E			J13-F1 P127A-18A	29 170A				.11 .22	NO NO		93 96	
B 23X			J13-F2 P127A-18B	29 170A								

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 20 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 24	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 24E			J13-G1 P127A-19A	29 170A				.11 .22	NO NO		93 96	
B 24X			J13-G2 P127A-19B	29 170A								
B 25	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 25E			J13-J1 P127A-21A	29 170A				.11 .22	NO NO		93 96	
B 25X			J13-J2 P127A-21B	29 170A								
B 26	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 26E			J13-K1 P127A-24A	29 170A				.11 .22	NO NO		93 96	
B 26X			J13-K2 P127A-24B	29 170A								
B 27	118				.52 .44	.23 .28				A,9	91, 92,120 148 120, 97, 98	
B 27E			J13-H1 P127A-20A	29 170A				.11 .22	NO NO		93 96	
B 27X			J13-H2 P127A-20B	29 170A								

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 21 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 28	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,124,120	
B 28B	1		P26-P* SHLD B28	194				.22 .25	NO NO		115	
B 28E			J13-B1 P26-N*	29 194				.11 .22	NO NO		93 115	
B 28X			J13-B2 SHLD B28	29								
B 29	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,124,120	
B 29B	1		P25-V* SHLD B29	195				.22 .25	NO NO		115	
B 29E			J13-D1 P25-U*	29 195				.11 .22	NO NO		93 115	
B 29X			J13-D2 SHLD B29	29								
B 30	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 148 119,124,120	
B 30B	1		P25-Z* SHLD B30	195				.22 .25	NO NO		115	
B 30E			J13-C1 P25-Y*	29 195				.11 .22	NO NO		93 115	
B 30X			J13-C2 SHLD B30	29								

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 22 OF 209.

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	118				.52 2.25	.23 2.00				A,9 B,6B	91, 92,120 119,124,120	148
B 31B	1		P26-PP SHLD B31	194				.22 .25	NO NO		115	
B 31E			J14-K1 P26-NN	28 194				.11 .22	NO NO		93 115	
B 31X			J14-K2 SHLD B31	28								
B 32	118				.52 2.25	.23 2.00				A,9 B,6B	91, 92,120 119,124,120	148
B 32B	1		P15-Y SHLD B32	198				.22 .25	NO NO		114	
B 32E			J14-A1 P15-Z	28 198				.11 .22	NO NO		93 114	
B 32X			J14-A2 SHLD B32	28								
B 33	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 33E			J14-B1 P128A-1A	28 171				.11 .22	NO NO		93 96	
B 33X			J14-B2 P128A-1B	28 171								
B 34	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 23 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34E			J14-C1 P128A-2A	28 171				.11 .22	NO NO		93 96	
B 34X			J14-C2 P128A-2B	28 171								
B 35	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 35E			J14-D1 P128A-3A	28 171				.11 .22	NO NO		93 96	
B 35X			J14-D2 P128A-3B	28 171								
B 36	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 36E			J14-E1 P128A-4A	28 171				.11 .22	NO NO		93 96	
B 36X			J14-E2 P128A-4B	28 171								
B 37	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 37E			J14-F1 P128A-5A	28 171				.11 .22	NO NO		93 96	
B 37X			J14-F2 P128A-5B	28 171								
B 38	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 24 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 38E			J15-A1 P128A-8A	26 171				.11 .22	NO NO		93 96	
B 38X			J15-A2 P128A-8B	26 171								
B 39	118				.52 2.25	.23 2.00				A,9 B,6B	91, 92,120 119,120	148
B 39B	1		P14-V SHLD B39	197				.22 .25	NO NO		114	
B 39E			J15-B1 P14-U	26 197				.11 .22	NO NO		93 114	
B 39X			J15-B2 SHLD B39	26								
B 40	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 40E			J15-G1 P128A-10A	26 171				.11 .22	NO NO		93 96	
B 40X			J15-G2 P128A-10B	26 171								
B 41	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 41E			J15-J1 P128A-12A	26 171				.11 .22	NO NO		93 96	
B 41X			J15-J2 P128A-12B	26 171								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 25 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 42E			J15-K1 P128A-13A	26 171				.11 .22	NO NO		93 96	
B 42X			J15-K2 P128A-13B	26 171								
B 43	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 43E			J15-H1 P128A-11A	26 171				.11 .22	NO NO		93 96	
B 43X			J15-H2 P128A-11B	26 171								
B 44	118				.52 .44	.23 .28				A,9	91, 92,120 120, 97, 98	148
B 44E			J15-C1 P128A-9A	26 171				.11 .22	NO NO		93 96	
B 44X			J15-C2 P128A-9B	26 171								
B 45	118				.52 2.25	.23 2.00				A,9 B,6B	91, 92,120 119,120	148
B 45B	1		P14-H* SHLD B45	197				.22 .25	NO NO		114	
B 45E			J15-D1 P14-I*	26 197				.11 .22	NO NO		93 114	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 26 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45X			J15-D2 SHLD B45	26								
B 46	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 119,120	148
B 46B	1		P14-K SHLD B46	197				.22 .25	NO NO		114	
B 46E			J15-E1 P14-L	26 197				.11 .22	NO NO		93 114	
B 46X			J15-E2 SHLD B46	26								
B 47	118				.52 2.25	.23 2.00				A,9 B,68	91, 92,120 119,120	148
B 47B	1		P14-Y SHLD B47	197				.22 .25	NO NO		114	
B 47E			J15-F1 P14-Z	26 197				.11 .22	NO NO		93 114	
B 47X			J15-F2 SHLD B47	26								
B 48	7				2.25 4.00	2.00 3.75				A,7 B,68	120 120,119	
B 48B	1		P104D-31 SHLD B48	68				.12 .25	NO NO		113	
B 48L			J16-H* P104D-12	20 68				.22 .12	NO NO		114 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48R			J16-G* P104D-11	20 68				.22 .12	NO NO		114 113	
B 49	1		J16-HH P92-Y*	20 183				.22 .22	NO NO		114 115	
B 50	1		J16-D* P98-GG	20 187				.22 .22	NO NO		114 115	
B 51	1		J16-E* P98-HH	20 187				.22 .22	NO NO		114 115	
B 52	1		J16-F* P98-FF	20 187				.22 .22	NO NO		114 115	
B 53	1		J16-CC P92-V*	20 183				.22 .22	NO NO		114 115	
B 54	1		J16-BB P92-W*	20 183				.22 .22	NO NO		114 115	
B 55	1		J16-FF P92-U*	20 183				.22 .22	NO NO		114 115	
B 56	1		J16-EE P92-T*	20 183				.22 .22	NO NO		114 115	
B 57	1		J16-X* P92-S*	20 183				.22 .22	NO NO		114 115	
B 58	1		J16-Y* P92-R*	20 183				.22 .22	NO NO		114 115	
B 59	1		J16-LL P99-JJ	20 186				.22 .22	NO NO		114 115	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 60	1		J16-MM P99-MM	20 186				.22 .22	NO NO		114 115	
B 61	1		J16-PP P99-LL	20 186				.22 .22	NO NO		114 115	
B 62	1		J16-NN P99-KK	20 186				.22 .22	NO NO		114 115	
B 63	1		J16-B E301-B	20 39				.22 .25	NO NO		114	
B 64	1		J16-M P26-Y	20 194				.22 .22	NO NO		114 115	
B 65	1		J16-A P26-V*	20 194				.22 .22	NO NO		114 115	
B 66	1		J16-R P26-KK	20 194				.22 .22	NO NO		114 115	
B 67	1		J16-N P92-X*	20 183				.22 .22	NO NO		114 115	
B 68	1		J16-P P96-MM	20 182				.22 .22	NO NO		114 115	
B 69	1		J16-Z* P96-HH	20 182				.22 .22	NO NO		114 115	
B 70	1		J16-DD P96-FF	20 182				.22 .22	NO NO		114 115	
B 71	1		J16-GG P96-GG	20 182				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	1		J16-JJ P96-JJ	20 182				.22 .22	NO NO		114 115	
B 73	1		J16-KK P96-KK	20 182				.22 .22	NO NO		114 115	
B 74	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 74B	1		E301-B SHLD B74	39				.25 .25	NO NO			
B 74L			J16-N* P108D-12	20 45				.22 .12	NO NO		114 113	
B 74R			J16-M* P108D-11	20 45				.22 .12	NO NO		114 113	
B 75	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 75B	1		E301-B SHLD B75	39				.25 .25	NO NO			
B 75L			J16-J* P108D-16	20 45				.22 .12	NO NO		114 113	
B 75R			J16-K* P108D-15	20 45				.22 .12	NO NO		114 113	
B 76	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 76B	1		E301-B SHLD B76	39				.25 .25	NO NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 76L			J16-S* P108D-18	20 45				.22 .12	NO NO		114 113	
B 76R			J16-R* P108D-17	20 45				.22 .12	NO NO		114 113	
B 77	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 77B	1		E301-B SHLD B77	39				.25 .25	NC NO			
B 77L			J16-Q* P108D-22	20 45				.22 .12	NO NO		114 113	
B 77R			J16-P* P108D-21	20 45				.22 .12	NO NO		114 113	
B 78	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 78B	1		E301-B SHLD B78	39				.25 .25	NO NO			
B 78L			J16-W* P108D-24	20 45				.22 .12	NO NO		114 113	
B 78R			J16-V* P108D-23	20 45				.22 .12	NO NO		114 113	
B 79	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 79B	1		E301-B SHLD B79	39				.25 .25	NO NO			

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	L	SHEET 31 OF 209	

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 79L			J16-U* P108D-28	20 45				.22 .12	NO NO		114 113	
B 79R			J16-T* P108D-27	20 45				.22 .12	NO NO		114 113	
B 80	8				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 80A	1		SHLD B80 E303-B	 16				.25 .25	NO NO			
B 80L			J17-HH P21-K*	15 202				.22 .22	NO NO		114 115	
B 80R			J17-GG P21-J*	15 202				.22 .22	NO NO		114 115	
B 81	10				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 81A	1		SHLD B81 E303-B	 16				.25 .25	NO NO			
B 81L			J17-KK P21-I*	15 202				.22 .22	NO NO		114 115	
B 81R			J17-JJ P21-H*	15 202				.22 .22	NO NO		114 115	
B 82	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 82B	1		P117D-32 SHLD B82	35				.12 .25	NO NO		113 113	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	L	SHEET 32 OF 209	

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 82L			J17-FF P117D-16	15 35				.22 .12	NO NO		114 113	
B 82R			J17-EE P117D-15	15 35				.22 .12	NO NO		114 113	
B 83	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 83B	1		E306-B SHLD B83	57				.25 .25	NO NO			
B 83L			J17-DD P116A-10	15 58				.22 .12	NO NO		114 113	
B 83R			J17-CC P116A-9	15 58				.22 .12	NO NO		114 113	
B 84	1		J17-B E303-B	15 16				.22 .25	NO NO		114	
B 85	10				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 85B	1		E303-B SHLD B85	16				.25 .25	NO NO			
B 85L			J17-L P35-H*	15 184				.22 .22	NO NO		114 115	
B 85R			J17-K P35-I*	15 184				.22 .22	NO NO		114 115	
B 86	1		J17-D P26-Q*	15 194				.22 .22	NO NO		114 115	

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	L	SHEET 33 OF 209	

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 87	1		J17-E P25-X*	15 195				.22 .22	NO NO		114 115	
B 88	1		J17-F P25-W*	15 195				.22 .22	NO NO		114 115	
B 89	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 89B	1		E304-B SHLD B89	62				.25 .25	NO NO			
B 89L			J17-B* P107D-28	15 64				.22 .12	NO NO		114 113	
B 89R			J17-A* P107D-27	15 64				.22 .12	NO NO		114 113	
B 90	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 90B	1		E304-B SHLD B90	62				.25 .25	NO NO			
B 90L			J17-C* P107D-29	15 64				.22 .12	NO NO		114 113	
B 90R			J17-D* P107D-30	15 64				.22 .12	NO NO		114 113	
B 91	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 91B	1		E302-B SHLD B91	40				.25 .25	NO NO			

SIZE	CODE IDENT NO.			
A	99974	2900542		
SCALE-NONE	REV LTR	L	SHEET 34 OF 209	

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 91L			J17-K* P108D-4	15 45				.22 .12	NO NO		114 113	
B 91R			J17-J* P108D-3	15 45				.22 .12	NO NO		114 113	
B 92	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 92B	1		E302-B SHLD B92	40				.25 .25	NO NO			
B 92L			J17-N* P108D-6	15 45				.22 .12	NO NO		114 113	
B 92R			J17-M* P108D-5	15 45				.22 .12	NO NO		114 113	
B 93	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 93B	1		E302-B SHLD B93	40				.25 .25	NO NO			
B 93L			J17-U* P108D-10	15 45				.22 .12	NO NO		114 113	
B 93R			J17-T* P108D-9	15 45				.22 .12	NO NO		114 113	
B 94	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 94B	1		P105D-32 SHLD B94	47				.12 .25	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 35 OF 209

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 94L			J17-W* P105D-28	15 47				.22 .12	NO NO		114 113	
B 94R			J17-V* P105D-27	15 47				.22 .12	NO NO		114 113	
B 95	1		J18-FF P21-R*	12 202				.22 .22	NO NO		115 115	
B 96	1		J18-GG P21-M*	12 202				.22 .22	NO NO		115 115	
B 97	1		J18-N* P92-B*	12 183				.22 .22	NO NO		115 115	
B 98	1		J18-M* P92-A*	12 183				.22 .22	NO NO		115 115	
B 99	1		J18-K* P92-Y	12 183				.22 .22	NO NO		115 115	
B 100	1		J18-KK P36-Z	12 181				.22 .22	NO NO		115 115	
B 101	1		J18-H* P108D-1	12 45				.22 .12	NO NO		115 113	
B 102	1		J18-G* P98-E	12 187				.22 .22	NO NO		115 115	
B 103	1		J18-C* P31-G	12 191				.22 .22	NO NO		115 115	
B 104	1		J18-U* P31-H	12 191				.22 .22	NO NO		115 115	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 36 OF 209

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 105	1		J18-X* P31-N	12 191				.22 .22	NO NO		115 115	
B 106	1		J18-S* P31-CC	12 191				.22 .22	NO NO		115 115	
B 107	1		J18-R* P31-EE	12 191				.22 .22	NO NO		115 115	
B 108	1		J18-W* P31-AA	12 191				.22 .22	NO NO		115 115	
B 109	1		J18-V* P31-Z*	12 191				.22 .22	NO NO		115 115	
B 110	1		J18-Z* P31-T*	12 191				.22 .22	NO NO		115 115	
B 111	1		J18-Y* P31-Y*	12 191				.22 .22	NO NO		115 115	
B 112	1		J18-J* P92-Z	12 183				.22 .22	NO NO		115 115	
B 113	1		J18-CC P130E-9	12 22E				.22 .12	NO NO		115 113	
B 114	3		J18-B E307-B	12 13				.22 .25	NO NO		115	
B 115	3		J18-C TB7-1	12 224				.22 .20	NO NO		115 74	
B 116	1		J18-D P96-NN	12 182				.22 .22	NO NO		115 115	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 37 OF 209

MIL 2084 9 65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 117	1		J18-F P96-PP	12 182				.22 .22	NO NO		115 115	
B 118	10				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 118A	1		SHLD B118 E307-B	 13				.25 .25	NO NO			
B 118L			J18-G P35-V*	12 184				.22 .22	NO NO		115 115	
B 118R			J18-F P35-U*	12 184				.22 .22	NO NO		115 115	
B 119	1		J18-U P31-F	12 191				.22 .22	NO NO		115 115	
B 120	1		J18-V P33-Z	12 189				.22 .22	NO NO		115 115	
B 121	1		J18-W P31-FF	12 191				.22 .22	NO NO		115 115	
B 122	1		J18-X P27-Z	12 185				.22 .22	NO NO		115 115	
B 123	1		J18-AA P25-EE	12 195				.22 .22	NO NO		115 115	
B 124	1		J18-BB P25-PP	12 195				.22 .22	NO NO		115 115	
B 125	1		J18-DD P102D-1	12 49				.22 .12	NO NO		115 113	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 38 OF 209

MIL 2084 9 65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 126	1		J18-EE	12				.22	NO		115	
			P26-JJ	194				.22	NO		115	
B 127	1		J18-NN	12				.22	NO		115	
			P24-N*	196				.22	NO		115	
B 128	1		J19-T	7				.22	NO		114	
			P11-A	250				.22	NO		114	
B 129	1		J19-P*	7				.22	NO		114	
			P11-B	250				.22	NO		114	
B 130	1		J19-N*	7				.22	NO		114	
			P11-C	250				.22	NO		114	
B 131			DELETED									
B 132			DELETED									
B 133	1		J19-Z	7				.22	NO		114	
			P11-F	250				.22	NO		114	
B 134	1		J19-A*	7				.22	NO		114	
			P11-G	250				.22	NO		114	
B 135	1		J19-B*	7				.22	NO		114	
			P11-K	250				.22	NO		114	
B 136	1		J19-C*	7				.22	NO		114	
			P37-C	251				.22	NO		115	
B 137	1		J19-J*	7				.22	NO		114	
			E309-B	9				.25	NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 39 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 147	3		J19-E	7				.22	NO		114	
			P100D-3	87				.12	NO		113	
B 148	3		J19-F	7				.22	NO		114	
			P100D-4	87				.12	NO		113	
B 151	10				2.25	2.00				B,6A	120,119	
					2.25	2.00				A,7	120	
B 151A	1		SHLD B151					.25	NO			
			E338-B	8				.25	NO			
B 151L			J19-G*	7				.22	NO		114	
			P11-J	250				.22	NO			
B 151R			J19-H*	7				.22	NO		114	
			P11-H	250				.22	NO			
B 152	10				2.25	2.00				B,6A	120,121,119	
					2.25	2.00				A,7	120	
B 152A	1		SHLD B152					.25	NO			
			E309-B	9				.25	NO			
B 152L			J19-Y	7				.22	NO		116	
			P11-T	250				.22	NO		114	
B 152R			J19-X	7				.22	NO		116	
			P11-S	250				.22	NO		114	
B 153	2		J20-N	5				.22	NO		127	
			TB7-7	219				.20	NO		74	
B 154	2		J20-D	5				.22	NO		127	
			TB8-5	211				.20	NO		74	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 40 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 155	1		J20-M	5				.22	NO		115	
			P24-S	196				.22	NO		115	
B 156	1		J20-C	5				.22	NO		115	
			P24-C*	196				.22	NO		115	
B 157	1		J20-H	5				.22	NO		115	
			P129F-32	23F				.12	NO		138	
B 158	1		J20-E	5				.22	NO		115	
			P129F-27	23F				.12	NO		113	
B 159	1		J20-F	5				.22	NO		115	
			P129F-24	23F				.12	NO		113	
B 160	1		J20-G	5				.22	NO		115	
			P129F-23	23F				.12	NO		113	
B 161	1		J21-R*	2				.22	NO		114	
			P96-A	182				.22	NO		115	
B 162	1		J21-Q*	2				.22	NO		114	
			P96-B	182				.22	NO		115	
B 163	1		J21-P*	2				.22	NO		114	
			P96-C	182				.22	NO		115	
B 164	1		J21-N*	2				.22	NO		114	
			P96-D	182				.22	NO		115	
B 165	1		J21-M*	2				.22	NO		114	
			P96-E	182				.22	NO		115	
B 166	1		J21-B*	2				.22	NO		114	
			P96-G	182				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 41 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 167	1		J21-C*	2				.22	NO		114	
			P96-H	182				.22	NO		115	
B 168	1		J21-D*	2				.22	NO		114	
			P96-J	182				.22	NO		115	
B 169	1		J21-E*	2				.22	NO		114	
			P96-K	182				.22	NO		115	
B 170	1		J21-F*	2				.22	NO		114	
			P96-L	182				.22	NO		115	
B 171	1		J21-G*	2				.22	NO		114	
			P96-M	182				.22	NO		115	
B 172	1		J21-H*	2				.22	NO		114	
			P96-N	182				.22	NO		115	
B 173	1		J21-J*	2				.22	NO		114	
			P96-P	182				.22	NO		115	
B 174	1		J21-K*	2				.22	NO		114	
			P96-R	182				.22	NO		115	
B 175	1		J21-A*	2				.22	NO		114	
			P96-S	182				.22	NO		115	
B 176	1		J21-Z*	2				.22	NO		114	
			P98-N*	187				.22	NO		115	
B 177	1		J21-HH	2				.22	NO		114	
			P98-G*	187				.22	NO		115	
B 178	1		J21-EE	2				.22	NO		114	
			P98-DD	187				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 42 OF 209.

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 179	1		J21-V	2				.22	NO		114	
			P98-H*	187				.22	NO		115	
B 180	1		J21-L	2				.22	NO		114	
			P98-J*	187				.22	NO		115	
B 181	1		J21-M	2				.22	NO		114	
			P98-CC	187				.22	NO		115	
B 182	1		J21-X*	2				.22	NO		114	
			P98-I*	187				.22	NO		115	
B 183	1		J21-GG	2				.22	NO		114	
			P98-V	187				.22	NO		115	
B 184	1		J21-DD	2				.22	NO		114	
			P98-U	187				.22	NO		115	
B 185	1		J21-N	2				.22	NO		114	
			P98-T	187				.22	NO		115	
B 186	1		J21-J	2				.22	NO		114	
			P98-S	187				.27	NO		115	
B 187	1		J21-K	2				.22	NO		114	
			P98-R	187				.22	NO		115	
B 188	1		J21-S	2				.22	NO		114	
			P99-FF	186				.22	NO		115	
B 189	1		J21-FF	2				.22	NO		114	
			P98-S*	187				.22	NO		115	
B 190	1		J21-Y*	2				.22	NO		114	
			P98-R*	187				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 43 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 191	1		J21-AA	2				.22	NO		114	
			P98-P*	187				.22	NO		115	
B 192	1		J21-BB	2				.22	NO		114	
			P98-M*	187				.22	NO		115	
B 193	1		J21-CC	2				.22	NO		114	
			P98-PP	187				.22	NO		115	
B 194	1		J21-B	2				.22	NO		114	
			P129F-32	23F				.12	NO			
B 195	1		J21-C	2				.22	NO		114	
			P35-CC	184				.22	NO		115	
B 196	1		J21-D	2				.22	NO		114	
			P35-DD	184				.22	NO		115	
B 197	1		J21-E	2				.22	NO		114	
			P35-EE	184				.22	NO		115	
B 198	1		J21-F	2				.22	NO		114	
			P35-FF	184				.22	NO		115	
B 199	1		J21-G	2				.22	NO		114	
			P35-GG	184				.22	NO		115	
B 200	1		J21-H	2				.22	NO		114	
			P35-HH	184				.22	NO		115	
B 201	1		J21-P	2				.22	NO		114	
			P92-P*	183				.22	NO		115	
B 202	1		J21-R	2				.22	NO		114	
			P92-Q*	183				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 44 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 203	1		J21-U	2				.22	NO		114	
			P98-EE	187				.22	NO		115	
B 204	1		J21-W	2				.22	NO		114	
			P35-JJ	184				.22	NO		115	
B 205	1		J21-X	2				.22	NO		114	
			P35-W	184				.22	NO		115	
B 206	8				2.25	2.00				B,6A	120,119	
					2.25	2.00				A,7	120	
B 206A	1		SHLD B206					.25	NO			
			E310-B	19				.25	NO			
B 206L			J22-Q*	18				.22	NO		114	
			P35-B*	184				.22	NO		115	
B 206R			J22-P*	18				.22	NO		114	
			P35-C*	184				.22	NO		115	
B 207	1		J22-C*	18				.22	NO		114	
			P35-G*	184				.22	NO		115	
B 208	1		J22-A*	18				.22	NO		114	
			P35-X	184				.22	NO		115	
B 209	8				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 209B	3		E305-B	61				.25	NO			
			SHLD B209					.25	NO			
B 209L			J22-V	18				.22	NO		114	
			P107D-11	64				.12	NO		113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 45 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 209R			J22-U	18				.22	NO		114	
			P107D-13	64				.12	NO		113	
B 210	8				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 210B	3		E305-B	61				.25	NO			
			SHLD B210					.25	NO			
B 210L			J22-X	18				.22	NO		114	
			P107D-17	64				.12	NO		113	
B 210R			J22-W	18				.22	NO		114	
			P107D-19	64				.12	NO		113	
B 211	8				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 211B	3		E305-B	61				.25	NO			
			SHLD B211					.25	NO			
B 211L			J22-Z	18				.22	NO		114	
			P107D-23	64				.12	NO		113	
B 211R			J22-Y	18				.22	NO		114	
			P107D-25	64				.12	NO		113	
B 212	10				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 212B	1		E310-B	19				.25	NO			
			SHLD B212					.25	NO			
B 212L			J22-T	18				.22	NO		114	
			P11-FF	250				.22	NO		114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 46 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 212R			J22-S	18				.22	NO		114	
			P11-X	250				.22	NO		114	
B 213	7				2.25	2.00				B,6A	120,119	
					2.25	2.00				A,7	120	
B 213A	1		SHLD B213					.25	NO			
			E310-B	19				.25	NO			
B 213L			J22-E	18				.22	NO		114	
			P11-T	250				.22	NO		114	
B 213R			J22-D	18				.22	NO		114	
			P11-S	250				.22	NO		114	
B 214	1		J22-AA	18				.22	NO		114	
			P11-V	250				.22	NO		114	
B 215	1		J22-BB	18				.22	NO		114	
			P11-W	250				.22	NO		114	
B 216	1		J22-CC	18				.22	NO		114	
			P37-H*	251				.22	NO		115	
B 217	1		J22-DD	18				.22	NO		114	
			P37-J*	251				.22	NO		115	
B 218	1		J22-EE	18				.22	NO		114	
			P37-N*	251				.22	NO		115	
B 219	1		J22-GG	18				.22	NO		114	
			P37-S*	251				.22	NO		115	
B 220	1		J22-HH	18				.22	NO		114	
			P37-U*	251				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 221	1		J22-W*	18				.22	NO		114	
			P37-W*	251				.22	NO		115	
B 222	1		J22-X*	18				.22	NO		114	
			P37-Y*	251				.22	NO		115	
B 223	1		J22-Y*	18				.22	NO		114	
			P37-AA	251				.22	NO		115	
B 224	1		J22-Z*	18				.22	NO		114	
			P37-CC	251				.22	NO		115	
B 225	1		J22-D*	18				.22	NO		114	
			P35-D*	184				.22	NO		115	
B 226	1		J22-R*	18				.22	NO		114	
			P36-Q*	181				.22	NO		115	
B 227	1		J22-T*	18				.22	NO		114	
			P36-AA	181				.22	NO		115	
B 228	1		J22-F	18				.22	NO		114	
			P36-DD	181				.22	NO		115	
B 229	1		J22-K*	18				.22	NO		114	
			P36-BB	181				.22	NO		115	
B 230	1		J22-B*	18				.22	NO		114	
			P35-A*	184				.22	NO		115	
B 231	1		J22-E*	18				.22	NO		114	
			P36-LL	181				.22	NO		115	
B 232	1		J22-F*	18				.22	NO		114	
			P36-X*	181				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 233	1		J22-G*	18				.22	NO		114	
			P36-W*	181				.22	NO		115	
B 234	1		J22-H*	18				.22	NO		114	
			P36-EE	181				.22	NO		115	
B 235	1		J22-J*	18				.22	NO		114	
			P36-JJ	181				.22	NO		115	
B 236	1		J22-K	18				.22	NO		114	
			P33-R	189				.22	NO		115	
B 237	1		J22-R	18				.22	NO		114	
			P107D-12	64				.12	NO		113	
B 238	1		J22-P	18				.22	NO		114	
			P107D-18	64				.12	NO		113	
B 239	1		J22-N	18				.22	NO		114	
			P107D-24	64				.12	NO		113	
B 240	1		J22-M	18				.22	NO		114	
			P129F-15	23F				.12	NO		113	
B 241	1		J22-I*	18				.22	NO		114	
			P36-GG	181				.22	NO		115	
B 242	1		J23-A	14				.22	NO		114	
			P41-S*	107				.22	NO		115	
B 243	1		J23-B	14				.22	NO		114	
			P41-T*	107				.22	NO		115	
B 244	1		J23-C	14				.22	NO		114	
			P41-U*	107				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 245	1		J23-D	14				.22	NO		114	
			P41-V*	107				.22	NO		115	
B 246	1		J23-E	14				.22	NO		114	
			P41-W*	107				.22	NO		115	
B 247	1		J23-F	14				.22	NO		114	
			P41-X*	107				.22	NO		115	
B 248	1		J23-G	14				.22	NO		114	
			P41-Y*	107				.22	NO		115	
B 249	1		J23-H	14				.22	NO		114	
			P41-Z*	107				.22	NO		115	
B 250	1		J23-J	14				.22	NO		114	
			P41-AA	107				.22	NO		115	
B 251	1		J23-V	14				.22	NO		114	
			P41-BB	107				.22	NO		115	
B 252	1		J23-W	14				.22	NO		114	
			P41-CC	107				.22	NO		115	
B 253	1		J23-X	14				.22	NO		114	
			P41-DD	107				.22	NO		115	
B 254	1		J23-Y	14				.22	NO		114	
			P41-EE	107				.22	NO		115	
B 255	1		J23-Z	14				.22	NO		114	
			P41-FF	107				.22	NO		115	
B 256	1		J23-A*	14				.22	NO		114	
			P41-GG	107				.22	NO		115	

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 257	1		J23-B* P41-HH	14 107				.22 .22	NO NO		114 115	
B 258	1		J23-C* P41-JJ	14 107				.22 .22	NO NO		114 115	
B 259	1		J23-D* P41-KK	14 107				.22 .22	NO NO		114 115	
B 260	1		J23-E* P41-LL	14 107				.22 .22	NO NO		114 115	
B 261	1		J23-Q* P41-MM	14 107				.22 .22	NO NO		114 115	
B 262	1		J23-R* P41-NN	14 107				.22 .22	NO NO		114 115	
263	1		J23-S* P41-PP	14 107				.22 .22	NO NO		114 115	
B 264	1		J23-EE P109D-25	14 79				.22 .12	NO NO		114 113	
B 265	1		J23-FF P109D-26	14 79				.22 .12	NO NO		114 113	
B 266	1		J23-GG P109D-1	14 79				.22 .12	NO NO		114 113	
B 267	1		J23-HH P109D-2	14 79				.22 .12	NO NO		114 113	
B 268	1		J23-U* P121D-13	14 72				.22 .12	NO NO		114 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 51 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 269	1		J23-V* P121D-14	14 72				.22 .12	NO NO		114 113	
B 270	1		J23-W* P100D-1	14 87				.22 .12	NO NO		114 113	
B 271	1		J23-X* P100D-2	14 87				.22 .12	NO NO		114 113	
B 272	1		J23-AA P115D-19	14 77				.22 .12	NO NO		114 113	
B 273	1		J23-BB P115D-20	14 77				.22 .12	NO NO		114 113	
B 274	1		J23-CC P121D-3	14 72				.22 .12	NO NO		114 113	
B 275	1		J23-DD P121D-4	14 72				.22 .12	NO NO		114 113	
B 276	143				4.00 2.25	3.75 2.00				B,6A A,7	120,119 120	
B 276A	1		SHLD B276 E311-B	11				.25 .25	NO NO			
B 276L			J24-H P21-S*	10 202				.22 .22	NO NO		115 115	
B 276R			J24-G P21-U*	10 202				.22 .22	NO NO		115 115	
B 276Y			J24-J P21-T*	10 202				.22 .22	NO NO		115 115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 52 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 277	1		J24-R* P37-K	10 251				.22 .22	NO NO		115 115	
B 278	1		J24-S* P37-M	10 251				.22 .22	NO NO		115 115	
B 279	1		J24-V* P37-T*	10 251				.22 .22	NO NO		115 115	
B 280	1		J24-BB P37-V*	10 251				.22 .22	NO NO		115 115	
B 281	1		J24-W* P37-P*	10 251				.22 .22	NO NO		115 115	
B 282	1		J24-Y* P37-X*	10 251				.22 .22	NO NO		115 115	
B 283	1		J24-O* P37-Z*	10 251				.22 .22	NO NO		115 115	
B 284	1		J24-N* P37-BB	10 251				.22 .22	NO NO		115 115	
B 285	1		J24-P* P37-DD	10 251				.22 .22	NO NO		115 115	
B 286	1		J24-U* P37-I*	10 251				.22 .22	NO NO		115 115	
B 287	10				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 287A	1		SHLD B287 E311-B	11				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 53 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 287L			J24-D P37-NN	10 251				.22 .22	NO NO		115 115	
B 287R			J24-C P37-Z	10 251				.22 .22	NO NO		115 115	
B 288	1		J24-X* P37-M*	10 251				.22 .22	NO NO		115 115	
B 289	1		J24-T* P37-L	10 251				.22 .22	NO NO		115 115	
B 290	1		J24-AA P37-R*	10 251				.22 .22	NO NO		115 115	
B 291	1		J24-Z* P37-K*	10 251				.22 .22	NO NO		115 115	
B 292	1		J24-B P129A-32	10 174A				.22 .12	NO NO		115 138	
B 293	1		J25-CC P100D-13	6 87				.22 .12	NO NO		115 113	
B 294	1		J25-DD P100D-7	6 87				.22 .12	NO NO		115 113	
B 295	1		J25-B P129D-32	6 174D				.22 .12	NO NO		115 113	
B 296	1		J25-X P26-AA	6 194				.22 .22	NO NO		115 115	
B 297	1		J25-W P110D-19	6 60				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 54 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 298	1		J25-T P26-CC	6 194				.22 .22	NO NO		115 115	
B 299	1		J25-C P96-Q*	6 182				.22 .22	NO NO		115 115	
B 300	1		J25-D P96-R*	6 182				.22 .22	NO NO		115 115	
B 301	1		J25-E P96-S*	6 182				.22 .22	NO NO		115 115	
B 302	1		J25-F P96-T*	6 182				.22 .22	NO NO		115 115	
B 303	1		J25-G P96-U*	6 182				.22 .22	NO NO		115 115	
B 304	1		J25-H P96-V*	6 182				.22 .22	NO NO		115 115	
B 305	1		J25-J P96-W*	6 182				.22 .22	NO NO		115 115	
B 306	1		J25-K P96-X*	6 182				.22 .22	NO NO		115 115	
B 307	1		J25-L P96-Y*	6 182				.22 .22	NO NO		115 115	
B 308	1		J25-M P96-Z*	6 182				.22 .22	NO NO		115 115	
B 309	1		J25-Z P96-F*	6 182				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 55 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 310			DELETED									
B 311			DELETED									
B 312	1		J25-P* P96-AA	6 182				.22 .22	NO NO		115 115	
B 313	1		J25-Q* P96-BB	6 182				.22 .22	NO NO		115 115	
B 314	1		J25-R* P96-EE	6 182				.22 .22	NO NO		115 115	
B 315			DELETED									
B 316			DELETED									
B 317	2		J26-AA TB7-5	3 221				.22 .20	NO NO		127 74	
B 318	3		J26-C* P129F-11	3 23F				.22 .12	NO NO		115 113	
B 319	1		J26-D* P129F-12	3 23F				.22 .12	NO NO		115 113	
B 320	1		J26-J* P114D-15	3 37				.22 .12	NO NO		115 113	
B 321	1		J26-E* P114D-17	3 37				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 56 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 322	1		J26-H* P115D-3	3 77				.22 .12	NO NO		115 113	
B 323	1		J26-G* P115D-5	3 77				.22 .12	NO NO		115 113	
B 324	1		J26-I* P114D-21	3 37				.22 .12	NO NO		115 113	
B 325	1		J26-F* P114D-23	3 37				.22 .12	NO NO		115 113	
B 326	1		J26-GG P114D-27	3 37				.22 .12	NO NO		115 113	
B 327	1		J26-HH P114D-29	3 37				.22 .12	NO NO		115 113	
B 328	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 328B	1		P115D-16 SHLD B328	77				.12 .25	NO NO		138	
B 328L			J26-U* P115D-16	3 77				.22 .12	NO NO		115	
B 328R			J26-T* P115D-15	3 77				.22 .12	NO NO		115 113	
B 329	1		J26-S* P99-P	3 186				.22 .22	NO NO		115 115	
B 330	1		J26-X* P34-C	3 188				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 57 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 331	1		J26-Y* P34-B	3 188				.22 .22	NO NO		115 115	
B 332	1		J26-Z* P34-E	3 188				.22 .22	NO NO		115 115	
B 333	1		J26-CC P34-G	3 188				.22 .22	NO NO		115 115	
B 334	1		J26-R* P34-E*	3 188				.22 .22	NO NO		115 115	
B 335	1		J26-W* P99-F	3 186				.22 .22	NO NO		115 115	
B 336	2		J26-BB TB8-4	3 212				.22 .20	NO NO		127 74	
B 337	1		J26-V* P34-G*	3 188				.22 .22	NO NO		115 115	
B 338	1		J26-FF P129F-7	3 23F				.22 .12	NO NO		115 113	
B 339	1		J26-B P114D-32	3 37				.22 .12	NO NO		115 113	
B 340	2		J26-C TB7-6	3 220				.22 .20	NO NO		127 74	
B 341	2		J26-D TB8-5	3 211				.22 .20	NO NO		127 74	
B 342	3		J26-EE P129F-5	3 23F				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 58 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 343	1		J26-K* P98-BB	3 187				.22 .22	NO NO		115 115	
B 344	1		J26-K* P37-A*	3 251				.22 .22	NO NO		115 115	
B 345	10				2.25 4.00	2.00 3.70				A,7 A,6B	120 120,119	
B 345B	1		P114D-31 SHLD B345	37				.12 .25	NO NO		113	
B 345L			J26-M P114D-10	3 37				.22 .12	NO NO		115 113	
B 345R			J26-L P114D-9	3 37				.22 .12	NO NO		115 113	
B 347	1		J26-M* P114D-16	3 37				.22 .12	NO NO		115 113	
B 348	1		J26-P* P114D-28	3 37				.22 .12	NO NO		115 113	
B 349	1		J26-N* P115D-4	3 77				.22 .12	NO NO		115 113	
B 350	1		J26-DD P129F-3	3 23F				.22 .12	NO NO		115 113	
B 351	143				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 351B	1		E313-B SHLD B351	195A				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 351L			J27-B P26-E	1 194				.22 .22	NO NO		114 115	
B 351R			J27-C P26-D	1 194				.22 .22	NO NO		114 115	
B 351Y			J27-A P26-F	1 194				.22 .22	NO NO		114 115	
B 352	1		J27-D P26-G	1 194				.22 .22	NO NO		114 115	
B 353	1		J27-E P26-H	1 194				.22 .22	NO NO		114 115	
B 354	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 354E			J28-1A P49-29A	91 168				.28 .28	NO NO		130 132	
B 354X			J28-1B P49-29B	91 168								
B 355	118				.44 .44	.26 .28					128,129,120 128,131,120	
B 355E			J28-2A P49-14A	91 168				.28 .28	NO NO		130 132	
B 355X			J28-2B P49-14B	91 168								
B 356	118				.44 .44	.28 .28					128,129,120 128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 356E			J28-3A P49-28A	91 168				.28 .28	NO NO		130 132	
B 356X			J28-3B P49-28B	91 168								
B 357	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 357E			J28-4A P49-30A	91 168				.28 .28	NO NO		130 132	
B 357X			J28-4B P49-30B	91 168								
B 358	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 358E			J28-5A P49-46A	91 168				.28 .28	NO NO		130 132	
B 358X			J28-5B P49-46B	91 168								
B 359	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 359E			J28-6A P49-48A	91 168				.28 .28	NO NO		130 132	
B 359X			J28-6B P49-48B	91 168								
B 360	118				.44 .44	.28 .28					128,129,120 128,131,120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 360E			J28-7A P49-3A	91 168				.28 .28	NO NO		130 132	
B 360X			J28-7B P49-3B	91 168								
B 361	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 361E			J28-8A P49-9A	91 168				.28 .28	NO NO		130 132	
B 361X			J28-8B P49-9B	91 168								
B 362	118				.44 .44	.28 .28					128,129,120 120, 97, 98	
B 362E			J28-9A P128A-16A	91 171				.28 .22	NO NO		130 96	
B 362X			J28-9B P128A-16B	91 171								
B 363	118				.44 .44	.28 .28					128,129,120 120, 97, 98	
B 363E			J28-10A P128A-18A	91 171				.28 .22	NO NO		130 96	
B 363X			J28-10B P128A-18B	91 171								
B 364	118				.44 2.25	.28 2.00				 B,6A	128,129,120 119,124,120	

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 364B	1		P16-Q* SHLD B364	199				.22 .25	NO NO		114	
B 364E			J28-11A P16-P*	91 199				.28 .22	NO NO		130 114	
B 364X			J28-11B SHLD B364	91								
B 365	118				.44 2.25	.28 2.00				B,6A	128,129,120 119,124,120	
B 365B	1		P16-V* SHLD B365	199				.22 .25	NO NO		114	
B 365E			J28-12A P16-U*	91 199				.28 .22	NO NO		130 114	
B 365X			J28-12B SHLD B365	91								
B 366	118				.44 .44	.28 .28					128,129,120 120, 97, 98	
B 366E			J28-13A P128A-17A	91 171				.28 .22	NO NO		130 96	
B 366X			J28-13B P128A-17B	91 171								
B 367	118				.44 2.25	.28 2.00				B,6A	128,129,120 119,124,120	
B 367B	1		P17-T SHLD B367	200				.22 .25	NO NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 63 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 367E			J28-14A P17-S	91 200				.28 .22	NO NO		130 115	
B 367X			J28-14B SHLD B367	91								
B 368	118				.44 2.25	.28 2.00				B,6A	128,129,120 119,124,120	
B 368B	1		P16-EE SHLD B368	199				.22 .25	NO NO		114	
B 368E			J28-15A P16-DD	91 199				.28 .22	NO NO		130 114	
B 368X			J28-15B SHLD B368	91								
B 369	118				.44 2.25	.28 2.00				B,6A	128,129,120 119,124,120	
B 369B	1		P16-X* SHLD B369	199				.22 .25	NO NO		114	
B 369E			J28-16A P16-W*	91 199				.28 .22	NO NO		130 114	
B 369X			J28-16B SHLD B369	91								
B 370	118				.44 2.25	.28 2.00				B,6B	128,129,120 119,120	
B 370B	1		P27-S* SHLD B370	185				.22 .25	NO NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 64 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 370E			J28-17A P27-R*	91 185				.28 .22	NO NO		130 115	
B 370X			J28-17B SHLD B370	91								
B 371	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 371E			J29-1A P60-32A	92 122				.28 .28	NO NO		130 132	
B 371X			J29-1B P60-32B	92 122								
B 372	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 372E			J29-2A P60-33A	92 122				.28 .28	NO NO		130 132	
B 372X			J29-2B P60-33B	92 122								
B 373	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 373E			J29-3A P60-34A	92 122				.28 .28	NO NO		130 132	
B 373X			J29-3B P60-34B	92 122								
B 374	118				.44 .44	.28 .28					128,129,120 128,131,120	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 65 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 374E			J29-4A P60-4A	92 122				.28 .28	NO NO		130 132	
B 374X			J29-4B P60-4B	92 122								
B 375	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 375E			J29-5A P60-5A	92 122				.28 .28	NO NO		130 132	
B 375X			J29-5B P60-5B	92 122								
B 376	118				.44 .44	.28 .28					128,129,120 128,131,120	
B 376E			J29-6A P60-6A	92 122				.28 .28	NO NO		130 132	
B 376X			J29-6B P60-6B	92 122								
B 377	7				2.25 4.00	2.00 3.75				B,6B B,6B	120,119 120,119	
B 377A	1		SHLD B377 J30-3	 90				.25 .19	NO NO		 133	
B 377B	1		P119D-31 SHLD B377	53				.12 .25	NO NO		138	
B 377L			J30-2 P119D-22	90 53				.19 .12	NO NO		133 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 66 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 377R			J30-1	90				.19	NO		133	
			P119D-21	53				.12	NO		113	
B 378	7				2.25	2.00				B,6B	120,119	
					4.00	3.75				B,6B	120,119	
B 378A	1		SHLD B378					.25	NO			
			J30-6	90				.19	NO		133	
B 378B	1		P119D-31	53				.12	NO			
			SHLD B378					.25	NO			
B 378L			J30-5	90				.19	NO		133	
			P119D-24	53				.12	NO		113	
B 378R			J30-4	90				.19	NO		133	
			P119D-23	53				.12	NO		113	
B 379	118				.44	.28					128,129,120	
					.44	.28					128,131,120	
B 379E			J30-7A	90				.28	NO		130	
			P60-38A	122				.28	NO		132	
B 379X			J30-7B	90								
			P60-38B	122								
B 380	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 380B	1		E315-B	172				.25	NO			
			SHLD B380					.25	NO			
B 380L			P1-C	193				.22	NO		115	
			P91-C*	173				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 67 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 380R			P1-F	193				.22	NO		115	
			P91-C	173				.22	NO		115	
B 381	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 381B	1		E315-B	172				.25	NO			
			SHLD B381					.25	NO			
B 381L			P1-R	193				.22	NO		115	
			P91-E*	173				.22	NO		115	
B 381R			P1-G	193				.22	NO		115	
			P91-E	173				.22	NO		115	
B 382	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 382B	1		E315-B	172				.25	NO			
			SHLD B382					.25	NO			
B 382L			P1-U	193				.22	NO		115	
			P91-G*	173				.22	NO		115	
B 382R			P1-K	193				.22	NO		115	
			P91-G	173				.22	NO		115	
B 383	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 383B	1		P117A-31	36				.12	NO		138	
			SHLD B383					.25	NO			
B 383L			P1-D	193				.22	NO		115	
			P117A-6	36				.12	NO		113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 68 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 383R			P1-B	193				.22	NO		115	
			P117A-5	36				.12	NO		113	
B 384	9				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,121	
B 384B	1		TB6-6	240				.20	NO		74	
			SHLD B384					.25	NO			
B 384L			P2-E	192				.22	NO		117	
			TB6-6	240				.20	NO		74	
B 384R			P2-D	192				.22	NO		117	
			TB6-9	243				.20	NO		74	
B 385	2		P2-A	192				.22	NO		117	
			P126F-27	30				.22	NO		138	
B 386	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6B	120,119	
B 386B	1		E315-B	172				.25	NO			
			SHLD B386					.25	NO			
B 386L			P3-C	149				.22	NO		115	
			P91-K*	173				.22	NO		115	
B 386R			P3-F	149				.22	NO		115	
			P91-K	173				.22	NO		115	
B 387	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 387B	1		E315-B	172				.25	NO			
			SHLD B387					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 69 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 387L			P3-R	149				.22	NO		115	
			P91-N*	173				.22	NO		115	
B 387R			P3-G	149				.22	NO		115	
			P91-N	173				.22	NO		115	
B 388	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 388B	1		E315-B	172				.25	NO			
			SHLD B388					.25	NO			
B 388L			P3-U	149				.22	NO		115	
			P91-R*	173				.22	NO		115	
B 388R			P3-K	149				.22	NO		115	
			P91-R	173				.22	NO		115	
B 389	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 389B	1		P117A-31	36				.12	NO			
			SHLD B389					.25	NO			
B 389L			P3-D	149				.22	NO		115	
			P117A-10	36				.12	NO		113	
B 389R			P3-B	149				.22	NO		115	
			P117A-9	36				.12	NO		113	
B 390	9				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,121	
B 390B	1		TB6-5	239				.20	NO		74	
			SHLD B390					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 70 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 390L			P4-E	148				.22	NO		117	
			T86-5	239				.20	NO		74	
B 390R			P4-D	148				.22	NO		117	
			T86-8	242				.20	NO		74	
B 391	2		P4-A	148				.22	NO		117	
			P126E-31	31				.22	NO		138	
B 392	2		P5-V*	110				.22	NO		126	
			T89-3	101				.20	NO		74	
B 393	2		P5-BB	110				.22	NO		126	
			T89-1	103				.20	NO		74	
B 394	1		P5-S*	110				.22	NO		114	
			P64-GG	134				.22	NO		115	
B 395	1		P5-FF	110				.22	NO		114	
			P64-V*	134				.22	NO		115	
B 396	1		P5-CC	110				.22	NO		114	
			P64-W*	134				.22	NO		115	
B 397	1		P5-DD	110				.22	NO		114	
			P64-X*	134				.22	NO		115	
B 398	1		P5-W*	110				.22	NO		114	
			P64-Y*	134				.22	NO		115	
B 399	1		P5-Y*	110				.22	NO		114	
			P64-Z*	134				.22	NO		115	
B 400	1		P5-AA	110				.22	NO		114	
			P64-AA	134				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 71 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 401	1		P5-C	110				.22	NO		114	
			P41-B	107				.22	NO		115	
B 402	1		P5-D	110				.22	NO		114	
			P41-C	107				.22	NO		115	
B 403	1		P5-E	110				.22	NO		114	
			P41-D	107				.22	NO		115	
B 404	1		P5-H	110				.22	NO		114	
			P39-LL	105				.22	NO		115	
B 405	1		P5-J	110				.22	NO		114	
			P39-MM	105				.22	NO		115	
B 406	1		P5-K	110				.22	NO		114	
			P39-NN	105				.22	NO		115	
B 407	1		P5-L	110				.22	NO		114	
			P39-PP	105				.22	NO		115	
B 408	1		P5-P	110				.22	NO		114	
			P39-GG	105				.22	NO		115	
B 409	1		P5-R	110				.22	NO		114	
			P39-HH	105				.22	NO		115	
B 410	1		P5-S	110				.22	NO		114	
			P39-JJ	105				.22	NO		115	
B 411	1		P5-T	110				.22	NO		114	
			P39-KK	105				.22	NO		115	
B 412	1		P5-W	110				.22	NO		114	
			P39-CC	105				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 72 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 413	1		P5-X	110				.22	NO		114	
			P39-DD	105				.22	NO		115	
B 414	1		P5-Y	110				.22	NO		114	
			P39-EE	105				.22	NO		115	
B 415	1		P5-Z	110				.22	NO		114	
			P39-FF	105				.22	NO		115	
B 416	1		P5-B*	110				.22	NO		114	
			P39-Y*	105				.22	NO		115	
B 417	1		P5-C*	110				.22	NO		114	
			P39-Z*	105				.22	NO		115	
B 418	1		P5-D*	110				.22	NO		114	
			P39-AA	105				.22	NO		115	
B 419	1		P5-E*	110				.22	NO		114	
			P39-BB	105				.22	NO		115	
B 420	1		P5-G*	110				.22	NO		114	
			P39-U*	105				.22	NO		115	
B 421	1		P5-H*	110				.22	NO		114	
			P39-V*	105				.22	NO		115	
B 422	1		P5-I*	110				.22	NO		114	
			P39-W*	105				.22	NO		115	
B 423	1		P5-J*	110				.22	NO		114	
			P39-X*	105				.22	NO		115	
B 424	1		P5-R*	110				.22	NO		114	
			P39-S*	105				.22	NO		115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 73 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 425	1		P5-S*	110				.22	NO		114	
			P39-P*	105				.22	NO		115	
B 426	1		P5-P*	110				.22	NO		114	
			P39-T*	105				.22	NO		115	
B 427	1		P5-U*	110				.22	NO		114	
			P39-Q*	105				.22	NO		114	
B 428	1		P5-B	110				.22	NO		114	
			P116A-19	58				.12	NO		113	
B 429	1		P5-T*	110				.22	NO		114	
			P116A-20	58				.12	NO		113	
B 430	118				.52	.23				A,10	92, 94,120 148	
					.52	.23				A,10	92, 94,120 148	
B 430E			P7-D1	108				.11	NO		90	
			P93-B1	130				.11	NO		90	
B 430X			P7-D2	108								
			P93-B2	130								
B 431	118				.52	.23				A.10	92, 94,120 148	
					2.25	2.00				B,6B	119,120	
B 431B	1		P63-CC	137				.22	NO		115	
			SHLD B431					.25	NO			
B 431E			P7-F1	108				.11	NO		90	
			P63-DD	137				.22	NO		115	
B 431X			P7-F2	108								
			SHLD B431									

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 74 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 432	118				.52	.23				A,10	92, 94	148
					.52	.23				A,10	92, 94	148
B 432E			P7-A1	108				.11	NO		90	
			P69-A1	136				.11	NO		90	
B 432X			P7-A2	108								
			P69-A2	136								
B 433	118				.52	.23				A,10	92, 94	148
					.52	.23				A,10	92, 94	148
B 433E			P7-B1	108				.11	NO		90	
			P93-A1	130				.11	NO		90	
B 433X			P7-B2	108								
			P93-A2	130								
B 434	118				.52	.23				A,10	92, 94,120	148
					2.25	2.00				B,6B	119,120	
B 434B	1		P17-A*	200				.22	NO		115	
			SHLD B434					.25	NO			
B 434E			P7-C1	108				.11	NO		90	
			P17-B*	200				.22	NO		115	
B 434X			P7-C2	108								
			SHLD B434									
B 435	9				2.25	2.00				A,7	120	
					2.25	2.00				B,6B	120,121	
B 435B	1		TB9-10	96				.20	NO		74	
			SHLD B435					.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 75 OF 209

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WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 435L			P8-E	109				.22	NO		117	
			TB9-10	96				.20	NO		74	
B 435R			P8-D	109				.22	NO		117	
			TB9-7	99				.20	NO		74	
B 436	2		P8-A	109				.22	NO		117	
			P126F-28	30				.22	NO		138	
B 437	1		P11-M*	250				.22	NO		114	
			P24-R*	196				.22	NO		115	
B 438	1		P11-K*	250				.22	NO		114	
			P24-P*	196				.22	NO		115	
B 439	1		P11-N*	250				.22	NO		114	
			P24-S*	196				.22	NO		115	
B 440	2		P11-T*	250				.22	NO		126	
			P126F-30	30				.22	NO		138	
B 441	1		P11-D*	250				.22	NO		114	
			P111D-3	41				.12	NO		113	
B 442	1		P11-E*	250				.22	NO		114	
			P110D-29	60				.22	NO		113	
B 443	1		P11-F*	250				.22	NO		114	
			P111D-9	41				.12	NO		113	
B 444	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6B	120,119	
B 444B	1		P111D-31	41				.12	NO		113	
			SHLD B444					.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 76 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 444L			P11-C*	250				.22	NO		114	
			P111D-4	41				.12	NO		113	
B 444R			P11-G*	250				.22	NO		114	
			P111D-5	41				.12	NO		113	
B 445	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 445A	1		SHLD B445					.25	NO			
			E338-B	8				.25	NO			
B 445L			J19-W	7				.22	NO		116	
			P11-Z*	250				.22	NO		126	
B 445R			J19-U	7				.22	NO		116	
			P11-Q*	250				.22	NO		126	
B 446	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 446A	1		SHLD B446					.22	NO		116	
			E338-B	8				.25	NO			
B 446L			E339B	8A				.25	NO			
			P11-L	250				.22	NO		126	
B 446R			J19-E*	7				.22	NO		116	
			P11-M	250				.22	NO		126	
B 447	9				2.25	2.00				B,6A	120,121	
					2.25	2.00				A,7	120	
B 447A	1		SHLD B447					.25	NO			
			E338-B	8				.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 77 OF 209

MIL 2084 9-65

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 447L			J19-R*	7				.22	NO		116	
			P11-P	250				.22	NO		126	
B 447R			J19-Q*	7				.22	NO		116	
			P11-N	250				.22	NO		126	
B 449	1		P11-Y	250				.22	NO		114	
			P129E-25	23E				.12	NO		113	
B 450	1		P11-Z	250				.22	NO		114	
			P129E-26	23E				.12	NO		113	
B 451	1		P11-U*	250				.22	NO		114	
			P130F-9	22F				.12	NO		113	
B 452	1		P11-V*	250				.22	NO		114	
			P130F-10	22F				.12	NO		113	
B 453	1		P11-BB	250				.22	NO		114	
			P111A-21	42				.12	NO		113	
B 454	1		P11-CC	250				.22	NO		114	
			P111A-22	42				.12	NO		113	
B 455	1		P11-D	250				.22	NO		114	
			P34-F*	188				.22	NO		115	
B 456	1		P11-E	250				.22	NO		114	
			P130E-5	22E				.12	NO		113	
B 457	118				.50	.31					120	
					.44	.28					128,131,120	
B 457E			P13-1	143				.11	NO			
			P62-46A	125				.28	NO		132	

SIZE A | CODE IDENT NO. 99974 | 2900542
SCALE-NONE | REV LTR L | SHEET 78 OF 209

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 457X			P13-2 P62-46B	143 125								
B 458	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 458A	1		SHLD B458 P14-T	 197				.25 .22	NO NO		 114	
B 458E			P14-S P1278-9A	197 170B				.22 .22	NO NO		114 96	
B 458X			SHLD B458 P1278-9B	 170B								
B 459	118				2.25 .44	2.00 .28				B,6B	119,120 120, 97, 98	
B 459A	1		SHLD B459 P14-G*	 197				.25 .22	NO NO		 114	
B 459E			P14-F* P1278-14A	197 170B				.22 .22	NO NO		114 96	
B 459X			SHLD B459 P1278-14B	 170B								
B 460	118				2.25 .44	2.00 .28				B,6B	119,120 120, 97, 98	
B 460A	1		SHLD B460 P14-R	 197				.25 .22	NO NO		 114	
B 460E			P14-P P1278-12A	197 170B				.22 .22	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 460X			SHLD B460 P1278-12B	 170B								
B 461	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 461A	1		SHLD B461 P14-S*	 197				.25 .22	NO NO		 114	
B 461E			P14-U* P1278-17A	197 170B				.22 .22	NO NO		114 96	
B 461X			SHLD B461 P1278-17B	 170B								
B 462	118				2.25 .44	2.00 .28				B,6B	119,120 120, 97, 98	
B 462A	1		SHLD B462 P14-E	 197				.25 .22	NO NO		 114	
B 462E			P14-D P1288-8A	197 167B				.22 .22	NO NO		114 96	
B 462X			SHLD B462 P1288-8B	 167B								
B 463	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 463A	1		SHLD B463 P14-X*	 197				.25 .22	NO NO		 114	
B 463E			P14-R* P1278-19A	197 170B				.22 .22	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 463X			SHLD B463 P1278-19B	 170B								
B 464	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 464A	1		SHLD B464 P14-GG	 197				.25 .22	NO NO		 114	
B 464E			P14-FF P1288-13A	197 167B				.22 .22	NO NO		114 96	
B 464X			SHLD B464 P1288-13B	 167B								
B 465	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 465A	1		SHLD B465 P14-HH	 197				.25 .22	NO NO		 114	
B 465E			P14-CC P1288-11A	197 167B				.22 .22	NO NO		114 96	
B 465X			SHLD B465 P1288-11B	 167B								
B 466	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 466A	1		SHLD B466 P14-EE	 197				.25 .22	NO NO		 114	
B 466E			P14-DD P1288-12A	197 167B				.22 .22	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 466X			SHLD B466 P1288-12B	 167B								
B 467	1		P14-E* P115A-24	197 78				.22 .12	NO NO		114 113	
B 468	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 468A	1		SHLD B468 P14-A*	 197				.25 .22	NO NO		 114	
B 468E			P14-B* P1288-9A	197 167B				.22 .22	NO NO		114 96	
B 468X			SHLD B468 P1288-9B	 167B								
B 469	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 469A	1		SHLD B468 P14-N	 197				.25 .22	NO NO		 114	
B 469E			P14-M P1288-1A	197 167B				.22 .22	NO NO		114 96	
B 469X			SHLD B469 P1288-1B	 167B								
B 470	118				2.25 .44	2.00 .28				8,6B	119,120 120, 97, 98	
B 470A	1		SHLD B470 P14-B	 197				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 470E			P14-C P128B-4A	197 167B				.22 .22	NO NO		114	
B 470X			SHLD B470 P128B-4B	 167B								
B 471	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 471A	1		SHLD B471 P14-K*	 197				.25 .22	NO NO		 114	
B 471E			P14-J* P128B-5A	197 167B				.22 .22	NO NO		114 96	
B 471X			SHLD B471 P128B-5B	 167B								
B 472	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 472A	1		SHLD B472 P14-Q*	 197				.25 .22	NO NO		 114	
B 472E			P14-P* P128B-2A	197 167B				.22 .22	NO NO		114 96	
B 472X			SHLD B472 P128B-2B	 167B								
B 473	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 473A	1		SHLD B473 P14-M*	 197				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 473E			P14-N* P128B-3A	197 167B				.22 .22	NO NO		114 96	
B 473X			SHLD B473 P128B-3B	 167B								
B 474	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 474A	1		SHLD B474 P14-W	 197				.25 .22	NO NO		 114	
B 474E			P14-X P49-25A	197 168				.28 .19	NO NO		114 132	
B 474X			SHLD B474 P49-25B	 168								
B 475	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 475A	1		SHLD B475 P15-I*	 198				.25 .22	NO NO		 114	
B 475E			P15-H* P127B-10A	198 167B				.22 .22	NO NO		114 96	
B 475X			SHLD B475 P127B-10B	 167B								
B 476	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 476A	1		SHLD B475 P15-V	 198				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 476E			P15-U P127B-11A	198 167B				.22 .22	NO NO		114 96	
B 476X			SHLD B476 P127B-11B	 167B								
B 477	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 477A	1		SHLD B477 P15-G*	 198				.25 .22	NO NO		 114	
B 477E			P15-F* P127B-13A	198 170B				.22 .22	NO NO		114 96	
B 477X			SHLD B477 P127B-13B	 170B								
B 478	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 478A	1		SHLD B478 P15-T	 198				.25 .22	NO NO		 114	
B 478E			P15-S P127B-1A	198 170B				.22 .22	NO NO		114 96	
B 478X			SHLD B478 P127B-1B	 170B								
B 479	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 479A	1		SHLD B479 P15-P	 198				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 479E			P15-R P127B-2A	198 170B				.22 .22	NO NO		114 96	
B 479X			SHLD B479 P127B-2B	 170B								
B 480	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 480A	1		SHLD B480 P15-D	 198				.25 .22	NO NO		 114	
B 480E			P15-E P127B-3A	198 170B				.22 .22	NO NO		114 96	
B 480X			SHLD B479 P127B-3B	 170B								
B 481	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 481A	1		SHLD B481 P15-H	 198				.25 .22	NO NO		 114	
B 481E			P15-J P127B-4A	198 170B				.22 .22	NO NO		114 96	
B 481X			SHLD B481 P127B-4B	 170B								
B 482	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 482A	1		SHLD B482 P15-B	 198				.25 .22	NO NO		 114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 482E			P15-C P1278-5A	198 1708				.22 .22	NO NO		114 96	
B 482X			SHLD B482 P1278-5B	1708								
B 483	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 483A	1		SHLD B483 P15-M	198				.25 .22	NO NO		114	
B 483E			P15-N P1278-6A	198 1708				.22 .22	NO NO		114 96	
B 483X			SHLD B483 P1278-6B	1708								
B 484	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 484A	1		SHLD B484 P15-EE	198				.25 .22	NO NO		114	
B 484E			P15-FF P1278-18A	198 1708				.22 .22	NO NO		114 96	
B 484X			SHLD B484 P1278-18B	1708								
B 485	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 485A	1		SHLD B485 P15-Y*	198				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 485E			P15-Z* P1278-21A	198 1708				.22 .22	NO NO		114 96	
B 485X			SHLD B485 P1278-21B	1708								
B 486	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 486A	1		SHLD B486 P15-AA	198				.25 .22	NO NO		114	
B 486E			P15-BB P1278-24A	198 1708				.22 .22	NO NO		114 96	
B 486X			SHLD B486 P1278-24B	1708								
B 487	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 487A	1		SHLD B487 P15-CC	198				.25 .22	NO NO		114	
B 487E			P15-DD P1278-20A	198 1708				.22 .22	NO NO		114 96	
B 487X			SHLD B487 P1278-20B	1708								
B 488	118				2.25 .44	2.00 .28				8,6D	119,120 120, 97, 98	
B 488A	1		SHLD B488 P15-B*	198				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 488E			P15-A* P1288-10A	198 1678				.25 .22	NO NO		114 96	
B 488X			SHLD B488 P1288-10B	1678								
B 489	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 489A	1		SHLD B489 P15-G	198				.25 .22	NO NO		114	
B 489E			P15-F P49-26A	198 168				.28 .19	NO NO		114 132	
B 489X			SHLD B489 P49-26B	168								
B 490	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 490A	1		SHLD B490 P15-L	198				.28 .22	NO NO		114	
B 490E			P15-K P49-12A	198 168				.22 .19	NO NO		114 132	
B 490X			SHLD B490 P49-12B	168								
B 491	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 491A	1		SHLD B491 P15-J*	198				.28 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 491E			P15-K* P49-24A	198 168				.22 .19	NO NO		114 132	
B 491X			SHLD B491 P49-24B	168								
B 492	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 492A	1		SHLD B491 P15-Q*	198				.25 .28	NO NO		114	
B 492E			P15-P* P49-10A	198 168				.22 .19	NO NO		114 132	
B 492X			SHLD B492 P49-10B	168								
B 493	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 493A	1		SHLD B493 P15-M*	198				.25 .22	NO NO		114	
B 493E			P15-N* P49-11A	198 168				.22 .28	NO NO		114 132	
B 493X			SHLD B493 P49-11B	168								
B 494	118				2.25 .52	2.00 .23				8,68 A,10	119,120 92, 94,120 148	
B 494A	1		SHLD B494 P16-V	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 494E			P16-U P67-D1	199 132				.22 .11	NO NO		114 90	
B 494X			SHLD B494 P67-D2	132								
B 495	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 495A	1		SHLD B495 P16-X	199				.25 .22	NO NO			
B 495E			P16-W P69-E1	199 136				.22 .11	NO NO		114 90	
B 495X			SHLD B495 P69-E2	136								
B 496	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 496A	1		SHLD B496 P16-Z	199				.25 .22	NO NO		114	
B 496E			P16-Y P67-E1	199 132				.22 .11	NO NO		114 90	
B 496X			SHLD B496 P67-E2	132								
B 497	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 497A	1		SHLD B497 P16-B*	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 497E			P16-A* P69-F1	199 136				.22 .11	NO NO		114 90	
B 497X			SHLD B497 P69-F2	136								
B 498	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 498A	1		SHLD B498 P16-N*	199				.25 .22	NO NO		114	
B 498E			P16-M* P67-F1	199 132				.22 .11	NO NO		114 90	
B 498X			SHLD B498 P67-F2	132								
B 499	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 499A	1		SHLD B499 P16-G	199				.25 .22	NO NO		114	
B 499E			P16-F P68-A1	199 129				.22 .11	NO NO		114 90	
B 499X			SHLD B499 P68-A2	129								
B 500	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 500A	1		SHLD B500 P16-J	199				.25 .22	NO NO		114	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 500E			P16-H P70-B1	199 133				.22 .11	NO NO		114 90	
B 500X			SHLD B500 P70-B2	133								
B 501	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 501A	1		SHLD B501 P16-L	199				.25 .22	NO NO		114	
B 501E			P16-K P68-B1	199 129				.22 .11	NO NO		114 90	
B 501X			SHLD B501 P68-B2	129								
B 502	1		P16-Y* P64-EE	199 134				.22 .22	NO NO		114 115	
B 503	1		P16-AA P64-BB	199 134				.22 .22	NO NO		114 115	
B 504	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 504A	1		SHLD B504 P16-N	199				.25 .22	NO NO		114	
B 504E			P16-M P70-C1	199 133				.22 .11	NO NO		114 90	
B 504X			SHLD B504 P70-C2	133								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 505	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 505A	1		SHLD B505 P16-R	199				.25 .22	NO NO		114	
B 505E			P16-P P68-C1	199 129				.22 .11	NO NO		114 90	
B 505X			SHLD B505 P68-C2	129								
B 506	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 506A	1		SHLD B506 P16-D*	199				.25 .22	NO NO		114	
B 506E			P16-C* P68-G1	199 129				.22 .11	NO NO		114 90	
B 506X			SHLD B506 P68-G2	129								
B 507	118				2.25 .52	2.00 .23				B,6B A,10	119,120 92, 94,120 148	
B 507A	1		SHLD B507 P16-G*	199				.25 .22	NO NO		114	
B 507E			P16-F* P70-H1	199 133				.22 .11	NO NO		114 90	
B 507X			SHLD B507 P70-H2	133								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 508	118				2.25 .52	2.00 .23				8,68 A,10	119,120 92, 94,120 148	
B 508A	1		SHLD B508 P16-C	 199				.25 .22	NO NO		 114	
B 508L			P16-B P68-H1	199 129				.22 .11	NC NO		114 90	
B 508X			SHLD B508 P68-H2	 129								
B 509	118				2.25 .52	2.00 .23				8,68 A,10	119,120 92, 94,120 148	
B 509A	1		SHLD B509 P16-E	 199				.25 .22	NO NO			
B 509E			P16-D P70-J1	199 133				.22 .11	NO NO		114 90	
B 509X			SHLD B509 P70-J2	 133								
B 510	1		P16-CC P115A-23	199 78				.22 .12	NO NO		114 113	
B 511	1		P16-V P16-X	199 199				.22 .22	NO NO		 114	
B 512	1		P16-B* P16-Z	199 199				.22 .22	NO NO			
B 513	1		P16-N* P17-G	199 200				.22 .22	NO NO		 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 514	1		P16-G P16-J	199 199				.22 .22	NO NO			
B 515	1		P16-L P16-N	199 199				.22 .22	NO NO			
B 516	1		P16-R P17-K*	199 200				.22 .22	NO NO		 115	
B 517	1		P16-D* P16-G*	199 199				.22 .22	NO NO			
B 518	1		P16-C P16-E	199 199				.22 .22	NO NO		114 114	
B 519	118				2.25 .44	2.00 .28				8,68	119,120 120, 97, 98	
B 519A	1		SHLD B519 P16-S*	 199				.25 .22	NO NO		 114	
B 519E			P16-R* P128B-18A	199 167B				.22 .22	NO NO		114 96	
B 519X			SHLD B519 P128B-18B	 167B						8,6		
B 520	118				2.25 .44	2.00 .28				8	119,120 120, 97, 98	
B 520A	1		SHLD B520 P16-HH	 199				.25 .22	NO NO		 114	
B 520E			P16-GG P128B-16A	199 167B				.22 .22	NO NO		114 96	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 520X			SHLD B520 P128B-16B	 167B						8,6		
B 521	118				2.25 .52	2.00 .23				8 A,10	119,120 92, 94,120 148	
B 521A	1		SHLD B521 P17-G	 200				.25 .22	NO NO			
B 521E			P17-F P69-G1	200 136				.22 .11	NO NO		115 90	
B 521X			SHLD B521 P69-G2	 136								
B 522	118				2.25 .52	2.00 .23				8,68 A,10	119,120 92, 94,120 148	
B 522A	1		SHLD B522 P17-K*	 200				.25 .22	NO NO			
B 522E			P17-J* P70-D1	200 133				.22 .11	NO NO		115 90	
B 522X			SHLD B522 P70-D2	 133								
B 523	2		P17-A P126E-29	200 31				.22 .22	NO NO		127 138	
B 524	1		P17-Y* P130B-1	200 179B				.22 .12	NO NO		115 113	
B 525	1		P17-BB P25-AA	200 195				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 526	8				2.25 4.00	2.00 3.75				A,7 8,68	120 120,119	
B 526B	1		TB6-3 SHLD B526	237				.20 .25	NO NO		74	
B 526L			P17-V TB6-3	200 237				.22 .20	NO NO		115 74	
B 526R			P17-U TB5-7	200 233				.22 .20	NO NO		115 73	
B 527	118				2.25 .44	2.00 .28				8,68 A,10	119,120 92, 94,120	
B 527A	1		SHLD B527 P17-E	 200				.25 .22	NO NO		 115	
B 527E			P17-D P128B-19A	200 167B				.22 .22	NO NO		115	
B 527X			SHLD B527 P128B-19B	 167B								
B 528	118				2.25 .44	2.00 .28				8,68	119,120 128,131,120	
B 528A	1		SHLD B528 P17-J	 200				.25 .22	NO NO		 115	
B 528E			P17-H P49-41A	200 168				.22 .28	NO NO		115 132	
B 528X			SHLD B528 P49-41B	 168								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 529	118				2.25	2.00				B,6B	119,120	
					.44	.28					128,131,120	
B 529A	1		SHLD B529					.25	NO			
			P17-L	200				.22	NO		115	
B 529E			P17-K	200				.22	NO		115	
			P49-42A	168				.28	NO		132	
B 529X			SHLD B529									
			P49-42B	168								
B 530	118				2.25	2.00				B,6B	119,120	
					.44	.28					128,131,120	
B 530A	1		SHLD B529					.25	NO			
			P17-N	200				.22	NO		115	
B 530E			P17-M	200				.22	NO		115	
			P49-43A	168				.28	NO		132	
B 530X			SHLD B530									
			P49-43B	168								
B 531	118				2.25	2.00				B,6B	120,119	
					.44	.28					120, 97, 98	
B 531A	1		SHLD B531					.25	NO			
			P17-R	200				.22	NO		115	
B 531E			P17-P	200				.22	NO		115	
			P128B-17A	167B				.22	NO		96	
B 531X			SHLD B531									
			P128B-17B	167B								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 532	1		P17-M*	200				.22	NO		115	
			P34-PP	188				.22	NO		115	
B 533	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 533B	1		P115D-31	77				.12	NO		113	
			SHLD B533					.25	NO			
B 533L			P19-C	24				.22	NO		114	
			P115D-10	77				.12	NO		113	
B 533R			P19-B	24				.22	NO		114	
			P115D-9	77				.12	NO		113	
B 534	1		P20-BB	201				.22	NO		115	
			P99-R*	186				.22	NO		115	
B 535	1		P20-LL	201				.22	NO		115	
			P99-R	186				.22	NO		115	
B 536	1		P20-FF	201				.22	NO		115	
			P129A-3	174A				.12	NO		113	
B 537	1		P20-MM	201				.22	NO		115	
			P99-J	186				.22	NO		115	
B 538	1		P20-GG	201				.22	NO		115	
			P99-M	186				.22	NO		115	
B 539	1		P20-JJ	201				.22	NO		115	
			P130B-9	179B				.12	NO		113	
B 540	1		P20-KK	201				.22	NO		115	
			P99-W	186				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 541	3		P20-PP	201				.22	NO		115	
			P116D-32	55				.12	NO		138	
B 542	10				2.25	2.00				A,7	120	
					4.00	3.75				B,6B	120,119	
B 542B	1		P116D-32	55				.12	NO		113	
			SHLD B542					.25	NO			
B 542L			P20-Z	201				.22	NO		115	
			P116D-10	55				.12	NO		113	
B 542R			P20-Y	201				.22	NO		115	
			P116D-9	55				.12	NO		113	
B 543	3		P2C-CC	201				.22	NO		115	
			P129F-21	23F				.12	NO		113	
B 544	1		P20-A*	201				.22	NO		115	
			P34-D	188				.22	NO		115	
B 545	1		P20-X*	201				.22	NO		115	
			P129F-26	23F				.12	NO		113	
B 546	1		P20-Y*	201				.22	NO		115	
			P129F-25	23F				.12	NO		113	
B 547	1		P20-Z*	201				.22	NO		115	
			P129D-24	174D				.12	NO		113	
B 548	1		P20-AA	201				.22	NO		115	
			P129D-23	174D				.12	NO		113	
B 549	8				2.25	2.00				B,6B	120,119	
					2.25	2.00				A,7	120	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 549A	1		SHLD B549					.25	NO			
			P21-Y	202				.29	NO		127	
B 549L			P21-Y	202				.29	NO			
			P23-E	17				.22	NO		117	
B 549R			P21-X	202				.22	NO		115	
			P23-D	17				.22	NO		117	
B 550	8				2.25	2.00				B,6B	120,119	
					2.25	2.00				A,7	120	
B 550A	1		SHLD B550					.25	NO			
			P21-A*	202				.29	NO		127	
B 550L			P21-A*	202				.29	NO			
			P23-C	17				.22	NO		117	
B 550R			P21-Z	202				.22	NO		115	
			P23-B	17				.22	NO		117	
B 551	8				2.25	2.00				B,6B	120,119	
					2.25	2.00				A,7	120	
B 551A	1		SHLD B551					.25	NO			
			P21-C*	202				.29	NO		127	
B 551L			P21-C*	202				.29	NO			
			P95-E	89				.22	NO		117	
B 551R			P21-B*	202				.22	NO		115	
			P95-D	89				.20	NO		117	
B 552	8				2.25	2.00				B,6A	120,119	
					2.25	2.00				A,7	120	

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 552A	1		SHLD B552 P21-E*	 202				.25 .29	NO NO		 127	
B 552L			P21-E* P95-C	202 89				.29 .22	NO NO			
B 552R			P21-D* P95-B	202 89				.22 .20	NO NO		115 117	
B 553	7				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 553A	1		SHLD B553 E321-B	 204				.25 .25	NO NO			
B 553L			P21-B P91-U*	202 173				.22 .22	NO NO		115 115	
B 553R			P21-A P91-U	202 173				.22 .22	NO NO		115 115	
B 554	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 554B	1		P117A-32 SHLD B554	36				.12 .25	NO NO		138	
B 554L			P21-G* P117A-16	202 36				.22 .12	NO NO		115 113	
B 554R			P21-F* P117A-15	202 36				.22 .12	NO NO		115 113	
B 555	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 103 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 555B	1		P115D-18 SHLD B555	77				.12 .25	NO NO		138	
B 555L			P21-P* P115D-18	202 77				.22 .12	NO NO		115	
B 555R			P21-N* P115D-17	202 77				.22 .12	NO NO		115 113	
B 555Y			P21-Q* P117D-3	202 35				.22 .12	NO NO		115 113	
B 556	7				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 556A	1		SHLD B556 E321-B	 204				.25 .25	NO NO			
B 556L			P21-V P99-A	202 186				.22 .22	NO NO		115 115	
B 556R			P21-W P99-B	202 186				.22 .22	NO NO		115 115	
B 557	1		P21-U P129B-15	202 174B				.22 .12	NO NO		115 113	
B 558	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 558B	1		E322-B SHLD B558	177				.25 .25	NO NO			
B 558L			P21-D P129B-14	202 174B				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 104 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 558R			P21-C P129B-13	202 174B				.22 .12	NO NO		115 113	
B 559	1		P21-V* P129E-27	202 23E				.22 .12	NO NO		115 113	
B 560	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 560B	1		TB6-4 SHLD B560	238				.20 .25	NO NO		74	
B 560L			P22-S TB6-4	205 238				.22 .20	NO NO		117 74	
B 560R			P22-R TB6-8	205 242				.22 .20	NO NO		117 74	
B 561	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 561B	1		TB6-2 SHLD B561	236				.20 .25	NO NO		74	
B 561L			P22-P TB6-2	205 236				.22 .20	NO NO		117 74	
B 561R			P22-N TB5-6	205 232				.22 .20	NO NO		117 73	
B 562	142										120 120	
B 562L			P22-K TB8-9	205 207				.22 .20	NO NO		117 74	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 105 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 562R			P22-J TB7-10	205 216				.22 .20	NO NO		117 74	
B 563	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 563B	1		P115A-16 SHLD B563	78				.12 .22	NO NO			
B 563L			P22-M P115A-16	205 78				.22 .12	NO NO		117 138	
B 563R			P22-L P115A-15	205 78				.22 .12	NO NO		117 113	
B 564	2		P22-A P126F-29	205 30				.22 .22	NO NO		117 138	
B 565	2		P23-A P126E-32	17 31				.22 .22	NO NO		117 138	
B 566	2		P24-EE TB7-1	196 224				.22 .20	NO NO		127 74	
B 567	2		P24-FF TB8-1	196 215				.22 .20	NO NO		127 74	
B 568												
B 568K	1		P24-PP TB6-1	196 235				.22 .20	NO NO		115 74	
B 568L	1		P24-LL TB5-2	196 229				.22 .20	NO NO		115 73	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 106 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 568R	1		P24-NN TB5-1	196 228				.22 .20	NO NO		115 73	
B 568Y	1		P24-MM TB5-3	196 230				.22 .20	NO NO		115 73	
B 569	1		P24-Q* P37-E*	196 251				.22 .22	NO NO		115 115	
B 570	8				2.25 2.25	2.00 2.00				B,6B A,7	120,119 120	
B 570A	1		SHLD B570 TB6-3	 237				.25 .20	NO NO		 74	
B 570L			P24-HH TB6-3	196 237				.22 .20	NO NO		115 74	
B 570R			P24-GG TB5-6	196 232				.22 .20	NO NO		115 73	
B 571	1		P24-A* P130B-5	196 179B				.22 .12	NO NO		115 113	
B 572	1		P24-R P99-Q*	196 186				.22 .22	NO NO		115 115	
B 573	1		P24-P P99-W*	196 186				.22 .22	NO NO		115 115	
B 574	1		P24-D* P99-G*	196 186				.22 .22	NO NO		115 115	
B 575	1		P24-I* P36-H*	196 181				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 107 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 576	1		P24-Z* P92-V	196 183				.22 .22	NO NO		115 115	
B 577	1		P24-Y* P92-U	196 183				.22 .22	NO NO		115 115	
B 578	1		P24-X* P92-T	196 183				.22 .22	NO NO		115 115	
B 579	1		P24-BB P92-R	196 183				.22 .22	NO NO		115 115	
B 580	1		P24-AA P92-S	196 183				.22 .22	NO NO		115 115	
B 581	1		P24-W* P96-A*	196 182				.22 .22	NO NO		115 115	
B 582	1		P24-V* P96-B*	196 182				.22 .22	NO NO		115 115	
B 583	1		P24-U* P96-C*	196 182				.22 .22	NO NO		115 115	
B 584	1		P24-JJ P92-X	196 183				.22 .22	NO NO		115 115	
B 585	1		P24-B P129E-32	196 23E				.22 .12	NO NO		115 113	
B 586	2		P24-A P126F-31	196 30				.22 .22	NO NO		127 138	
B 587	7				2.25 2.25	2.00 2.00				B,6B A,7	120,119 120	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 108 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 587A	1		SHLD B587 P129E-32	 23E				.25 .12	NO NO			
B 587L			P24-K* P98-X*	196 187				.22 .22	NO NO		115 115	
B 587R			P24-J* P98-W*	196 187				.22 .22	NO NO		115 115	
B 588	1		P24-CC P114A-9	196 38				.22 .12	NO NO		115 113	
B 589	1		P24-DD P114A-10	196 38				.22 .12	NO NO		115 113	
B 590	1		P24-D P34-Y*	196 188				.22 .22	NO NO		115 115	
B 591	1		P24-C P130E-3	199 22E				.22 .12	NO NO		115 113	
B 592	1		P24-V TB4-10	196 227				.22 .20	NO NO		115 73	
B 593	1		P24-Z P129D-15	196 174D				.22 .12	NO NO		115 113	
B 594	1		P24-G* P130D-3	196 179D				.22 .12	NO NO		115 113	
B 595	1		P24-M* P37-D*	196 251				.22 .22	NO NO		115 115	
B 596	1		P24-T* P130B-7	196 179B				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 109 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 597	1		P24-KK P129A-7	196 174A				.22 .12	NO NO		115 113	
B 598	1		P25-B* P99-A*	195 186				.22 .22	NO NO		115 115	
B 599	1		P25-C* P104D-27	195 68				.22 .12	NO NO		115 113	
B 600	1		P25-D* P104D-28	195 68				.22 .12	NO NO		115 113	
B 601	1		P25-Z P34-V	195 188				.22 .22	NO NO		115 115	
B 602	3		P25-S P129A-21	195 174A				.22 .12	NO NO		115 113	
B 603	1		P25-W P90-D	195 21				.22 .20	NO YES		115	
B 604	10				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 604A	1		SHLD B604 E328-B	 175				.25 .25	NO NO			
B 604L			P25-Y P97-F	195 116				.22 .22	NO NO		115 114	
B 604R			P25-X P97-E	195 116				.22 .22	NO NO		115 114	
B 605	1		P25-T* P129A-27	195 174A				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 110 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 606	1		P25-CC P61-5	195 123				.22 .19	NO NO		115 134	
B 607	1		P25-DD P121D-29	195 72				.22 .12	NO NO		115 113	
B 608	3		P25-FF P129A-25	195 174A				.22 .12	NO NO		115 113	
B 609	3		P25-GG P129A-26	195 174A				.22 .12	NO NO		115 113	
B 610	3		P25-HH P130C-9	195 179C				.22 .12	NO NO		115 113	
B 611	3		P25-JJ P130C-10	195 179C				.22 .12	NO NO		115 113	
B 612	3		P25-KK P129A-24	195 174A				.22 .12	NO NO		115 113	
B 613	3		P25-LL P129A-23	195 174A				.22 .12	NO NO		115 113	
B 614	1		P25-MM P27-GG	195 185				.22 .22	NO NO		115 115	
B 615	140										120 120	
B 615L			P26-V P129E-20	194 23F				.22 .12	NO NO		115 113	
B 615R			P26-U P129E-19	194 23E				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 111 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 616	1		P25-BB P115D-22	195 78				.22 .12	NO NO		115 113	
B 617	118				2.25 .52	2.00 .23				B,6B A,10	120,119 92, 94	148
B 617A	1		SHLD B617 P26-S	 194				.25 .22	NO NO		 115	
B 617E			P26-R P93-F1	194 130				.22 .11	NO NO		115 90	
B 617X			SHLD B617 P93-F2	 130								
B 618	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 618B	1		P120D-31 SHLD B618	33				.22 .25	NO NO		113	
B 618L			P26-MM P120D-8	194 33				.22 .12	NO NO		115 113	
B 618R			P26-LL P120D-7	194 33				.22 .12	NO NO		115 113	
B 619	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 619B	1		P104D-31 SHLD B619	68				.12 .25	NO NO		113	
B 619L			P26-I* P104D-16	194 68				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 112 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 619R			P26-H* P104D-15	194 68				.22 .12	NO NO		115 113	
B 620	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 620B	1		P109D-31 SHLD B620	79				.12 .25	NO NO		113	
B 620L			P26-P P109D-20	194 79				.22 .12	NO NO		115 113	
B 620R			P26-N P109D-19	194 79				.22 .12	NO NO		115 113	
B 621	143				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 621A	1		SHLD B621 E313-B	 195A				.25 .25	NO NO			
B 621L			P26-B P37-KK	194 251				.22 .22	NO NO		115 115	
B 621R			P26-A P37-LL	194 251				.22 .22	NO NO		115 115	
B 621Y			P26-C P37-JJ	194 251				.22 .22	NO NO		115 115	
B 622	1		P26-BB P110A-19	194 63				.22 .12	NO NO		115 113	
B 623	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 113 OF 209

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 623B	1		E300-B SHLD B623	43				.25 .25	NO NO			
B 623L			P26-X P108A-18	194 46				.22 .12	NO NO		115 113	
B 623R			P26-W P108A-17	194 46				.22 .12	NO NO		115 113	
B 624			DELETED									
B 625	1		P26-U* P102A-1	194 50				.22 .12	NO NO		115 113	
B 626	1		P27-H* P48-R*	185 169				.22 .22	NO NO		115 115	
B 627	1		P27-I* P48-S*	185 169				.22 .22	NO NO		115 115	
B 628	1		P27-J* P48-R	185 169				.22 .22	NO NO		115 115	
B 629	1		P27-K* P48-S	185 169				.22 .22	NO NO		115 115	
B 630	1		P27-M* P48-V	185 169				.22 .22	NO NO		115 115	
B 631	1		P27-N* P48-W	185 169				.22 .22	NO NO		115 115	
B 632	1		P27-P* P48-Q*	185 169				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 114 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 633	1		P27-Q*	185				.22	NO		115	
			P48-DD	169				.22	NO		115	
B 634	1		P27-T*	185				.22	NO		115	
			P48-M*	169				.22	NO		115	
B 635	1		P27-U*	185				.22	NO		115	
			P48-P*	169				.22	NO		115	
B 636	118				2.25	2.00				B,6B	119,120	
					.44	.28					120, 97, 98	
B 636A	1		SHLD B636					.25	NO			
			P27-W*	185				.22	NO		115	
B 636E			P27-V*	185				.22	NO		115	
			P128A-19A	171				.22	NO		96	
B 636X			SHLD B636									
			P128A-19B	171								
B 637	1		P27-JJ	185				.22	NO		115	
			P130B-3	179B				.12	NO		113	
B 638	1		P27-LL	185				.22	NO		115	
			P48-HH	169				.22	NO		115	
B 639	1		P27-MM	185				.22	NO		115	
			P48-PP	169				.22	NO		115	
B 640	1		P27-NN	185				.22	NO		115	
			P130D-1	179D				.12	NO		113	
B 641	1		P27-PP	185				.22	NO		115	
			P31-LL	191				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 642	7				2.25	2.00				A,7	120	
					2.25	2.00				B,6A	120,119	
B 642B	1		E323-B	128				.25	NO			
			SHLD B642					.25	NO			
B 642L			P28-C	113				.22	NO		115	
			P65-M*	131				.22	NO		115	
B 642R			P28-B	113				.22	NO		115	
			P65-M	131				.22	NO		115	
B 643	1		P28-D	113				.22	NO		115	
			P103D-32	84				.12	NO		138	
B 644	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 644B	1		E334-B	56				.25	NO			
			SHLD B644					.25	NO			
B 644L			P29-C	111				.22	NO		115	
			P116A-26	58				.12	NO		113	
B 644R			P29-B	111				.22	NO		115	
			P116A-25	58				.12	NO		113	
B 645	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 645B	1		E334-B	56				.25	NO			
			SHLD B645					.25	NO			
B 645L			P29-G	111				.22	NO		115	
			P116A-8	58				.12	NO		113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 645R			P29-F	111				.22	NO		115	
			P116A-7	58				.12	NO		113	
B 646	7				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,119	
B 646B	1		E306-B	57				.25	NO			
			SHLD B646					.25	NO			
B 646L			P29-E	111				.22	NO		115	
			P116A-14	58				.12	NO		113	
B 646R			P29-D	111				.22	NO		115	
			P116A-13	58				.12	NO		113	
B 647	9				2.25	2.00				A,7	120	
					4.00	3.75				B,6A	120,121	
B 647B	1		TB9-9	97				.20	NO		74	
			SHLD B647					.25	NO			
B 647L			P30-E	112				.22	NO		117	
			TB9-9	97				.20	NO		74	
B 647R			P30-D	112				.22	NO		117	
			TB9-6	100				.20	NO		74	
B 648	2		P30-A	112				.22	NO		117	
			P126E-30	30				.22	NO		138	
B 649	1		P31-MM	191				.22	NO		115	
			P99-C*	186				.22	NO		115	
B 650	1		P31-NN	191				.22	NO		115	
			P99-H*	186				.22	NO		115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 651	1		P31-V*	191				.22	NO		115	
			P99-D*	186				.22	NO		115	
B 652	1		P31-W*	191				.22	NO		115	
			P99-J*	186				.22	NO		115	
B 653	1		P31-HH	191				.22	NO		115	
			P99-E*	186				.22	NO		115	
B 654	1		P31-JJ	191				.22	NO		115	
			P99-I*	186				.22	NO		115	
B 655	1		P31-BB	191				.22	NO		115	
			P98-K	187				.22	NO		115	
B 656	3		P31-X*	191				.22	NO		115	
			P99-DD	186				.22	NO		115	
B 657	1		P31-Q*	191				.22	NO		115	
			P98-B	187				.22	NO		115	
B 658	1		P31-D	191				.22	NO		115	
			P98-A	187				.22	NO		115	
B 659	1		P31-J*	191				.22	NO		115	
			P34-W*	188				.22	NO		115	
B 660	1		P31-H*	191				.22	NO		115	
			P34-P*	188				.22	NO		115	
B 661	1		P31-G*	191				.22	NO		115	
			P34-T*	188				.22	NO		115	
B 662	1		P31-A	191				.22	NO		115	
			P98-E*	187				.22	NO		115	

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 663	1		P31-B* P98-F*	191 187				.22 .22	NO NO		115 115	
B 664	1		P31-A* P34-R*	191 188				.22 .22	NO NO		115 115	
B 665	1		P31-Z P34-U*	191 188				.22 .22	NO NO		115 115	
B 666	1		P31-Y P98-D*	191 187				.22 .22	NO NO		115 115	
B 667	1		P31-J P34-X*	191 188				.22 .22	NO NO		115 115	
B 668	1		P31-T P98-M	191 187				.22 .22	NO NO		115 115	
B 669	1		P31-S P98-Y	191 187				.22 .22	NO NO		115 115	
B 670	1		P31-L P98-X	191 187				.22 .22	NO NO		115 115	
B 671	1		P31-B P98-Z	191 187				.22 .22	NO NO		115 115	
B 672	1		P31-W P98-B*	191 187				.22 .22	NO NO		115 115	
B 673	1		P31-V P98-A*	191 187				.22 .22	NO NO		115 115	
B 674	1		P31-P* P130F-1	191 22F				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 119 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 675	1		P31-GG P36-V	191 181				.22 .22	NO NO		115 115	
B 676	1		P31-DD P92-D*	191 183				.22 .22	NO NO		115 115	
B 677	1		P31-KK P92-E*	191 183				.22 .22	NO NO		115 115	
B 678	1		P31-E P92-C*	191 183				.22 .22	NO NO		115 115	
B 679	1		P31-PP P92-J*	191 183				.22 .22	NO NO		115 115	
B 680	3		P31-M E301-B	191 39				.22 .25	NO NO		115	
B 681	1		P31-P P98-G	191 187				.22 .22	NO NO		115 115	
B 682	1		P31-R P98-C*	191 187				.22 .22	NO NO		115 115	
B 683	1		P31-U P98-H	191 187				.22 .22	NO NO		115 115	
B 684	1		P31-X P98-N	191 187				.22 .22	NO NO		115 115	
B 685	1		P31-C* P98-J	191 187				.22 .22	NO NO		115 115	
B 686	1		P31-D* P121A-23	191 74				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 120 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 687	1		P31-E* P129E-24	191 23E				.22 .12	NO NO		115 113	
B 688	10				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 688B	1		E329-B SHLD B688	44				.25 .25	NO NO			
B 688L			P32-A* P108A-24	190 46				.22 .12	NO NO		115 113	
B 688R			P32-A P108A-23	190 46				.22 .12	NO NO		115 113	
B 689	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 689B	1		E324-B SHLD B689	180				.25 .25	NO NO			
B 689L			P32-P P36-V*	190 181				.22 .22	NO NO		115 115	
B 689R			P32-R P36-S*	190 181				.22 .22	NO NO		115 115	
B 690	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 690B	1		E324-B SHLD B690	180				.25 .25	NO NO			
B 690L			P32-DD P36-U*	190 181				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 121 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 690R			P32-EE P36-R*	190 181				.22 .22	NO NO		115 115	
B 691	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 691B	1		E324-B SHLD B691	180				.25 .25	NO NO			
B 691L			P32-V* P36-T*	190 181				.22 .22	NO NO		115 115	
B 691R			P32-U* P36-P*	190 181				.22 .22	NO NO		115 115	
B 692	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 692B	3		E325-B SHLD B692	67				.25 .25	NO NO			
B 692L			P32-R* P107A-17	190 65				.22 .12	NO NO		115 113	
B 692R			P32-Q* P107A-19	190 65				.22 .12	NO NO		115 113	
B 693	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 693B	3		E325-B SHLD B693	67				.25 .25	NO NO			
B 693L			P32-P* P107A-11	190 65				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.		
A	99974	2900542	
SCALE-NONE	REV LTR	L	SHEET 122 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 693R			P32-N* P107A-13	190 65				.22 .12	NO NO		115 113	
B 694	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 694B	3		E325-B SHLD B694	67				.25 .25	NO NO			
B 694L			P32-T P107A-10	190 65				.22 .12	NO NO		115 113	
B 694R			P32-S P107A-9	190 65				.22 .12	NO NO		115 113	
B 695	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 695B	3		E325-B SHLD B695	67				.25 .22	NO NO			
B 695L			P32-V P107A-16	190 65				.22 .12	NO NO		115 113	
B 695R			P32-U P107A-15	190 65				.22 .12	NO NO		115 113	
B 696	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 696B	3		E325-B SHLD B696	67				.25 .25	NO NO			
B 696L			P32-T* P107A-23	190 65				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 123 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 696R			P32-S* P107A-25	190 65				.22 .12	NO NO		115 113	
B 697	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 697B	3		E325-B SHLD B697	67				.25 .25	NO NO			
B 697L			P32-X P107A-22	190 65				.22 .12	NO NO		115 113	
B 697R			P32-W P107A-21	190 65				.22 .12	NO NO		115 113	
B 698	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 698B	1		E330-B SHLD B698	76				.25 .22	NO NO			
B 698L			P32-MM P118A-10	190 75				.22 .12	NO NO		115 113	
B 698R			P32-PP P118A-9	190 75				.22 .12	NO NO		115 113	
B 699	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 699B	1		E330-B SHLD B699	76				.25 .25	NO NO			
B 699L			P32-FF P118A-18	190 75				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 124 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 699R			P32-NN P118A-17	190 75				.22 .12	NO NO		115 113	
B 700	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 700B	1		E330-B SHLD B700	76				.25 .25	NO NO			
B 700L			P32-Z P118A-16	190 75				.22 .12	NO NO		115 113	
B 700R			P32-Y P118A-15	190 75				.22 .12	NO NO		115 113	
B 701	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 701B	1		E326-B SHLD B701	66				.25 .25	NO NO			
B 701L			P32-C* P107A-30	190 65				.22 .12	NO NO		115 113	
B 701R			P32-C P107A-29	190 65				.22 .12	NO NO		115 113	
B 702	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 702B	1		E302-B SHLD B702	40				.25 .25	NO NO			
B 702L			P32-F* P108D-20	190 45				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 125 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 702R			P32-F P108D-19	190 45				.22 .12	NO NO		115 113	
B 703	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 703B	1		E329-B SHLD B703	44				.25 .25	NO NO			
B 703L			P32-H* P108A-6	190 46				.22 .12	NO NO		115 113	
B 703R			P32-H P108A-5	190 46				.22 .12	NO NO		115 113	
B 704	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 704B	1		E302-B SHLD B704	40				.25 .25	NO NO			
B 704L			P32-M* P108D-8	190 45				.22 .12	NO NO		115 113	
B 704R			P32-M P108D-7	190 45				.22 .12	NO NO		115 113	
B 705	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 705B	1		E329-B SHLD B705	44				.25 .25	NO NO			
B 705L			P32-B P108A-28	190 46				.22 .12	NO NO		115 113	

SIZE A	CODE IDENT NO. 99974	2900542
SCALE-NONE	REV LTR L	SHEET 126 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 705R			P32-B* P108A-27	190 40				.22 .12	NO NO		115 113	
B 706	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 706B	1		E326-B SHLD B706	66				.25 .12	NO NO			
B 706L			P32-D* P107A-28	190 65				.22 .12	NO NO		115 113	
B 706R			P32-D P107A-27	190 65				.22 .12	NO NO		115 113	
B 707	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 707B	1		E329-B SHLD B707	44				.25 .25	NO NO			
B 707L			P32-G* P108A-21	190 46				.22 .12	NO NO		115 113	
B 707R			P32-G P108A-22	190 46				.22 .12	NO NO		115 113	
B 709	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 709B	1		E329-B SHLD B709	44				.25 .25	NO NO			
B 709L			P32-J* P108A-4	190 46				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 127 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 709R			P32-J P108A-3	190 46				.22 .12	NO NO		115 113	
B 711	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 711B	1		P105A-32 SHLD B711	48				.12 .25	NO NO		113 113	
B 711L			P32-Z* P105A-28	190 48				.22 .12	NO NO		115 113	
B 711R			P32-Y* P105A-27	190 48				.22 .12	NO NO		115 113	
B 712L			DELETED									
B 713	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 713B	1		E302-B SHLD B713	40				.25 .25	NO NO			
B 713L			P32-AA P108D-14	190 45				.22 .12	NO NO		115 113	
B 713R			P32-BB P108D-13	190 45				.22 .12	NO NO		115 113	
B 714	2		P33-E TB8-3	189 213				.22 .20	NO NO		127 74	
B 715	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 128 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 715B	1		E329-B SHLD B715	44				.25 .25	NO NO			
B 715L			P32-LL P108A-10	190 46				.22 .12	NO NO		115 113	
B 715R			P32-KK P108A-9	190 46				.22 .12	NO NO		115 113	
B 716	2		P33-D TB7-4	189 222				.22 .20	NO NO		127 74	
B 717	3		P33-B TB1-2	189 165				.22 .20	NO NO		115 73	
B 718	3		P33-X TB2-2	189 156				.22 .20	NO NO		115 74	
B 719	2		P33-A P126F-26	189 30				.22 .22	NO NO		127 138	
B 720	3		P33-C TB3-2	189 154				.22 .20	NO NO		115 73	
B 721	143				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 721B	1		P115A-18 SHLD B721	78				.12 .25	NO NO			
B 721L			P33-J P115A-18	189 78				.22 .12	NO NO		115 138	
B 721R			P33-H P115A-17	189 78				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 129 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 721Y			P33-G P117A-3	189 36				.22 .12	NO NO		115 113	
B 722	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 722B	1		P129A-32 SHLD B722	174A				.12 .22	NO NO			
B 722L			P33-L P129A-20	189 174A				.22 .12	NO NO		115 113	
B 722R			P33-K P129A-19	189 174A				.22 .12	NO NO		115 113	
B 723	1		P33-M P34-Z*	189 188				.22 .22	NO NO		115 115	
B 724	1		P33-N P34-AA	189 188				.22 .22	NO NO		115 115	
B 725	1		P33-P P34-BB	189 188				.22 .22	NO NO		115 115	
B 726	1		P33-S P129A-15	189 174A				.22 .12	NO NO		115 113	
B 727	1		P33-F P129A-5	189 174A				.22 .12	NO NO		115 113	
B 728	1		P33-Y P130A-3	189 179A				.22 .12	NO NO		115 113	
B 729	1		P33-A* P129A-29	189 174A				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 130 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 730	1		P33-U* P129A-30	189 174A				.22 .12	NO NO		115 113	
B 731	1		P34-U TB5-3	188 230				.22 .20	NO NO		115 73	
B 732	2		P34-W TB7-3	188 223				.22 .20	NO NO		127 74	
B 733	2		P34-X TB8-2	188 214				.22 .20	NO NO		127 74	
B 734	1		P34-J* P36-M	188 181				.22 .22	NO NO		115 115	
B 735	1		P34-H* P36-W	188 181				.22 .22	NO NO		115 115	
B 736	2		P34-A P126F-25	188 30				.22 .22	NO NO		127 138	
B 737	1		P34-B* P129A-11	188 174A				.22 .12	NO NO		115 113	
B 738	1		P34-C* P129A-12	188 174A				.22 .12	NO NO		115 113	
B 739	1		P34-M P129B-5	188 174B				.22 .12	NO NO		115 113	
B 740	3		P34-P P129B-21	188 174B				.22 .12	NO NO		115 113	
B 741	1		P34-Y TB4-9	188 226				.22 .20	NO NO		115 73	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 131 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 742	1		P34-Z P90-C	188 21				.22 .20	NO YES		115	
B 743	1		P34-I* P96-LL	188 182				.22 .22	NO NO		115 115	
B 744	1		P34-M* P120D-2	188 33				.22 .12	NO NO		115 113	
B 745	1		P34-CC P65-KK	188 131				.22 .22	NO NO		115 115	
B 746	1		P34-DD P65-LL	188 131				.22 .22	NO NO		115 115	
B 747	1		P34-EE P65-JJ	188 131				.22 .22	NO NO		115 115	
B 748	1		P34-FF P65-FF	188 131				.22 .22	NO NO		115 115	
B 749	1		P34-GG P65-GG	188 131				.22 .22	NO NO		115 115	
B 750	1		P34-HH P65-HH	188 131				.22 .22	NO NO		115 115	
B 751	1		P34-K P129A-17	188 174A				.22 .12	NO NO		115 113	
B 752	1		P34-F P130C-3	188 179C				.22 .12	NO NO		115 113	
B 753	1		P34-J P121A-25	188 74				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 132 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 754	1		P34-N P130C-5	188 179C				.22 .12	NO NO		115 113	
B 755	3		P34-A* P129B-27	188 174B				.22 .12	NO NO		115 113	
B 756	1		P34-D* P130A-5	188 179A				.22 .12	NO NO		115 113	
B 757	1		P34-KK P130D-10	188 179D				.22 .12	NO NO		115 113	
B 758	1		P34-LL P130D-9	188 179D				.22 .12	NO NO		115 113	
B 759	1		P34-MM P129B-25	188 174B				.22 .12	NO NO		115 113	
B 760	1		P34-NN P129B-26	188 174B				.22 .13	NO NO		115 113	
B 761	2		P35-A P126F-24	184 30				.22 .22	NO NO		127 138	
B 762	8				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 762B	1		F331-B SHLD B762	69				.25 .25	NO NO			
B 762L			P35-Y P104A-16	184 70				.22 .12	NO NO		115 113	
B 762R			P35-Z P104A-15	184 70				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 133 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 763	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 763B	1		SHLD B763 P103A-31	 85				.25 .12	NO NO		 113	
B 763L			P35-E* P103A-28	184 85				.22 .12	NO NO		115 113	
B 763R			P35-F* P103A-27	184 85				.22 .12	NO NO		115 113	
B 764	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 764B	1		E312-B SHLD B764	178				.25 .25	NO NO			
B 764L			P35-V P129A-14	184 174A				.22 .12	NO NO		115 113	
B 764R			P35-U P129A-13	184 174A				.22 .12	NO NO		115 113	
B 765	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 765B	1		E322-B SHLD B765	177				.25 .25	NO NO			
B 765L			P35-R P129B-20	184 174B				.22 .12	NO NO		115 113	
B 765R			P35-P P129B-19	184 174B				.22 .12	NO NO		115 113	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 134 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 766	1		P35-AA P110D-1	184 60				.22 .12	NO NO		115 113	
B 767	1		P35-M P62-51	184 125				.22 .19	NO NO		115 134	
B 768	1		P35-N P62-34	184 125				.22 .19	NO NO		115 134	
B 769	1		P35-Q* P114A-11	184 38				.22 .12	NO NO		115 113	
B 770	1		P35-J* P129B-24	184 174B				.22 .12	NO NO		115 113	
B 771	1		P35-K* P129B-23	184 174B				.22 .12	NO NO		115 113	
B 772	1		P35-M* P121D-25	184 72				.22 .12	NO NO		115 113	
B 775	1		P35-R* P114A-12	184 38				.22 .12	NO NO		115 113	
B 776	1		P36-P P98-L	181 187				.22 .22	NO NO		115 115	
B 777	1		P36-S P129D-5	181 174D				.22 .12	NO NO		115 113	
B 778	1		P36-U P98-V*	181 187				.22 .22	NO NO		115 115	
B 779	2		P36-T TB7-5	181 221				.22 .20	NO NO		115 74	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 780	1		P36-PP P106A-27	181 83				.22 .12	NO NO		115 113	
B 781	1		P36-NN P107D-3	181 64				.22 .12	NO NO		115 113	
B 782	1		P36-FF P110A-11	181 63				.22 .12	NO NO		115 113	
B 783	1		P36-KK P110A-17	181 63				.22 .12	NO NO		115 113	
B 784	1		P36-HH P110A-15	181 63				.22 .12	NO NO		115 113	
B 785	1		P36-D* P120D-13	181 33				.22 .12	NO NO		115 113	
B 786	1		P36-F* P120D-9	181 33				.22 .12	NO NO		115 113	
B 787	1		P36-B* P120D-14	181 33				.22 .12	NO NO		115 113	
B 788	1		P36-M* P98-T*	181 187				.22 .22	NO NO		115 115	
B 789	1		P36-I* P120D-10	181 33				.22 .12	NO NO		115 113	
B 790			DELETED									
B 791	1		P36-Z* P130A-7	181 179A				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 792	8				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 792B	1		TB6-2 SHLD B792	236				.20 .25	NO NO		74	
B 792L			P37-F* TB6-2	251 236				.22 .20	NO NO		115 74	
B 792R			P37-G* TB5-8	251 234				.22 .20	NO NO		115 73	
B 793	2		P37-GG TB8-8	251 246				.22 .20	NO NO		127 74	
B 794	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 794B	1		P103D-32 SHLD B794	84				.12 .25	NO NO			
B 794L			P37-X P103D-26	251 84				.22 .12	NO NO		115 113	
B 794R			P37-Y P103D-25	251 84				.22 .12	NO NO		115 113	
B 795	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 795B	1		P120D-32 SHLD B795	33				.12 .22	NO NO		138	
B 795L			P37-V P120D-16	251 33				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 795R			P37-U P120D-15	251 33				.22 .12	NO NO		115 113	
B 797	10				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 797B	1		P120D-32 SHLD B797	33				.12 .25	NO NO			
B 797L			P37-T P120D-18	251 33				.22 .12	NO NO		115 113	
B 797R			P37-S P120D-17	251 33				.22 .12	NO NO		115 113	
B 799	1		P37-FF P99-HH	251 186				.22 .22	NO NO		115 115	
B 800	1		P37-N P120D-3	251 33				.22 .12	NO NO		115 113	
B 801	1		P37-P P120D-4	251 33				.22 .12	NO NO		115 113	
B 802	1		P37-W P129E-15	251 23E				.22 .12	NO NO		115 113	
B 803	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 803A	1		SHLD B803 E338-B	 8				.25 .25	NO NO			
B 803L			J19-S* P37-G	7 251				.22 .22	NO NO		126 127	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 803R			J19-A P37-J	7 251				.22 .22	NO NO		126 127	
B 805	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 805A	1		SHLD B805 E338-B	 8				.25 .25	NO NO			
B 805L			J19-T* P37-H	7 251				.22 .22	NO NO		126 127	
B 805R			J19-B P37-F	7 251				.22 .22	NO NO		126 127	
B 807	3		P37-B* P129E-21	251 23E				.22 .12	NO NO		115 113	
B 808	1		P37-EE P130F-5	251 22F				.22 .12	NO NO		115 113	
B 809	9				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,121	
B 809B	1		TB9-10 SHLD B809	96				.20 .25	NO NO		74	
B 809L			P38-F TB9-10	104 96				.22 .20	NO NO		117 74	
B 809R			P38-D TB9-7	104 99				.22 .20	NO NO		117 74	
B 810	2		P38-A P126E-27	104 31				.22 .22	NO NO		117 138	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 811	3		P38-F P63-X*	104 137				.22 .22	NO NO		117 115	
B 812	3		P38-G P63-Y*	104 137				.22 .22	NO NO		117 115	
B 813	3		P38-H P63-W*	104 137				.22 .22	NO NO		117 115	
B 814	1		P38-C TB9-2	104 102				.22 .20	NO NO		117 74	
B 815	1		P39-A P64-B	105 134				.22 .22	NO NO		115 115	
B 816	1		P39-B P64-C	105 134				.22 .22	NO NO		115 115	
B 817	1		P39-S P64-U	105 134				.22 .22	NO NO		115 115	
B 818	1		P39-T P64-V	105 134				.22 .22	NO NO		115 115	
B 819	1		P39-C P64-N	105 134				.22 .22	NO NO		115 115	
B 820	1		P39-D P64-D	105 134				.22 .22	NO NO		115 115	
B 821	1		P39-E P64-E	105 134				.22 .22	NO NO		115 115	
B 822	1		P39-F P64-F	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 823	1		P39-G P64-G	105 134				.22 .22	NO NO		115 115	
B 824	1		P39-H P64-H	105 134				.22 .22	NO NO		115 115	
B 825	1		P39-J P64-J	105 134				.22 .22	NO NO		115 115	
B 826	1		P39-K P64-K	105 134				.22 .22	NO NO		115 115	
B 827	1		P39-L P64-L	105 134				.22 .22	NO NO		115 115	
B 828	1		P39-M P64-M	105 134				.22 .22	NO NO		115 115	
B 829	1		P39-N P64-P	105 134				.22 .22	NO NO		115 115	
B 830	1		P39-P P64-W	105 134				.22 .22	NO NO		115 115	
B 831	1		P39-R P64-X	105 134				.22 .22	NO NO		115 115	
B 832	1		P39-U P64-H*	105 134				.22 .22	NO NO		115 115	
B 833	1		P39-V P64-Y	105 134				.22 .22	NO NO		115 115	
B 834	1		P39-W P64-Z	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 835	1		P39-X P64-A*	105 134				.22 .22	NO NO		115 115	
B 836	1		P39-Y P64-B*	105 134				.22 .22	NO NO		115 115	
B 837	1		P39-Z P64-C*	105 134				.22 .22	NO NO		115 115	
B 838	1		P39-A* P64-D*	105 134				.22 .22	NO NO		115 115	
B 839	1		P39-B* P64-E*	105 134				.22 .22	NO NO		115 115	
B 840	1		P39-C* P64-F*	105 134				.22 .22	NO NO		115 115	
B 841	1		P39-D* P64-G*	105 134				.22 .22	NO NO		115 115	
B 842	1		P39-F* P64-I*	105 134				.22 .22	NO NO		115 115	
B 843	1		P39-F* P64-U*	105 134				.22 .22	NO NO		115 115	
B 844	1		P39-G* P64-T*	105 134				.22 .22	NO NO		115 115	
B 845	1		P39-H* P64-S*	105 134				.22 .22	NO NO		115 115	
B 846	1		P39-I* P64-R*	105 134				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 847	1		P39-J*	105				.22	NO		115	
			P64-Q*	134				.22	NO		115	
B 848	1		P39-K*	105				.22	NO		115	
			P64-P*	134				.22	NO		115	
B 849	1		P39-M*	105				.22	NO		115	
			P64-N*	134				.22	NO		115	
B 850	1		P39-N*	105				.22	NO		115	
			P64-M*	134				.22	NO		115	
B 851	1		P39-R*	105				.22	NO		115	
			P116D-20	55				.12	NO		113	
B 852	1		P40-N	106				.22	NO		115	
			P65-AA	131				.22	NO		115	
B 853	1		P40-P	106				.22	NO		115	
			P65-BB	131				.22	NO		115	
B 854	1		P40-S	106				.22	NO		115	
			P63-A*	131				.22	NO		115	
B 855	1		P40-T	106				.22	NO		115	
			P63-B*	131				.22	NO		115	
B 856	1		P40-U	106				.22	NO		115	
			P63-C*	137				.22	NO		115	
B 857	1		P40-V	106				.22	NO		115	
			P63-D*	137				.22	NO		115	
B 858	1		P40-W	106				.22	NO		115	
			P63-E*	137				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 143 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 859	1		P40-X	106				.22	NO		115	
			P63-F*	137				.22	NO		115	
B 860	1		P40-Y	106				.22	NO		115	
			P63-G*	137				.22	NO		115	
B 861	1		P40-Z	106				.22	NO		115	
			P63-H*	137				.22	NO		115	
B 862	1		P40-A*	106				.22	NO		115	
			P63-I*	137				.22	NO		115	
B 863	1		P40-C*	106				.22	NO		115	
			P63-Z	137				.22	NO		115	
B 864	1		P40-D*	106				.22	NO		115	
			P63-Y	137				.22	NO		115	
B 865	1		P40-E*	106				.22	NO		115	
			P63-X	137				.22	NO		115	
B 866	1		P40-F*	106				.22	NO		115	
			P63-W	137				.22	NO		115	
B 867	1		P40-G*	106				.22	NO		115	
			P63-V	137				.22	NO		115	
B 868	1		P40-H*	106				.22	NO		115	
			P63-U	137				.22	NO		115	
B 869	1		P40-I*	106				.22	NO		115	
			P63-T	137				.22	NO		115	
B 870	1		P40-J*	106				.22	NO		115	
			P63-S	137				.22	NO		115	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 144 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 871	1		P40-K*	106				.22	NO		115	
			P63-R	137				.22	NO		115	
B 872	1		P40-M*	106				.22	NO		115	
			P65-CC	131				.22	NO		115	
B 873	1		P40-T*	106				.22	NO		115	
			P64-R	134				.22	NO		115	
B 874	1		P40-B*	106				.22	NO		115	
			P47-J*	115				.22	NO		114	
B 875	1		P40-U*	106				.22	NO		115	
			P47-N*	115				.22	NO		114	
B 876	1		P40-V*	106				.22	NO		115	
			P47-F*	115				.22	NO		114	
B 877	1		P40-W*	106				.22	NO		115	
			P47-G*	115				.22	NO		114	
B 878	1		P40-X*	106				.22	NO		115	
			P47-K*	115				.22	NO		114	
B 879	1		P40-Y*	106				.22	NO		115	
			P47-W	115				.22	NO		114	
B 880	1		P40-Z*	106				.22	NO		115	
			P47-X	115				.22	NO		114	
B 881	1		P40-AA	106				.22	NO		115	
			P47-Z	115				.22	NO		114	
B 882	1		P40-BB	106				.22	NO		115	
			P47-A*	115				.22	NO		114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 145 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 883	1		P40-CC	106				.22	NO		115	
			P47-M	115				.22	NO		114	
B 884	1		P40-DD	106				.22	NO		115	
			P47-P	115				.22	NO		114	
B 885	1		P40-EE	106				.22	NO		115	
			P47-S	115				.22	NO		114	
B 886	1		P40-FF	106				.22	NO		115	
			P47-V	115				.22	NO		114	
B 887	1		P40-GG	106				.22	NO		115	
			P47-H	115				.22	NO		114	
B 888	1		P40-HH	106				.22	NO		115	
			P47-J	115				.22	NO		114	
B 889	1		P40-JJ	106				.22	NO		115	
			P47-K	115				.22	NO		114	
B 890	1		P40-KK	106				.22	NO		115	
			P47-L	115				.22	NO		114	
B 891	1		P40-LL	106				.22	NO		115	
			P47-B	115				.22	NO		114	
B 892	1		P40-MM	106				.22	NO		115	
			P47-C	115				.22	NO		114	
B 893	1		P40-NN	106				.22	NO		115	
			P47-D	115				.22	NO		114	
B 894	1		P40-PP	106				.22	NO		115	
			P47-F	115				.22	NO		114	

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 146 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 895	1		P40-N* P47-B*	106 115				.22 .22	NO NO		115 114	
B 896	1		P40-P* P47-C*	106 115				.22 .22	NO NO		115 114	
B 897	1		P40-Q* P47-D*	106 115				.22 .22	NO NO		115 114	
B 898	1		P40-R* P47-E*	106 115				.22 .22	NO NO		115 114	
B 899	1		P40-S* P47-M*	106 115				.22 .22	NO NO		115 114	
B 900	1		P41-A P116D-19	107 55				.22 .12	NO NO		115 113	
B 901	7				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120	
B 901A	1		SHLD B901 E323-B	 128				.25 .25	NO NO			
B 901L			P46-C P65-K*	117 131				.22 .22	NO NO		115 115	
B 901R			P46-B P65-K	117 131				.22 .22	NO NO		115 115	
B 902	1		P47-U P63-AA	115 137				.22 .22	NO NO		114 115	
B 903	1		P47-Y P63-Z*	115 137				.22 .22	NO NO		114 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 904	1		P47-T P63-BB	115 137				.22 .22	NO NO		114 115	
B 905	2		P48-A P126E-23	169 31				.22 .22	NO NO		127 138	
B 906	1		P48-P P129D-27	169 174D				.22 .12	NO NO		115 113	
B 907	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 907B	1		E326-B SHLD B907	66				.25 .25	NO NO			
B 907L			P48-U P107A-2	169 65				.22 .12	NO NO		115 113	
B 907R			P48-T P107A-1	169 65				.22 .12	NO NO		115 113	
B 908	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 908B	1		E337-B SHLD B908	82				.25 .25	NO NO			
B 908L			P48-Y P106A-26	169 83				.22 .12	NO NO		115 113	
B 908R			P48-X P106A-25	169 83				.22 .12	NO NO		115 113	
B 909	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 909B	1		E337-B SHLD B909	82				.25 .25	NO NO			
B 909L			P48-U* P106A-14	169 83				.22 .12	NO NO		115 113	
B 909R			P48-T* P106A-13	169 83				.22 .12	NO NO		115 113	
B 910	2		P48-CC TB8-6	169 210				.22 .20	NO NO		127 74	
B 911	137										120 120	
B 911L			P48-FF TB2-3	169 157				.22 .20	NO NO		115 74	
B 911R			P48-GG TB1-3	169 163				.22 .20	NO NO		115 73	
B 911Y			P48-EE TB3-3	169 152				.22 .20	NO NO		115 73	
B 912	1		P48-MM P121A-28	169 74				.22 .12	NO NO		115 113	
B 913	1		P48-NN P121A-27	169 74				.22 .12	NO NO		115 113	
B 914	2		P48-B E326-B	169 66				.22 .25	NO NO		127	
B 915	118				.44 .52	.28 .23				 A,10	128,131,120 92, 94,120	 148

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 915E			P49-4A P94-E1	168 127				.28 .11	NO NO		132 90	
B 915X			P49-4B P94-E2	168 127								
B 916	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 916E			P49-1A P128C-18A	168 167C				.28 .22	NO NO		132 96	
B 916X			P49-1B P128C-18B	168 167C								
B 917	118				.44 .52	.28 .23				 A,10	128,131,120 92, 94,120	 148
B 917E			P49-21A P69-D1	168 136				.28 .11	NO NO		132 90	
B 917X			P49-21B P69-D2	168 136								
B 918	118				.44 .52	.28 .23				 A,10	128,131,120 92, 94,120	 148
B 918E			P49-22A P69-B1	168 136				.28 .11	NO NO		132 90	
B 918X			P49-22B P69-B2	168 136								
B 919	118				.44 .52	.28 .23				 A,10	128,131,120 92, 94,120	 148

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 935	2		P59-A P126E-26	138 31				.22 .22	NO NO		117 138	
B 936	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 936E			P60-18A P128C-10A	122 167C				.28 .22	NO NO		132 96	
B 936X			P60-18B P128C-10B	122 167C								
B 937	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 937E			P60-19A P128C-12A	122 167C				.28 .22	NO NO		132 96	
B 937X			P60-19B P128C-12B	122 167C								
B 938	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 938E			P60-16A P128C-13A	122 167C				.28 .22	NO NO		132 96	
B 938X			P60-16B P128C-13B	122 167C								
B 939	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 939E			P60-17A P128C-11A	122 167C				.28 .22	NO NO		132 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 155 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 939X			P60-17B P128C-11B	122 167C								
B 940	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 940E			P60-22A P127C-19A	122 166				.28 .22	NO NO		132 96	
B 940X			P60-22B P127C-19B	122 166								
B 941	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 941E			P60-23A P127C-21A	122 166				.28 .22	NO NO		132 96	
B 941X			P60-23B P127C-21B	122 166								
B 942	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 942E			P60-24A P127C-24A	122 166				.28 .22	NO NO		132 96	
B 942X			P60-24B P127C-24B	122 166								
B 943	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 943E			P60-25A P127C-20A	122 166				.28 .22	NO NO		132 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 156 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 943X			P60-25B P127C-20B	122 166								
B 944	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 944E			P60-35A P128C-8A	122 167C				.28 .22	NO NO		132 96	
B 944X			P60-35B P128C-8B	122 167C								
B 945	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 945E			P60-37A P128C-9A	122 167C				.28 .22	NO NO		132 96	
B 945X			P60-37B P128C-9B	122 167C								
B 946	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 946E			P60-11A P127C-14A	122 166				.28 .22	NO NO		132 96	
B 946X			P60-11B P127C-14B	122 166								
B 947	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 947E			P60-12A P127C-12A	122 166				.28 .22	NO NO		132 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 157 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 947X			P60-12B P127C-12B	122 166								
B 948	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 948E			P60-20A P127C-17A	122 166				.28 .22	NO NO		132 96	
B 948X			P60-20B P127C-17B	122 166								
B 949	118				.44 .44	.58 .28					128,131,120 120, 97, 98	
B 949E			P60-21A P127C-18A	122 166				.28 .22	NO NO		132 96	
B 949X			P60-21B P127C-18B	122 166								
B 950	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 950E			P60-7A P127C-9A	122 166				.28 .22	NO NO		132 96	
B 950X			P60-7B P127C-9B	122 166								
B 951	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 951E			P60-8A P127C-10A	122 166				.28 .22	NO NO		132 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 158 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 951X			P60-8B P127C-10B	122 166								
B 952	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 952E			P60-9A P127C-11A	122 166				.28 .22	NO NO		132 96	
B 952X			P60-9B P127C-11B	122 166								
B 953	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 953E			P60-10A P127C-13A	122 166				.28 .22	NO NO		132 96	
B 953X			P60-10B P127C-13B	122 166								
B 954	118				.44 2.25	.28 2.00				B,6B	128,131,120 119,120	
B 954B	1		P65-B* SHLD B954	131				.22 .25	NO NO		115	
B 954E			P60-41A P65-B	122 131				.28 .22	NO NO		132 115	
B 954X			P60-41B SHLD B954	122								
B 955	7				2.25 2.25	2.00 2.00				A,7 B,6A	120,128,131 120,119	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 159 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 955B	1		E323-B SHLD B955	128				.25 .25	NO NO			
B 955L			P60-2B P65-U*	122 131			.32	.22 .22	NO NO		115	
B 955R			P60-2A P65-U	122 131				.19 .22	NO NO		132,100,101 115	
B 956	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 956B	1		E323-B SHLD B956	128				.25 .25	NO NO			
B 956L			P60-14 P65-R*	122 131				.19 .22	NO NO		134 115	
B 956R			P60-13 P65-R	122 131				.19 .22	NO NO		134 115	
B 957	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 957B	1		E323-B SHLD B957	128				.25 .25	NO NO			
B 957L			P60-28 P65-S*	122 131				.19 .22	NO NO		134 115	
B 957R			P60-27 P65-S	122 131				.19 .22	NO NO		134 115	
B 958	7				2.25 2.25	2.00 2.00				A,7 B,6A	120,128,131 119,120	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 160 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 958B	1		E323-B SHLD B958	128				.25 .25	NO NO			
B 958L			P60-40B P65-T*	122 131			.32	.22 .22	NO NO		115	
B 958R			P60-40A P65-T	122 131				.19 .22	NO NO		132,100,101 115	
B 959	1		P60-29 P115A-1	122 78				.19 .12	NO NO		134 113	
B 960	1		P60-30 P114A-19	122 38				.19 .12	NO NO		134 113	
B 961	1		P60-31 P121A-10	122 74				.19 .12	NO NO		134 113	
B 962	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 962E			P60-26A P128C-16A	122 167C				.28 .22	NO NO		132 96	
B 962X			P60-26B P128C-16B	122 167C								
B 963	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 963B	1		E332-B SHLD B963	73				.25 .25	NO NO			
B 963L			P60-45 P121A-8	122 74				.19 .12	NO NO		134 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 161 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 963R			P60-44 P121A-7	122 74				.19 .12	NO NO		134 113	
B 964	1		P60-47 P115A-2	122 78				.19 .12	NO NO		134 113	
B 965	1		P60-48 P114A-20	122 38				.19 .12	NO NO		134 113	
B 966	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 966E			P60-36A P128C-17A	122 167C				.28 .22	NO NO		132 96	
B 966X			P60-36B P128C-17B	122 167C								
B 967	118				.44 .52	.28 .23				A,9	128,131,120 131,128,120	
B 967E			P60-42A J134-1	122 119				.28 .11	NO NO		132 132	
B 967X			P60-42B J134-2	122 119								
B 968	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 968E			P60-43A P128C-20A	122 167C				.28 .22	NO NO		132 96	
B 968X			P60-43B P128C-20B	122 167C								

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 969	1		P60-15 P121A-9	122 74				.19 .12	NO NO		134 113	
B 970	118				.44 .44	.28 .28					120, 97, 98 128,131,120	
B 970E			P128A-7A P60-39A	171 122				.22 .28	NO NO		96 132	
B 970X			P128A-7B P60-39B	171 122								
B 971	2		P61-4 TB8-4	123 212				.19 .20	NO NO		136 74	
B 972	1		P61-12 P122A-22	123 52				.19 .12	NO NO		134 113	
B 973	1		P61-13 P122A-21	123 52				.19 .12	NO NO		134 113	
B 974	3		P61-14 TB7-4	123 222				.19 .20	NO NO		134 74	
B 975	1		P61-25 P122A-16	123 52				.19 .12	NO NO		134 113	
B 976	1		P61-26 P122A-15	123 52				.19 .12	NO NO		134 113	
B 977	1		P61-27 P122A-20	123 52				.19 .12	NO NO		134 113	
B 978	1		P61-28 P122A-19	123 52				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 979	1		P61-29 P122A-11	123 52				.19 .12	NO NO		134 113	
B 980	1		P61-30 P122A-12	123 52				.19 .12	NO NO		134 113	
B 981	1		P61-31 P122A-13	123 52				.19 .12	NO NO		134 113	
B 982	1		P61-32 P122A-14	123 52				.19 .12	NO NO		134 113	
B 983	2		P61-43 P126F-22	123 30				.19 .22	NO NO		136 138	
B 984	1		P61-45 P122A-18	123 52				.19 .12	NO NO		134 113	
B 985	1		P61-46 P122A-17	123 52				.19 .12	NO NO		134 113	
B 986	137										120 120	
B 986L			P61-48 TB2-1	123 155				.19 .20	NO NO		134 74	
B 986R			P61-47 TB1-1	123 161				.19 .20	NO NO		134 73	
B 986Y			P61-49 TB3-1	123 150				.19 .20	NO NO		134 73	
B 987	1		P61-50 P121A-29	123 74				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 988	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 988B	1		P115A-31 SHLD B988	78				.12 .25	NO NO		113	
B 988L			P62-18 P115A-10	125 78				.19 .12	NO NO		134 113	
B 988R			P62-19 P115A-9	125 78				.19 .12	NO NO		134 113	
B 989	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
B 989E			P62-10A P93-H1	125 130				.28 .11	NO NO		132 90	
B 989X			P62-10B P93-H2	125 130								
B 990	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
B 990E			P62-9A P70-G1	125 133				.28 .11	NO NO		132 90	
B 990X			P62-9B P70-G2	125 133								
B 991	118				.44 .52	.28 .23				A,10	128,131,120 92, 94,120 148	
B 991E			P62-8A P68-F1	125 129				.28 .11	NO NO		132 90	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 991X			P62-8B P68-F2	125 129								
B 992	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 992B	1		E328-B SHLD B992	175				.25 .25	NO NO			
B 992L			P62-50 P129D-20	125 174D				.19 .12	NO NO		134 113	
B 992R			P62-33 P129D-19	125 174D				.19 .12	NO NO		134 113	
B 993	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 993B	1		E328-B SHLD B993	175				.25 .25	NO NO			
B 993L			P62-32 P129D-14	125 174D				.19 .12	NO NO		134 113	
B 993R			P62-16 P129D-13	125 174D				.19 .12	NO NO		134 113	
B 995	7				2.25 4.00	2.00 3.75				B,6A B,6A	120,119 120,119	
B 995A	1		SHLD B995 P62-3	 125				.25 .19	NO NO		 134	
B 995B	1		P119A-31 SHLD B995	54				.12 .25	NO NO		138	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 995L			P62-2 P119A-28	125 54				.19 .12	NO NO		134 113	
B 995R			P62-1 P119A-27	125 54				.19 .12	NO NO		134 113	
B 996	7				2.25 4.00	2.00 3.75				B,6B B,6B	120,119 120,119	
B 996A	1		SHLD B996 P62-6	 125				.25 .19	NO NO		 134	
B 996B	1		P119A-31 SHLD B996	54				.12 .25	NO NO			
B 996L			P62-5 P119A-30	125 54				.19 .12	NO NO		134 113	
B 996R			P62-4 P119A-29	125 54				.19 .12	NO NO		134 113	
B 997			DELETED									
B 997B			DELETED									
B 997L			DELETED									
B 997R			DELETED									
B 998	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 998B	1		P100A-31 SHLD B998	88				.12 .25	NO NO		113	
B 998L			P62-14 P100A-20	125 88				.19 .12	NO NO		134 113	
B 998R			P62-13 P100A-19	125 88				.19 .12	NO NO		134 113	
B 999	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 999B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 999L			P62-23 P104A-20	125 70				.19 .12	NO NO		134 113	
B 999R			P62-22 P104A-19	125 70				.19 .12	NO NO		134 113	
B 1000	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1000B	1		E331-B SHLD B999	69				.25 .25	NO NO			
B 1000L			P62-25 P104A-2	125 70				.19 .12	NO NO		134 113	
B 1000R			P62-24 P104A-1	125 70				.19 .12	NO NO		134 113	
B 1001	1		P62-26 P116D-24	125 55				.19 .12	NO NO		134 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1002	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1002B	1		P101A-31 SHLD B1002	71				.12 .25	NO NO			
B 1002L			P62-28 P101A-2	125 71				.19 .12	NO NO		134 113	
B 1002R			P62-27 P101A-1	125 71				.19 .12	NO NO		134 113	
B 1003	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1003B	1		P122A-32 SHLD B1003	52				.12 .25	NO NO		113	
B 1003L			P62-47 P122A-4	125 52				.19 .12	NO NO		134 113	
B 1003R			P62-29 P122A-3	125 52				.19 .12	NO NO		134 113	
B 1004	1		P62-30 P116D-21	125 55				.19 .12	NO NO		134 113	
B 1005	7				2.25 2.25	2.00 2.00				B,6A A,7	120,119 120,128,131	
B 1005A	1		SHLD B1005 E333-B	 124				.25 .25	NO NO			
B 1005L			P62-52 J135-2	125 118			 .32	.19 .22	NO NO		134	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1005R			P62-35 J135-1	125 118				.19 .22	NO NO		134 132,100,101	
B 1006	1		P62-41 P116D-27	125 55				.19 .12	NO NO		134 113	
B 1007	1		P62-42 P116D-28	125 55				.19 .12	NO NO		134 113	
B 1008	1		P62-43 P116D-23	125 55				.19 .12	NO NO		134 113	
B 1009	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1009B	1		E332-B SHLD B1009	73				.25 .25	NO NO			
B 1009L			P62-45 P121A-16	125 74				.19 .12	NO NO		134 113	
B 1009R			P62-44 P121A-15	125 74				.19 .12	NO NO		134 113	
B 1010	1		P62-48 P116D-22	125 55				.19 .12	NO NO		134 113	
B 1011	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1011B	1		E337-B SHLD B1011	82				.25 .25	NO NO			
B 1011L			P92-BB P106D-8	183 80				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1011R			P92-AA P106D-7	183 80				.22 .12	NO NO		115 113	
B 1012	2		P63-A P126E-24	137 31				.22 .22	NO NO		127 138	
B 1013	1		P63-C P71-B	137 93				.22 .22	NO NO		115 115	
B 1014	1		P63-V* P71-C	137 93				.22 .22	NO NO		115 115	
B 1015	1		P63-U* P71-E	137 93				.22 .22	NO NO		115 115	
B 1016	1		P63-T* P71-F	137 93				.22 .22	NO NO		115 115	
B 1017	1		P63-S* P71-G	137 93				.22 .22	NO NO		115 115	
B 1018	1		P63-R* P71-P	137 93				.22 .22	NO NO		115 115	
B 1019	1		P63-Q* P71-R	137 93				.22 .22	NO NO		115 115	
B 1020	1		P63-P* P71-S	137 93				.22 .22	NO NO		115 115	
B 1021	1		P63-N* P71-T	137 93				.22 .22	NO NO		115 115	
B 1022	1		P63-M* P71-U	137 93				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1023	1		P63-K* P71-V	137 93				.22 .22	NO NO		115 115	
B 1024	1		P63-J* P71-W	137 93				.22 .22	NO NO		115 115	
B 1025	1		P63-D P71-Y	137 93				.22 .22	NO NO		115 115	
B 1026	1		P63-B P71-Z	137 93				.22 .22	NO NO		115 115	
B 1027	1		P63-E P71-A*	137 93				.22 .22	NO NO		115 115	
B 1028	1		P63-F P71-B*	137 93				.22 .22	NO NO		115 115	
B 1029	1		P63-G P71-G*	137 93				.22 .22	NO NO		115 115	
B 1030	1		P63-H P71-H*	137 93				.22 .22	NO NO		115 115	
B 1031	1		P63-J P71-I*	137 93				.22 .22	NO NO		115 115	
B 1032	1		P63-K P71-J*	137 93				.22 .22	NO NO		115 115	
B 1033	1		P63-L P71-K*	137 93				.22 .22	NO NO		115 115	
B 1034	1		P63-M P71-M*	137 93				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1035	1		P63-N P71-N*	137 93				.22 .22	NO NO		115 115	
B 1036	1		P63-P P71-R*	137 93				.22 .22	NO NO		115 115	
B 1037	2		P64-S TB7-3	134 223				.22 .20	NO NO		127 74	
B 1038	2		P64-T TB8-2	134 214				.22 .20	NO NO		127 74	
B 1039	1		P64-FF P115A-22	134 78				.22 .12	NO NO		115 113	
B 1040	1		P64-CC P115A-21	134 78				.22 .12	NO NO		115 113	
B 1041	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1041B	1		E306-B SHLD B1041	57				.25 .25	NO NO			
B 1041L			P65-F* P116A-24	131 58				.22 .12	NO NO		115 113	
B 1041R			P65-F P116A-23	131 58				.22 .12	NO NO		115 113	
B 1042	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1042B	1		F334-B SHLD B1042	56				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1042L			P65-C* P116A-28	131 58				.22 .12	NO NO		115 113	
B 1042R			P65-C P116A-27	131 58				.22 .12	NO NO		115 113	
B 1043	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1043B	1		E306-B SHLD B1043	57				.25 .25	NO NO			
B 1043L			P65-G* P116A-12	131 58				.22 .12	NO NO		115 113	
B 1043R			P65-G P116A-11	131 58				.22 .12	NO NO		115 113	
B 1044	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1044B	1		E306-B SHLD B1044	57				.25 .25	NO NO			
B 1044L			P65-E* P116A-16	131 58				.22 .12	NO NO		115 113	
B 1044R			P65-E P116A-15	131 58				.22 .12	NO NO		115 113	
B 1045	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1045B	1		E306-B SHLD B1045	57				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1045L			P65-D* P116A-22	131 58				.22 .12	NO NO		115 113	
B 1045R			P65-D P116A-21	131 58				.22 .12	NO NO		115 113	
B 1046	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 1046B	1		E323-B SHLD B1046	128				.25 .25	NO NO			
B 1046L			P65-N* P71-K	131 93				.22 .22	NO NC		115 115	
B 1046R			P65-N P71-J	131 93				.22 .22	NO NO		115 115	
B 1047	7				2.25 2.25	2.00 2.00				A,7 B,6A	120 120,119	
B 1047A	1		E323-B SHLD B1047	128				.25 .25	NO NO			
B 1047B			DELETED									
B 1047L			P65-P* P71-M	131 93				.22 .22	NO NO		115 115	
B 1047R			P65-P P71-L	131 93				.22 .22	NO NO		115 115	
B 1048	1		P65-DD P71-E*	131 93				.22 .22	NO NO		115 115	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1049	1		P65-EE P71-D*	131 93				.22 .22	NO NO		115 115	
B 1050	3		P65-A E337-B	131 82				.22 .25	NO NO		115	
B 1051	3		P65-X TB1-1	131 161				.22 .20	NO NO		115 73	
B 1052	3		P65-Y TB2-1	131 158				.22 .20	NO NO		115 74	
B 1053	3		P65-Z TB3-1	131 150				.22 .20	NO NO		115 73	
B 1054	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1054B	1		E337-B SHLD B1054	82				.25 .25	NO NO			
B 1054L			P65-W* P106A-24	131 83				.22 .12	NO NO		115 113	
B 1054R			P65-V* P106A-23	131 83				.22 .12	NO NO		115 113	
B 1055	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1055B	1		E326-B SHLD B1055	66				.25 .25	NO NO			
B 1055L			P65-Y* P107A-4	131 65				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1055R			P65-X* P107A-3	131 65				.22 .12	NO NO		115 113	
B 1056	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1056B	1		E337-B SHLD B1056	82				.25 .25	NO NO			
B 1056L			P65-A* P106A-30	131 83				.22 .12	NO NO		115 113	
B 1056R			P65-Z* P106A-29	131 83				.22 .12	NO NO		115 113	
B 1057	118				2.25 .44	2.00 .28				B,6B	119,124,120 120, 97, 98	
B 1057A			SHLD B1057 P65-NN	 131				.25 .22	NO NO		 115	
B 1057E			P65-MM P128C-1A	131 167C				.22 .22	NO NO		115 96	
B 1057X			SHLD B1057 P128C-1B	 167C								
B 1058	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1058B	1		P100A-10 SHLD B1058	88				.12 .25	NO NO		113	
B 1058E			P66-B1 P100A-9	135 88				.11 .12	NO NO		90 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1058X			P66-B2 SHLD B1058	135								
B 1059	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1059B	1		P100A-16 SHLD B1059	88				.12 .25	NO NO			
B 1059E			P66-D1 P100A-15	135 88				.11 .12	NO NO		90 138	
B 1059X			P66-D2 SHLD B1059	135								
B 1060	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1060B	1		P104A-10 SHLD B1060	70				.12 .25	NO NO		113	
B 1060E			P66-A1 P104A-9	135 70				.11 .12	NO NO		90 113	
B 1060X			P66-A2 SHLD B1060	135								
B 1061	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1061B	1		P104A-22 SHLD B1061	70				.12 .25	NO NO		113	
B 1061E			P66-E1 P104A-21	135 70				.11 .12	NO NO		90 113	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1061X			P66-E2 SHLD B1061	135								
B 1062	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1062B	1		P104A-24 SHLD B1062	70				.12 .25			113	
B 1062E			P66-C1 P104A-23	135 70				.11 .12	NO NO		90 113	
B 1062X			P66-C2 SHLD B1062	135								
B 1063	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1063B	1		P110A-6 SHLD B1063	63				.12 .25	NO NO		113	
B 1063E			P66-G1 P110A-5	135 63				.11 .12	NO NO		90 113	
B 1063X			P66-G2 SHLD B1063	135								
B 1064	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,124,120	
B 1064B	1		P111A-12 SHLD B1064	42				.12 .25	NO NO		113	
B 1064E			P66-F1 P111A-11	135 42				.11 .12	NO NO		90 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 179 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1064X			P66-F2 SHLD B1064	135								
B 1065	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1065E			P67-G1 P127C-1A	132 166				.11 .22	NO NO		90 96	
B 1065X			P67-G2 P127C-1B	132 166								
B 1066	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1066E			P67-H1 P127C-3A	132 166				.11 .22	NO NO		90 96	
B 1066X			P67-H2 P127C-3B	132 166								
B 1067	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1067E			P67-J1 P127C-5A	132 166				.11 .22	NO NO		90 96	
B 1067X			P67-J2 P127C-5B	132 166								
B 1068	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1068E			P68-D1 P128B-7A	129 167B				.11 .11	NO NO		90 96	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 180 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1068X			P68-D2 P128B-7B	129 167B								
B 1069	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1069E			P69-H1 P127C-2A	136 166				.11 .22	NO NO		90 96	
B 1069X			P69-H2 P127C-2B	136 166								
B 1070	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1070E			P69-J1 P127C-4A	136 166				.11 .22	NO NO		90 96	
B 1070X			P69-J2 P127C-4B	136 166								
B 1071	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1071E			P70-A1 P127C-6A	133 166				.11 .22	NO NO		90 96	
B 1071X			P7C-A2 P127C-6B	133 166								
B 1072	3		P90-E P129B-32	21 174B				.20 .12	YES NO		 138	
B 1073	3		P90-I P129B-32	21 174B				.20 .12	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 181 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1074	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 1074A	1		SHLD B1074 E335-B	 22				.25 .25	NO NO			
B 1074L			P90-F P99-N*	21 186				.20 .22	YES NO		 127	
B 1074R			P90-G P99-M*	21 186				.20 .22	YES NO		 127	
B 1075	2		P90-H P126F-32	21 30				.20 .22	YES NO		 138	
B 1076	3		P91-Z E336-B	173 59				.22 .25	NO NO		115	
B 1077	2		P91-A P126F-23	173 30				.22 .22	NO NO		127 138	
B 1078	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1078B	1		P106D-32 SHLD B1078	80				.12 .25	NO NO		138	
B 1078L			P91-B* P106D-24	173 80				.22 .12	NO NO		115 113	
B 1078R			P91-B P106D-23	173 80				.22 .12	NO NO		115 113	
B 1079	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 182 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1079B	1		P106D-32 SHLD B1079	80				.12 .25	NO NO			
B 1079L			P91-F* P106D-30	173 80				.22 .12	NO NO		115 113	
B 1079R			P91-F P106D-29	173 80				.22 .12	NO NO		115 113	
B 1080	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1080B	1		E304-B SHLD B1080	62				.25 .25	NO NO			
B 1080L			P91-D* P107D-2	173 64				.22 .12	NO NO		115 113	
B 1080R			P91-D P107D-1	173 64				.22 .12	NO NO		115 113	
B 1081	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1081B	1		E336-B SHLD B1081	59				.25 .25	NO NO			
B 1081L			P91-H* P110D-12	173 60				.22 .12	NO NO		115 113	
B 1081R			P91-H P110D-11	173 60				.22 .12	NO NO		115 113	
B 1082	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1082B	1		E336-B SHLD B1082	59				.25 .25	NO NO			
B 1082L			P91-M* P110D-16	173 60				.22 .12	NO NO		115 113	
B 1082R			P91-M P110D-15	173 60				.22 .12	NO NO		115 113	
B 1083	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1083B	1		E336-B SHLD B1083	59				.25 .25	NO NO			
B 1083L			P91-P* P110D-18	173 60				.22 .12	NO NO		115 113	
B 1083R			P91-P P110D-17	173 60				.22 .12	NO NO		115 113	
B 1084	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1084B	1		E316-B SHLD B1084	34				.25 .25	NO NO			
B 1084L			P91-W* P117D-6	173 35				.22 .12	NO NO		115 113	
B 1084R			P91-W P117D-5	173 35				.22 .12	NO NO		115 113	
B 1085	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1085B	1		E316-B SHLD B1085	34				.25 .25	NO NO			
B 1085L			P91-V* P117D-10	173 35				.22 .12	NO NO		115 113	
B 1085R			P91-V P117D-9	173 35				.22 .12	NO NO		115 113	
B 1086	1		P92-W P99-K*	183 186				.22 .22	NO NO		115 115	
B 1087	3		P92-N* E300-B	183 43				.22 .25	NO NO		115	
B 1088	1		P92-B P106D-21	183 80				.22 .12	NO NO		115 113	
B 1089	2		P92-M* TB8-1	183 215				.22 .20	NO NO		127 74	
B 1090	1		P92-M P99-E	183 186				.22 .22	NO NO		115 115	
B 1091	1		P92-L P129D-12	183 174D				.22 .12	NO NO		115 113	
B 1092	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1092B	1		E300-B SHLD B1092	43				.25 .25	NO NO			
B 1092L			P92-DD P108D-30	183 45				.22 .12	NO NO		115 113	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1092R			P92-CC P108D-29	183 45				.22 .12	NO NO		115 113	
B 1093	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1093B	1		E300-B SHLD B1093	43				.25 .25	NO NO			
B 1093L			P92-FF P108D-26	183 45				.22 .12	NO NO		115 113	
B 1093R			P92-EE P108D-25	183 45				.22 .12	NO NO		115 113	
B 1094	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1094B	1		E300-B SHLD B1094	43				.25 .25	NO NO			
B 1094L			P92-HH P108A-20	183 46				.22 .12	NO NO		115 113	
B 1094R			P92-GG P108A-19	183 46				.22 .12	NO NO		115 113	
B 1095	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1095B	1		E300-B SHLD B1095	43				.25 .25	NO NO			
B 1095L			P92-KK P108A-14	183 46				.22 .12	NO NO		115 113	

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1095R			P92-JJ P108A-13	183 46				.22 .12	NO NO		115 113	
B 1096	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,119	
B 1096B	1		E3C0-B SHLD B1096	43				.25 .25	NO NO			
B 1096L			P92-MM P108A-8	183 46				.22 .12	NO NO		115 113	
B 1096R			P92-LL P108A-7	183 46				.22 .12	NO NO		115 113	
B 1097	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,120	
B 1097B			P103A-10 SHLD B1097	85				.12 .25	NO NO		113	
B 1097E			P93-C1 P103A-9	130 85				.11 .12	NO NO		90 113	
B 1097X			P93-C2 SHLD B1097	130								
B 1098	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,120	
B 1098B			P103A-12 SHLD B1098	85				.12 .25	NO NO		113	
B 1098E			P93-D1 P103A-11	130 85				.11 .12	NO NO		90 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 187 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1098X			P93-D2 SHLD B1098	130								
B 1099	118				.52 4.00	.23 3.75				A,10 B,6B	92, 94,120 148 119,120	
B 1099B			P103A-6 SHLD B1099	85				.12 .25	NO NO		113	
B 1099E			P93-E1 P103A-5	130 85				.11 .12	NO NO		90 113	
B 1099X			P93-E2 SHLD B1099	130								
B 1100	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1100E			P94-A1 P128C-4A	127 167C				.11 .22	NO NO		90 96	
B 1100X			P94-A2 P128C-4B	127 167C								
B 1101	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1101E			P94-B1 P128C-5A	127 167C				.11 .22	NO NO		90 96	
B 1101X			P94-B2 P128C-5B	127 167C								
B 1102	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 188 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1102E			P94-C1 P128C-2A	127 167C				.11 .22	NO NO		90 96	
B 1102X			P94-C2 P128C-2B	127 167C								
B 1103	118				.52 .44	.23 .28				A,10	92, 94,120 148 120, 97, 98	
B 1103E			P94-D1 P128C-3A	127 167C				.11 .22	NO NO		90 96	
B 1103X			P94-D2 P128C-3B	127 167C								
B 1106	2		P95-A P126E-22	89 31				.22 .22	NO NO		117 138	
B 1107	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1107B	1		P110A-31 SHLD B1107	63				.12 .25	NO NO		113	
B 1107L			P96-D* P110A-10	182 63				.22 .12	NO NO		115 113	
B 1107R			P96-E* P110A-9	182 63				.22 .12	NO NO		115 113	
B 1108	1		P96-M* P118A-11	182 75				.22 .12	NO NO		115 113	
B 1109	1		P96-N* P118A-12	182 75				.22 .12	NO NO		115 113	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 189 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1110	1		P98-F P108A-1	187 46				.22 .12	NO NO		115 113	
B 1111	1		P98-U* P129B-12	187 174B				.22 .12	NO NO		115 113	
B 1112	1		P99-F* TB4-2	186 225				.22 .20	NO NO		115 73	
B 1113	1		P99-S TB4-10	186 227				.22 .20	NO NO		115 73	
B 1114	1		P99-P* P122D-32	186 51				.22 .12	NO NO		115 138	
B 1115	1		P99-K P129B-3	186 174B				.22 .12	NO NO		115 113	
B 1116	1		P99-Z P130A-9	186 179A				.22 .12	NO NO		115 113	
B 1121	1		P25-NN P27-HH	195 185				.22 .22	NO NO		115 115	
B 1122	1		P31-F* P129E-23	191 23E				.22 .12	NO NO		115 113	
B 1129	118				.44 .44	.28 .28					128,131,120 120, 97, 98	
B 1129E			P60-1A P128C-6A	122 167C				.28 .22	NO NO		132 96	
B 1129X			P60-1B P128C-6B	122 167C								

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 190 OF 209

WIRING HARNES$ B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1130	7				2.25 4.00	2.00 3.75				A,7 B,6A	120 120,121	
B 1130B	1		E332-B SHLD B1130	73				.25 .25	NO NO			
B 1130L			P62-31 P121A-20	125 74				.19 .12	NO NO		134 113	
B 1130R			P62-15 P121A-19	125 74				.19 .12	NO NO		134 113	
B 1140	1		P71-T* P118A-32	93 75				.22 .12	NO NO		115 113	
B 1141	1		P36-R P99-C	181 186				.22 .22	NO NO		115 115	
B 1142	1		P99-D P130A-1	186 179A				.22 .12	NO NO		115 113	
B 1143	1		P99-U P129B-7	186 174B				.22 .12	NO NO		115 113	
B 1144	7				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1144B	1		P122D-32 SHLD B1144	51				.12 .25	NO NO			
B 1144L			P99-X* P122D-6	186 51				.22 .12	NO NO		115 113	
B 1144R			P99-Y* P122D-5	186 51				.22 .12	NO NO		115 113	

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CODE IDENT NO. 99974
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SCALE-NONE
REV LTR L
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WIRING HARNES$ B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1145	1		J21-T P99-GG	2 186				.22 .22	NO NO		114 115	
B 1150	1		P92-C P105D-1	183 47				.22 .12	NO NO		115 113	
B 1156	1		P115D-29 TB5-1	77 228				.12 .20	NO NO		113 73	
B 1157	1		P116D-5 TB5-4	55 231				.12 .20	NO NO		113 73	
B 1165	1		P108D-2 TB8-8	45 208				.12 .20	NO NO		113 74	
B 1166	2		P110D-2 TB8-7	60 209				.22 .20	NO NO		138 74	
B 1167	1		P110D-20 TB8-6	60 210				.12 .20	NO NO		113 74	
B 1170	1		P114D-5 TB3-2	37 151				.12 .20	NO NO		113 73	
B 1171	1		P114D-3 TB1-2	37 162				.12 .20	NO NO		113 73	
B 1173	1		P114D-6 TB2-2	37 159				.12 .20	NO NO		113 74	
B 1174	3		P115D-27 TB7-9	77 217				.12 .20	NO NO		113 74	
B 1176	1		P115D-28 TB8-9	77 207				.12 .20	NO NO		113 74	

SIZE A
CODE IDENT NO. 99974
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SCALE-NONE
REV LTR L
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WIRING HARNES$ B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1177	3		P115D-21 P130E-1	77 22E				.12 .12	NO NO		113 113	
B 1178	1		P115D-30 TB6-5	77 239				.12 .20	NO NO		113 74	
B 1180	5				2.25 4.00	2.00 3.75				A,7 B,6B	120 120,119	
B 1180B	1		P116D-4 SHLD B1180	55				.12 .25	NO NO		113	
B 1180W			TB5-2 P116D-3	229 55				.20 .12	NO NO		73 113	
B 1187	3		E301-BB P108D-32	39 45				.25 .12	NO NO		 138	
B 1188	3		E302-BB P108D-32	40 45				.25 .12	NO NO			
B 1189	3		E303-BB P105D-32	16 47				.25 .12	NO NO		 138	
B 1190	3		E304-BB P107D-32	62 64				.25 .12	NO NO		 113	
B 1191	3		E305-BB P107D-31	61 64				.25 .12	NO NO		 113	
B 1192	3		E306-BB P116A-32	57 58				.25 .12	NO NO		 113	
B 1193	3		E307-BB E302-B	13 40				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
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WIRING HARNES$ B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1194	3		E308-BB P100D-32	86 87				.25 .12	NO NO		 113	
B 1195	3		E309-BB E308-B	9 86				.25 .25	NO NO			
B 1196	3		F310-BB E304-B	19 62				.25 .25	NO NO			
B 1197	3		E311-BB E312-B	11 178				.25 .25	NO NO			
B 1198	3		E312-BB P129A-31	178 174A				.25 .12	NO NO		 113	
B 1199	3		E313-BB E328-B	195A 175				.25 .25	NO NO			
B 1201	3		E315-BB E316-B	172 34				.25 .25	NO NO			
B 1202	3		E316-BB P117D-31	34 35				.25 .12	NO NO		 113	
B 1204	3		E321-BB P117A-32	204 36				.25 .12	NO NO			
B 1205	3		E322-BP P129B-31	177 174B				.25 .12	NO NO		 113	
B 1206	3		E323-BB E327-B	128 81				.25 .25	NO NO			
B 1207	3		E324-BB E328-B	180 175				.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900542
SCALE-NONE
REV LTR L
SHEET 194 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1208	3		E325-BB P107A-31	67 65				.25 .12	NO NO		 113	
B 1209	3		E326-BB P107A-32	66 65				.25 .12	NO NO		 113	
B 1210	3		E327-BB P106A-31	81 83				.25 .12	NO NO		 113	
B 1211	3		E328-BB P129D-31	175 174D				.25 .12	NO NO		 113	
B 1212	3		E329-BB P108A-32	44 46				.25 .12	NO NO		 113	
B 1213	3		E330-BB P118A-31	76 75				.25 .12	NO NO		 113	
B 1214	3		E331-BB P104A-31	69 70				.25 .12	NO NO		 113	
B 1215	3		E332-BB P121A-31	73 74				.25 .12	NO NO		 113	
B 1216	3		E333-BB P101A-31	124 71				.25 .12	NO NO		 138	
B 1217	3		E334-BB P116A-31	56 58				.25 .12	NO NO		 113	
B 1218	3		E335-BB E322-B	22 177				.25 .25	NO NO			
B 1219	3		E336-BB P110D-32	59 60				.25 .12	NO NO		 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 195 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1220	3		E337-BB P106A-32	82 83				.25 .12	NO NO		 113	
B 1221	118				.44 .44	.28 .28					120, 97, 98 120, 97, 98	
B 1221E			P128B-6A P128B-20A	167B 167B				.22 .22	NO NO		96 96	
B 1221X			P128B-6B P128B-20B	167B 167B								
B 1225	2		P71-A P126E-25	93 31				.22 .22	NO NO		127 138	
B 1226	2		E338-BB J19-V	8 7				.25 .22	NO NO		 116	
B 1229	9				2.25 2.25	2.00 2.00				B,6A A,7	120,121 120	
B 1229A	3		SHLD B1229 E338-B	 8				.25 .25	NO NO			
B 1229L			J19-N P11-LL	7 250				.22 .22	NO NO		126 126	
B 1229R			J19-L P11-P*	7 250				.22 .22	NO NO		126 126	
B 1230	1		J16-AA P113A-29	20 59A				.22 .12	NO NO		114 113	
B 1231	3		E300-BB P108A-32	43 46				.25 .12	NO NO		 113	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 196 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1232	2		P71-S* TB8-3	93 213				.22 .25	NO NO		127 74	
B 1233	118				.38 .44	.19 .28					120,128,131 120, 97, 98	
B 1233E			J136-1 P128C-7A	29A 167C				.19 .22	NO NO		132 96	
B 1233X			J136-2 P128C-7B	29A 167C								
B 1234			DELETED									
B 1235	3		J21-W* P27-KK	2 185				.22 .22	NO NO		114 115	
B 1236	1		J25-A* P27-FF	6 185				.22 .22	NO NO		115 115	
B 1237			J25-B* P36-B	6 181				.22 .22	NO NO		115 115	
B 1238	1		J25-C* P36-C	6 181				.22 .22	NO NO		115 115	
B 1239	1		P118A-22 P36-A	75 181				.12 .22	NO NO		113 115	
B 1240	2		J30-10 TB1-1	90 164				.19 .25	NO NO		135 144	
B 1241	2		J30-12 TB2-1	90 158				.19 .25	NO NO		135 74	

SIZE A | CODE IDENT NO. 99974 | 2900542

SCALE-NONE | REV LTR L | SHEET 197 OF 209

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1242	2		J30-11 TB3-1	90 153				.19 .25	NO NO		135 144	
B 1243	3		J19-C P130A-3	7 179				.22 .12	NO NO		114 113	
B 1244	3		J27-F P26-J	1 194				.22 .22	NO NO		114 115	
B 1245	118				.44 .44	.28 .28					128,131,120 128,129,120	
B 1245E			J29-7A P60-46A	92 122				.28 .28	NO NO		130 132	
B 1245X			J29-7B P60-46B	92 122				.19 .19	NO NO		130 132	
B 1246	3		P35-NN P130A-11	184 179				.22 .12	NO NO		115 113	
B 1247	3		J21-Y P130E-11	2 22				.22 .12	NO NO		115 113	
B 1248	3		P35-MM J21-1*	184 2				.22 .22	NO NO		115 115	
B 1249	3		P35-LL J21-Z	184 2				.22 .22	NO NO		115 115	
B 1250	3		P25-M* J17-E*	195 15				.22 .22	NO NO		115 114	
B 1251	3		P25-J* J17-F*	195 15				.22 .22	NO NO		115 114	

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SCALE-NONE | REV LTR L | SHEET 198 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD L	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1252	3		P25-H* J17-G*	195 15				.22 .22	NO NO		115 114	
B 1253			DELETED									
B 1254	3		P25-K* J17-P*	195 15				.22 .22	NO NO		115 114	
B 1255	3		P25-P* J17-Q*	195 15				.22 .22	NO NO		115 114	
B 1256	3		P25-R* J17-R*	195 15				.22 .22	NO NO		115 114	
B 1257	3		P25-Q* J17-S*	6 15				.22 .22	NO NO		115 114	
B 1258	3		P25-S* J17-X*	6 15				.22 .22	NO NO		115 114	
B 1259	3		P25-N* J17-Y*	6 15				.22 .22	NO NO		115 114	
B 1260	3		P25-F* J17-AA	6 15				.22 .22	NO NO		115 114	
B 1261	3		P25-G* J17-BB	6 15				.22 .22	NO NO		115 114	
B 1262	3		P11-W* P130B-11	250 179				.22 .12	NO NO		114 113	
B 1263	1		P99-C P31-K	186 191				.22 .22	NO NO		115 115	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 199 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG.	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1264	1		P27-Y P26-T*	185 194				.22 .22	NO NO		115 115	
B 1265	3		P46-E P100A-32	117 88				.22 .12	NO NO		115 113	
B 1266	118				.44 4.00	.28 3.75				A,10 B,68	92, 94,120 119,124,120	
B 1266B	1		P119A-24 SHLD B1266	54				.12 .25	NO NO		113	
B 1266E			P60-54A P119A-23	122 54				.28 .12	NO NO		90 113	
B 1266X			P60-54B SHLD B1266	122								
B 1267	118				.44 4.00	.28 3.75				A,10 B,68	92, 94,120 119,124,120	
B 1267B	1		P119A-22 SHLD B1266	54				.12 .25	NO NO		113	
B 1267E			P60-55A P119A-21	122 54				.28 .12	NO NO		90 113	
B 1267X			P60-55B SHLD B1266	122								
B 1268	1		J25-M* P110A-1	6 63				.22 .12	NO NO		115 113	
B 1269	1		J21-S* P96-V	2 182				.22 .22	NO NO		115 115	

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A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 200 OF 209

WIRING HARNESS B 2900542 L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1270	1		J18-AA P115D-13	12 16				.22 .12	NO NO		 113	
B 1271	1		P24-B* P115D-7	196 16				.22 .12	NO NO		115 113	
B 1272	1		P130E-7 P115D-8	179B 16				.12 .12	NO NO		113 113	
B 1273	1		P61-52 P122A-7	123 23				.19 .12	NO NO		134 113	
B 1274	1		E339BB P105D-6	8A 45				.25 .12	NO NO		 113	
B 1275	2		E339B J19-F*	8A 7				.25 .22	NO NO		 116	

SIZE	CODE IDENT NO.	
A	99974	2900542
SCALE-NONE	REV LTR L	SHEET 201 OF 209

TABLE I

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P1	~~A2J3~~ A2J1	P46	A18J1	P100D	J100D
P2	A2J3	P47	A18J2	P101A	J101A
P3	A3J1	P48	A32J1	P102A	J102A
P4	A3J3	P49	A32J2	P102D	J102D
P5	~~A4J2~~ A4J1	P50	A18J5	P103A	J103A
P7	A4J3	P51	A19J1	P103D	J103D
P8	A4J4	P52	A19J2	P104A	J104A
P11	A14J2	P53	A19J3	P104D	J104D
P12	A21J19	P54	A19J4	P105A	J105A
P13	A19J9	P55	A19J5	P105D	J105D
P14	A5J1	P56	A19J6	P106A	J106A
P15	A5J2	P57	A19J7	P106D	J106D
P16	A5J3	P58	A19J8	P107A	J107A
P17	A5J4	P59	A19J10	P107D	J107D
P19	A6J2	P60	A20J49	P108A	J108A
P20	A7J1	P61	A20J50	P108D	J108D
P21	A7J2	P62	A20J51	P109D	J109D
P22	A7J3	P63	A21J1	P110A	J110A
P23	A8J1	P64	A21J2	P110D	J110D
P24	A9J1	P65	A21J3	P111A	J111A
P25	A9J2	P66	A21J4	P111D	J111D
P26	A9J3	P67	A21J5	P113A	J113A
P27	A12J4	P68	A21J6	P114A	J114A
P28	A10J1	P69	A21J7	P114D	J114D
P29	A10J2	P70	A21J8	P115A	J115A
P30	A10J3	P71	A22J1	P115D	J115D
P31	A11J1	P90	A30J4	P116A	J116A
P32	A11J2	P91	A31J1	P116D	J116D
P33	A11J3	P92	A13J3	P117A	J117A
P34	A12J1	P93	A21J9	P117D	J117D
P35	A13J1	P94	A21J10	P118A	J118A
P36	A13J2	P95	A23J1	P119A	J119A
P37	A14J1	P96	A13J4	P119D	J119D
P38	A15J1	P97	A18J6	P120D	J120D
P39	A15J2	P98	~~A12J1~~ A12J2	P121A	J121A
P40	A15J3	P99	A12J3	P121D	J121D
P41	A15J4	P100A	J100A	P122A	J122A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	L	2900542 SHEET 202 OF 209

TABLE I (CONTINUED)

PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.	PLUG DESIG.	MATING DESIG.
P122D	J122D				
P123A	J123A				
~~P127A~~	~~J127A~~	DELETED			
~~P127B~~	~~J127B~~	DELETED			
~~P127C~~	~~J127C~~	DELETED			
~~P128A~~	~~J128A~~	DELETED			
~~P128B~~	~~J128B~~	DELETED			
~~P128C~~	~~J128C~~	DELETED			
P129A	J129A				
P129B	J129B				
P129D	J129D				
P129E	J129E				
P129F	J129F				
P130A	J130A				
P130B	J130B				
P130C	J130C				
P130D	J130D				
P130E	J130E				
P130F	J130F				
J~~P~~131	P~~J~~131				
J~~P~~132	P~~J~~132				
J~~P~~133	P~~J~~133				
J~~P~~134	P~~J~~134				
J~~P~~135	P~~J~~135				
J~~P~~136	P~~J~~136				
P126E	P126E				
P126F	J126F				

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION
L

NASA DRAWING NO.
2900542
SHEET 203 OF 209

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

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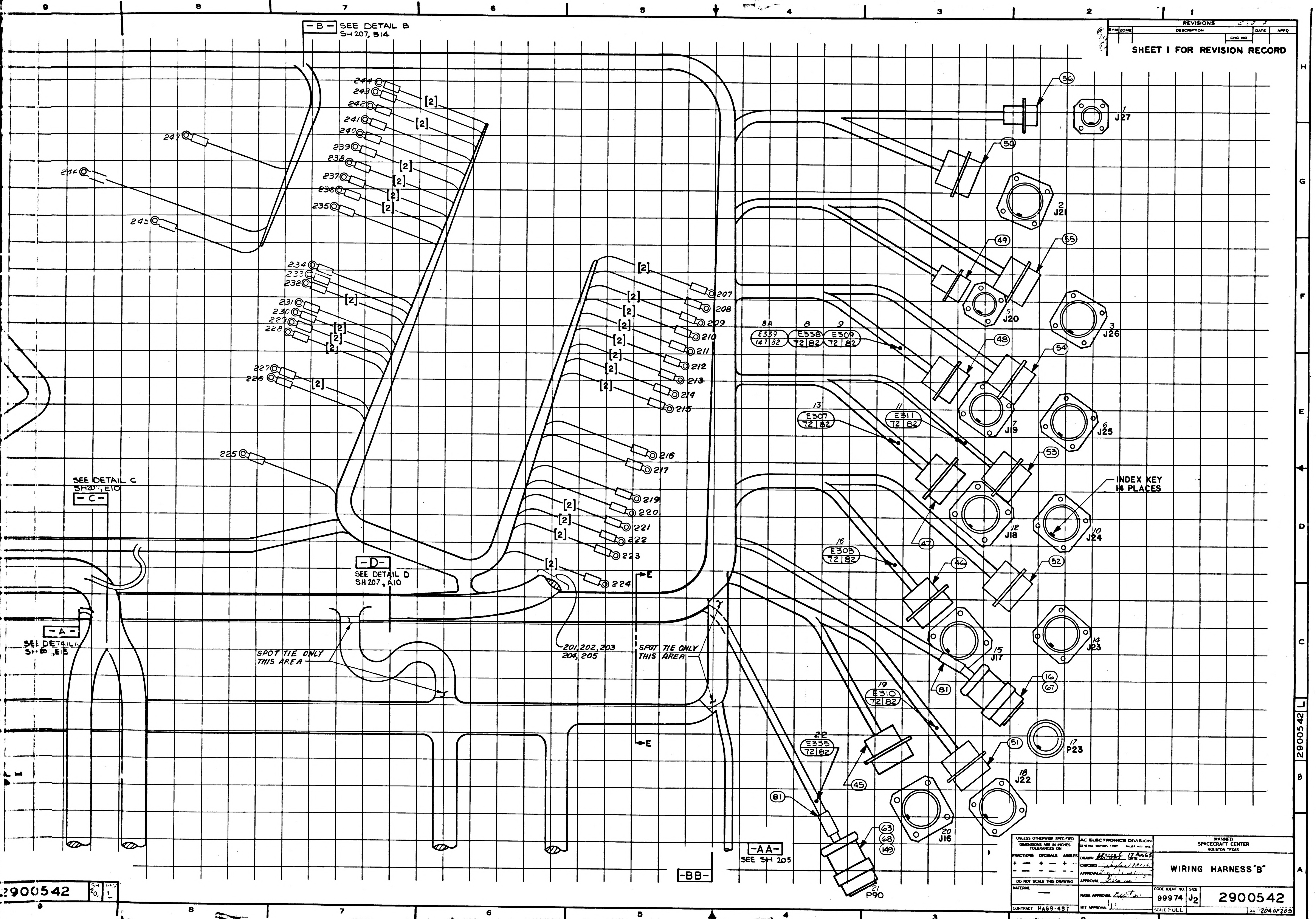
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SH 207, E10
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SH 207, E13
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1 J27
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2 J21
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5 J20
3 J26
8A E339 147 82
8 E338 72 82
9 E309 72 82
48
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7 J19
6 J25
13 E307 72 82
11 E311 72 82
53
47
12 J18
INDEX KEY 14 PLACES
10 J24
16 E308 72 82
46
52
15 J17
14 J23
81
16
67
19 E310 72 82
17 P23
22 E335 72 82
45
51
18 J22
20 J16
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63
68
149
21 P90
2900542 L

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + — + — + · - — - — - -	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Wong 17 Aug 65 DATE CHECKED 19 Aug 65 APPROVAL APPROVAL	WIRING HARNESS "B"
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 SIZE J_2 2900542
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL SH 204 OF 209

2900542 SH 20_ REV L

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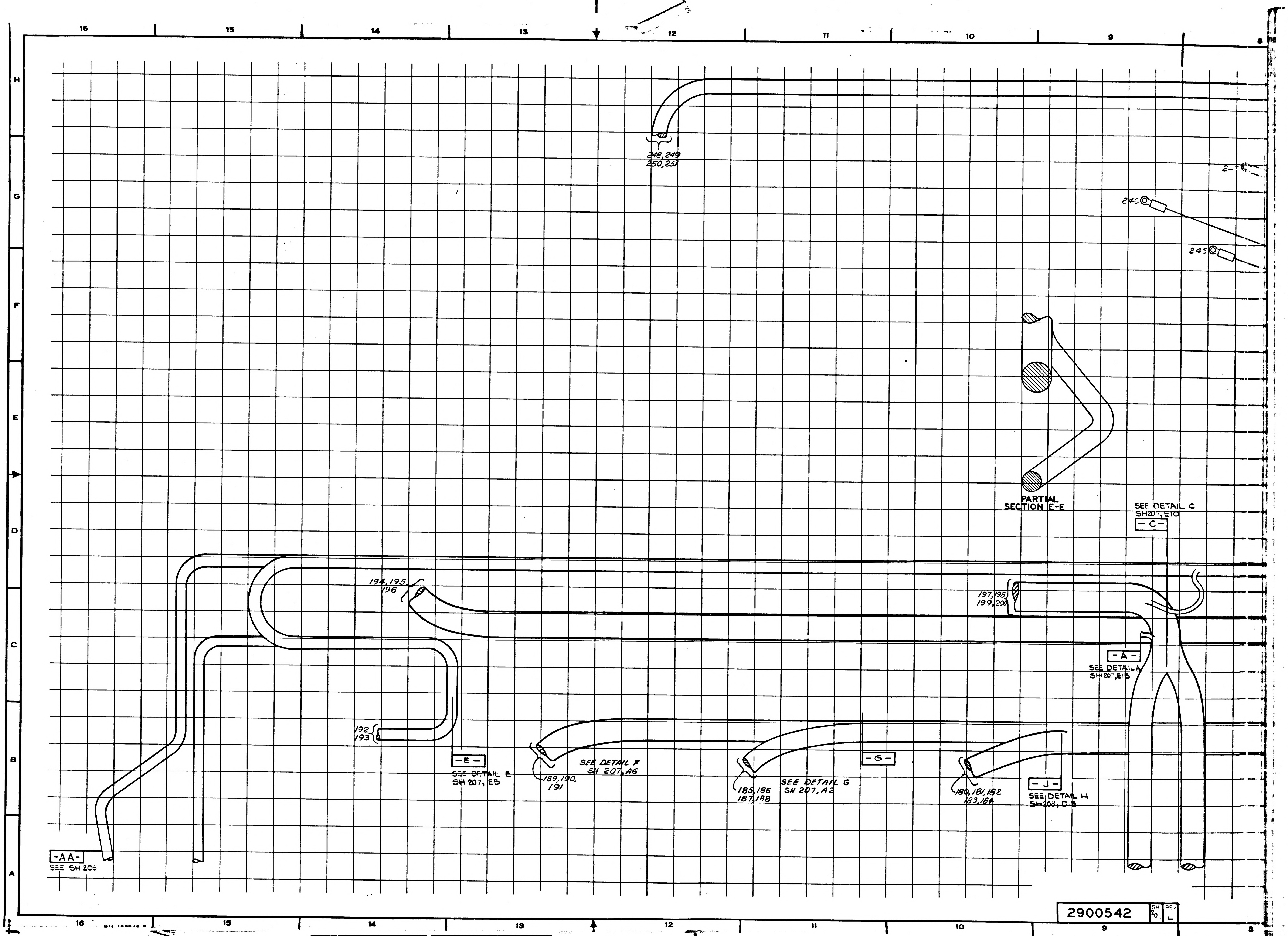
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SH 204 of 208
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197,198
199,200
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185,186
187,188
SEE DETAIL G
SH 207, A2
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2900542
SH. 20.
REV L

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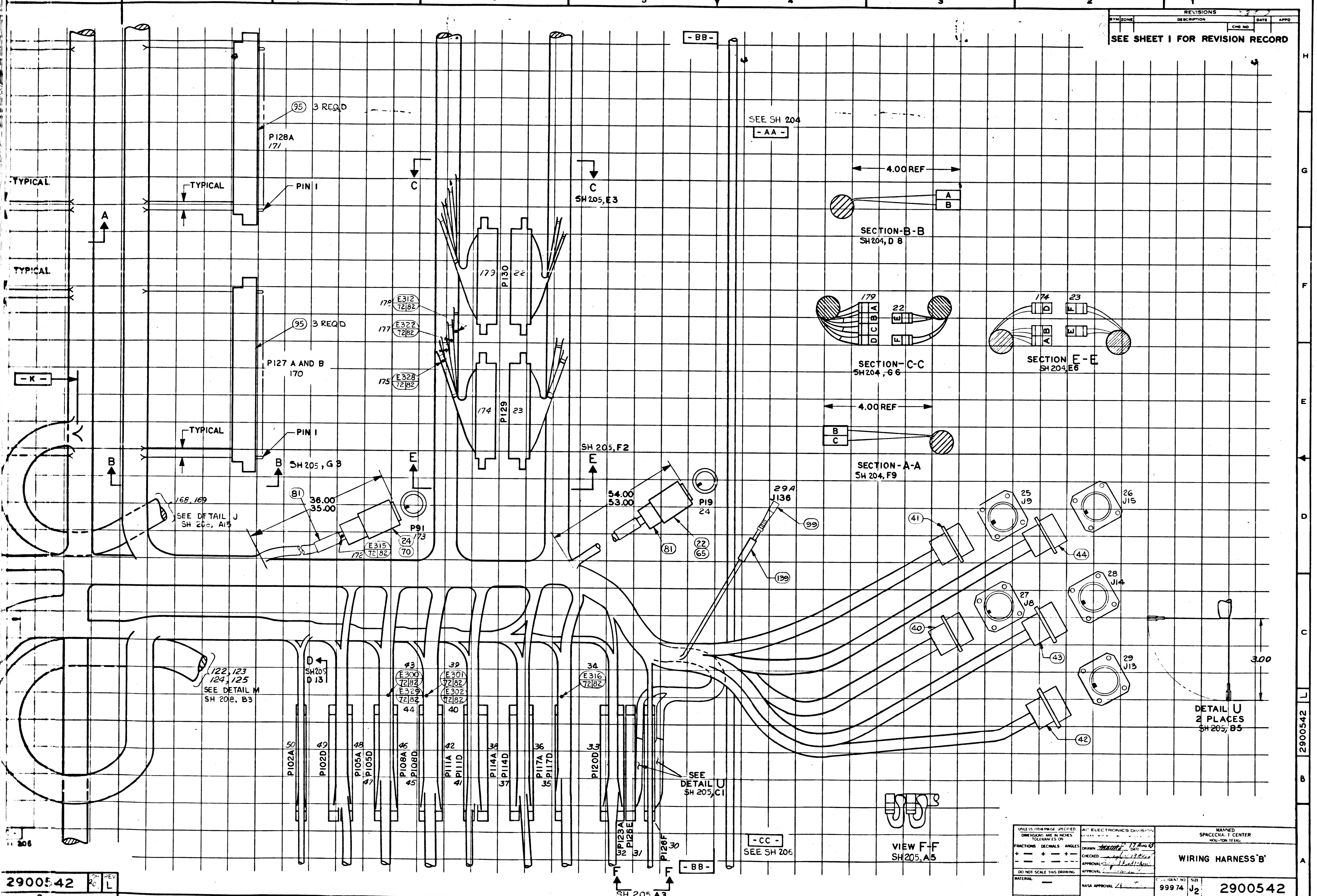

REVISIONS
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171
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95 3 REQD
P127 A AND B
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SH 204, E6
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27 J8
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29 J13
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SH 205, B5
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124, 125
SEE DETAIL M
SH 206, B3
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SH 205 D 13
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E329 72 82
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E301 72 82
E302 72 82
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E316 72 82
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49 P102D
48 P105A P105D 47
46 P108A P108D 45
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38 P114A P114D 37
36 P117A P117D 35
33 P120D
P123A 32
P126E 31
P126F 30
SEE DETAIL U
SH 205, C1
- CC -
SEE SH 206
- BB -
VIEW F-F
SH 205, A5
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SH 205, A3
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
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DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC ELECTRONICS DIVISION

DRAWN 17 Aug 65 DATE

CHECKED 19 AUG

APPROVAL

APPROVAL

NASA APPROVAL

MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS 'B'

CODE IDENT NO 99974

SIZE J2

2900542

SCALE FULL

SHEET 20 OF 20

2900542 L

2900542 REV L

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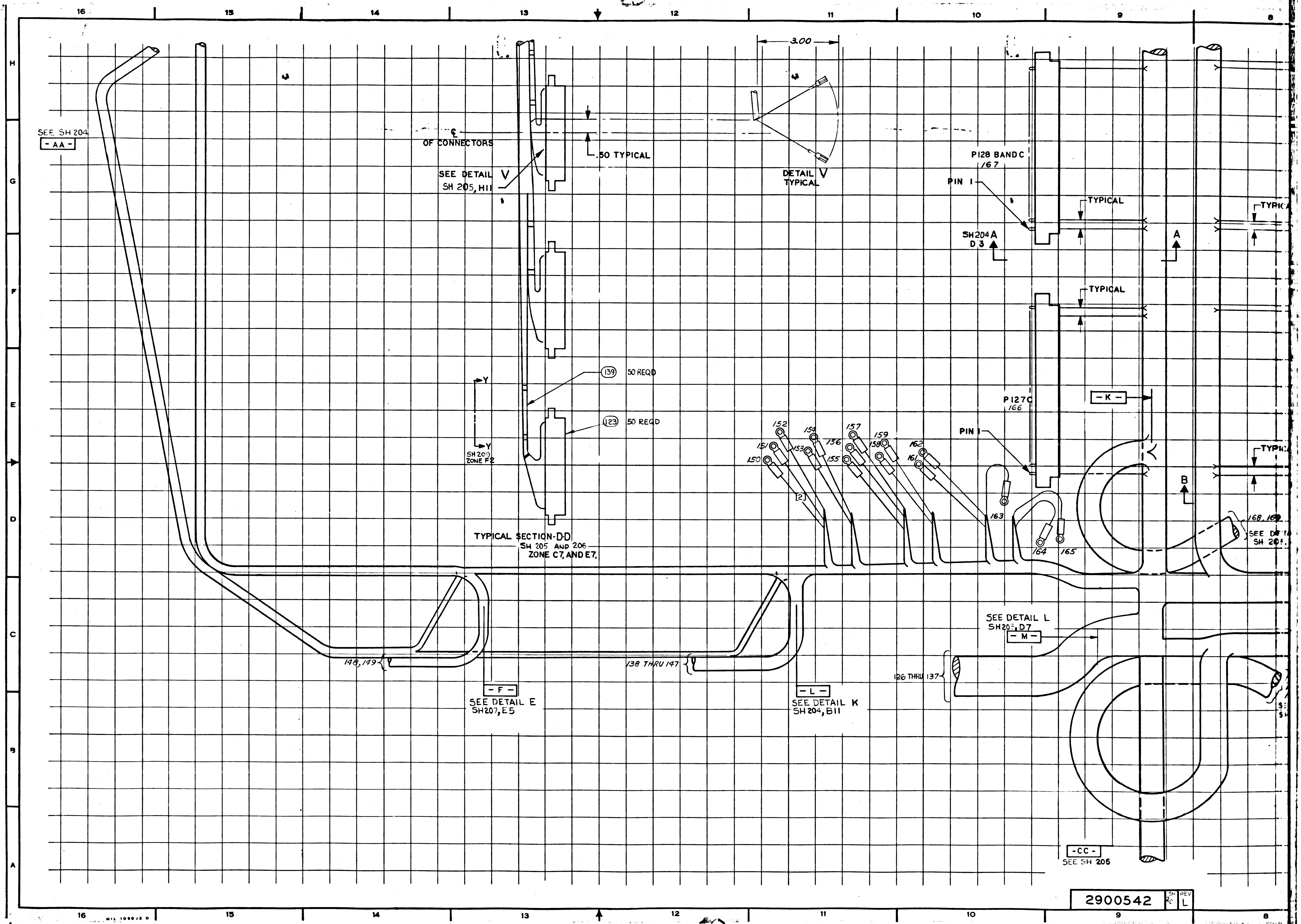
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P127C
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REV L

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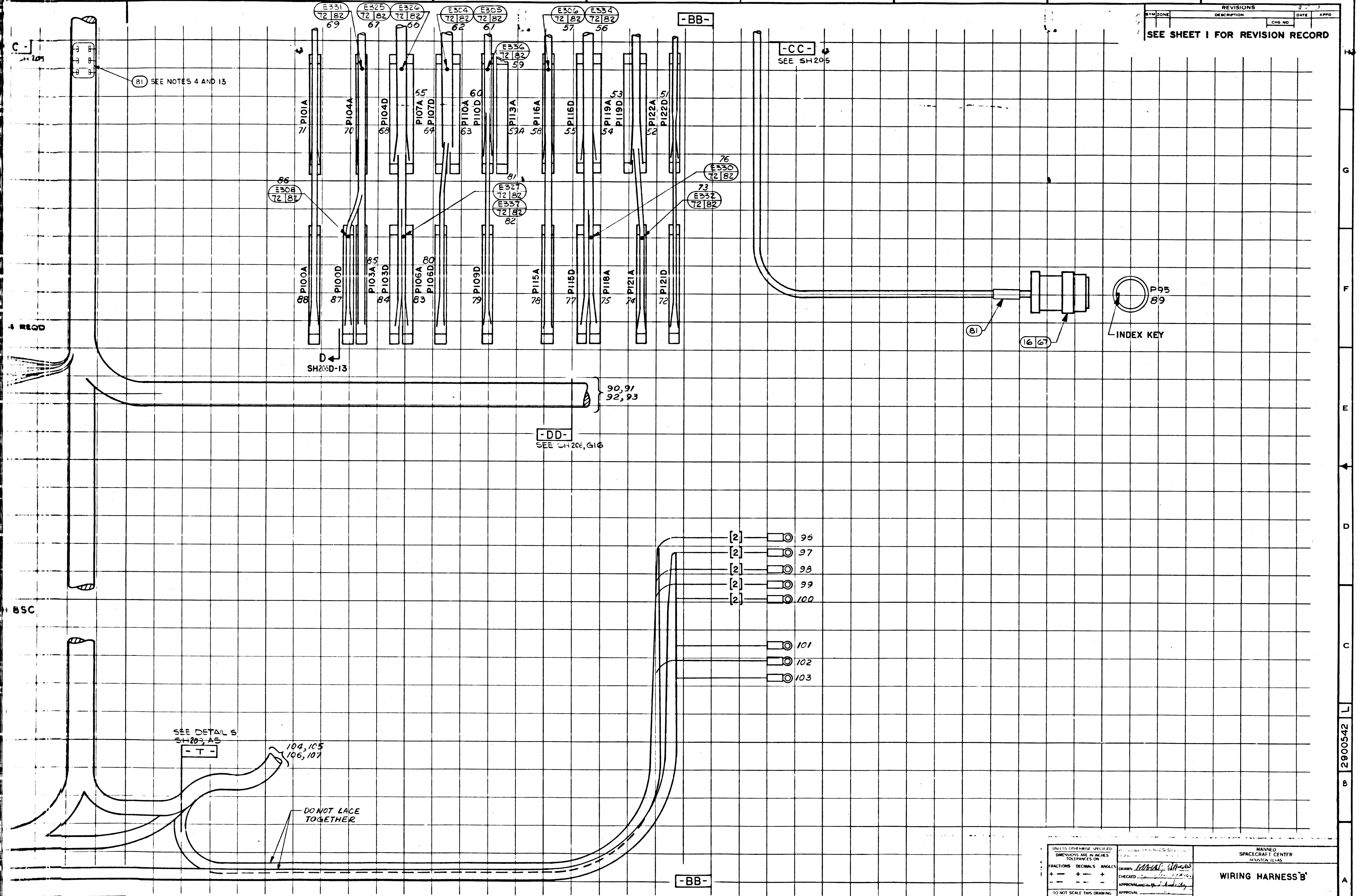
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD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P104A 70
P104D 68
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P107A
P107D 64
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P110A
P110D 63
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E332 72 82
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P103D 84
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P106A
P106D 83
P109D 79
P115A 78
P115D 77
P118A 75
P121A 74
P121D 72
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16 67
P95 89
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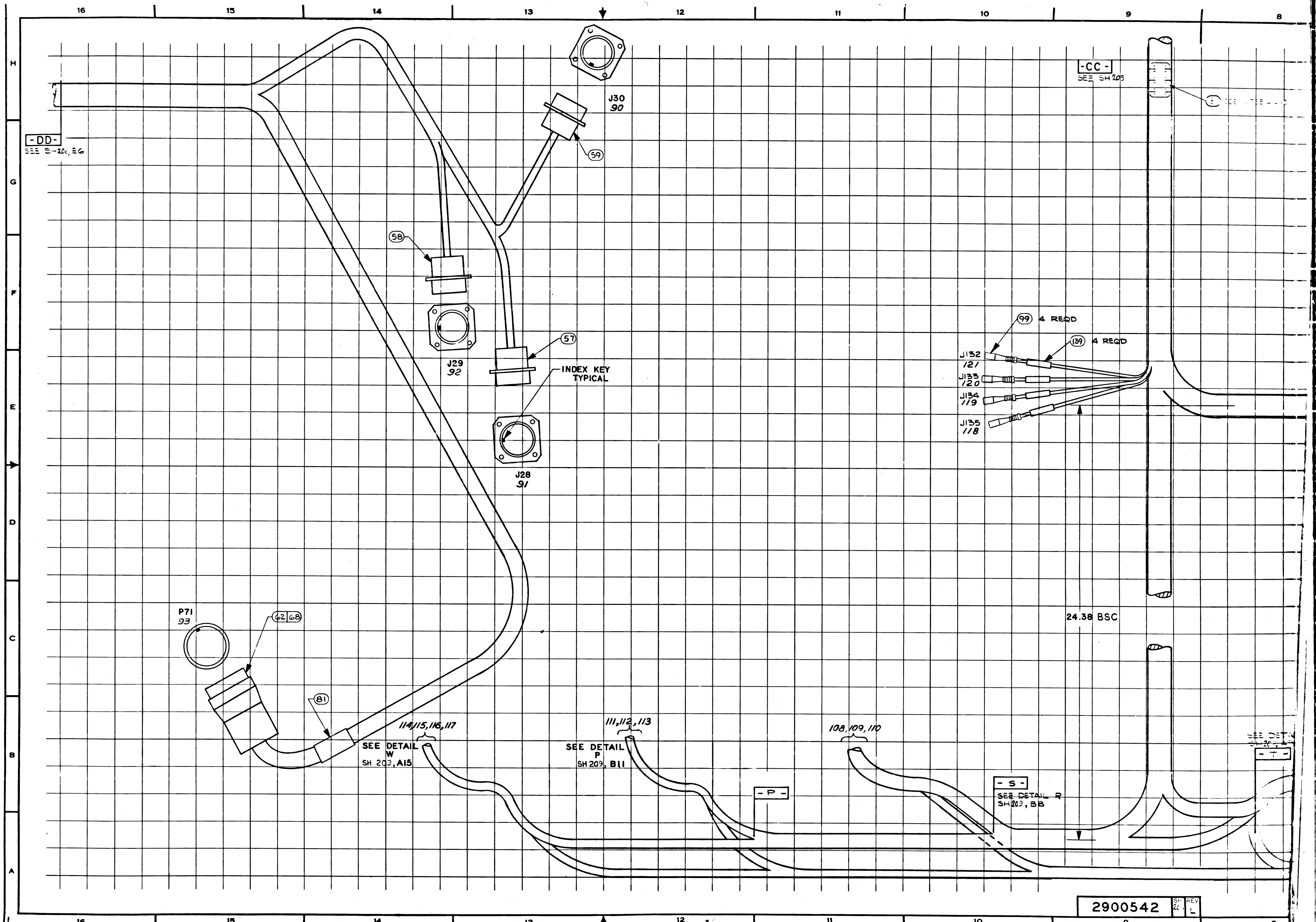
SEE SH206, G16
[2] 95
[2] 97
[2] 98
[2] 99
[2] 100
101
102
103
SEE DETAIL S
SH203, A5
-T-
104,105
106,107
DO NOT LACE TOGETHER
-BB-
9 8 7 6 5 4 3 2 1
H G F E D C B A
2900542
L

2900542 | SH 20 | REV L

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ±		MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN MAHAS DATE 11 Aug 65 CHECKED APPROVAL APPROVAL	WIRING HARNESS "B"
MATERIAL —	NASA APPROVAL	CODE IDENT NO 99974	SIZE J2	2900542
CONTRACT N259 497	MIT APPROVAL	SCALE FULL	SHEET 20 OF 20

2/2900542

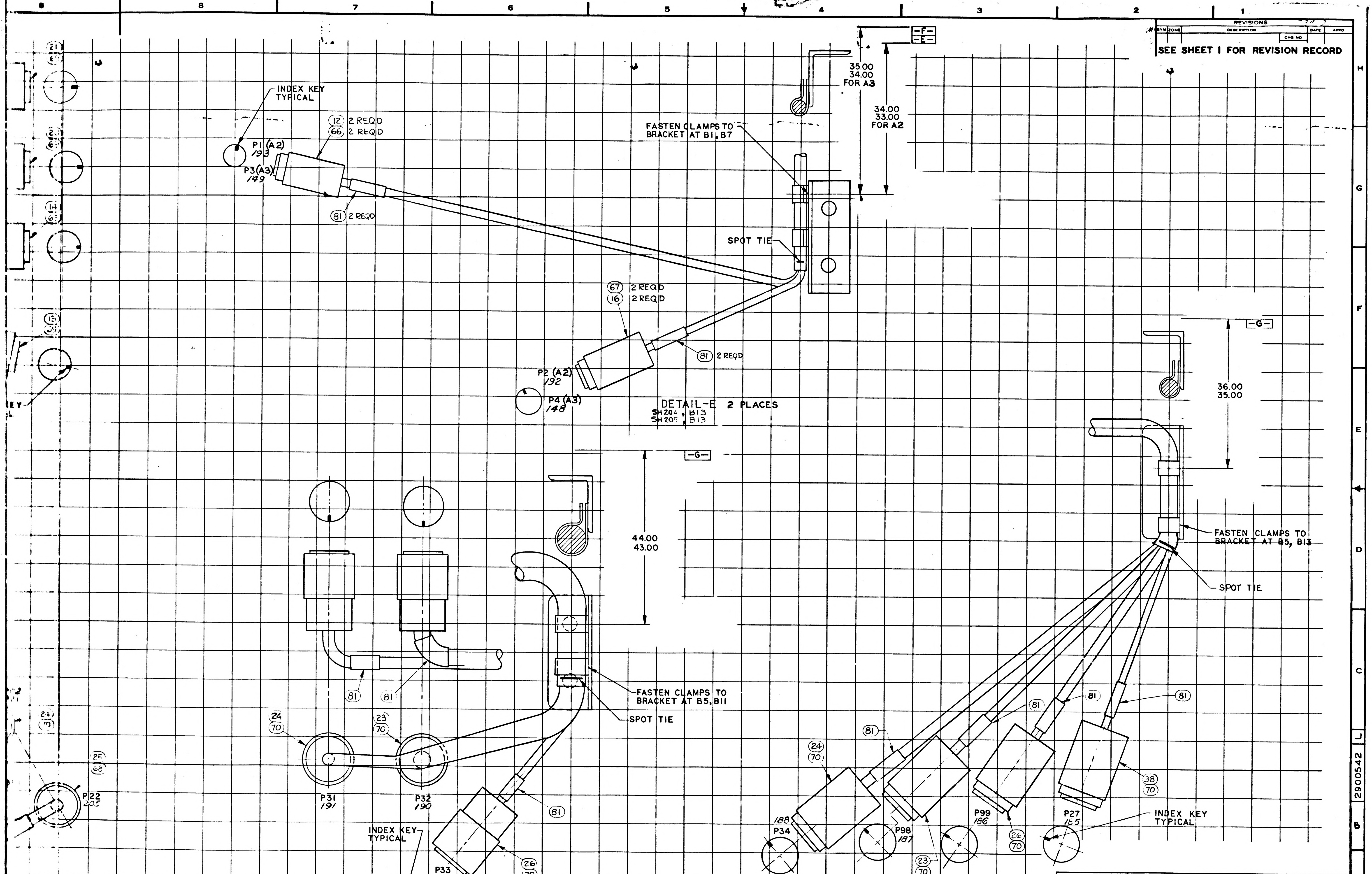

16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
-DD-
SEE S-206, E6
S800245
J30
90
59
-CC-
SEE SH 205
58
J29
92
57
INDEX KEY
TYPICAL
J28
91
99 4 REQD
139 4 REQD
J132
121
J133
120
J134
119
J135
118
24.38 BSC
P71
93
62
68
81
114,115,116,117
SEE DETAIL
W
SH 203, A15
111,112,113
SEE DETAIL
P
SH 209, B11
-P-
108,109,110
-S-
SEE DETAIL R
SH 203, BB
-T-
SEE DET

2900542	SH	REV
	[illegible]	L

1/2900542

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



INDEX KEY TYPICAL
(12) 2 REQ'D
(66) 2 REQ'D
P1 (A2) 193
P3 (A3) 149
(81) 2 REQD
-F-
-E-
35.00
34.00
FOR A3
34.00
33.00
FOR A2
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
(67) 2 REQ'D
(16) 2 REQ'D
(81) 2 REQD
P2 (A2) 192
P4 (A3) 148
DETAIL-E 2 PLACES
SH 204, B13
SH 205, B13
-G-
36.00
35.00
FASTEN CLAMPS TO BRACKET AT B5, B13
SPOT TIE
-G-
44.00
43.00
(81)
(81)
FASTEN CLAMPS TO BRACKET AT B5, B11
SPOT TIE
(24) (70)
(23) (70)
P31 191
P32 190
(81)
INDEX KEY TYPICAL
(26) (70)
P33 189
DETAIL-F
SH 204, B13
(81)
(81)
(81)
(81)
(81)
(24) (70)
(38) (70)
188
P34
P98 187
P99 186
P27 185
(23) (70)
(26) (70)
INDEX KEY TYPICAL
DETAIL-G
SH 204, B11
(21)
(25)
(14)
(13)
KEY
(24) (70)
(25) (68)
P22 205
900542 L SH 207

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ + +
- - -

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS9-4

AC ELECTRONICS DIVISION

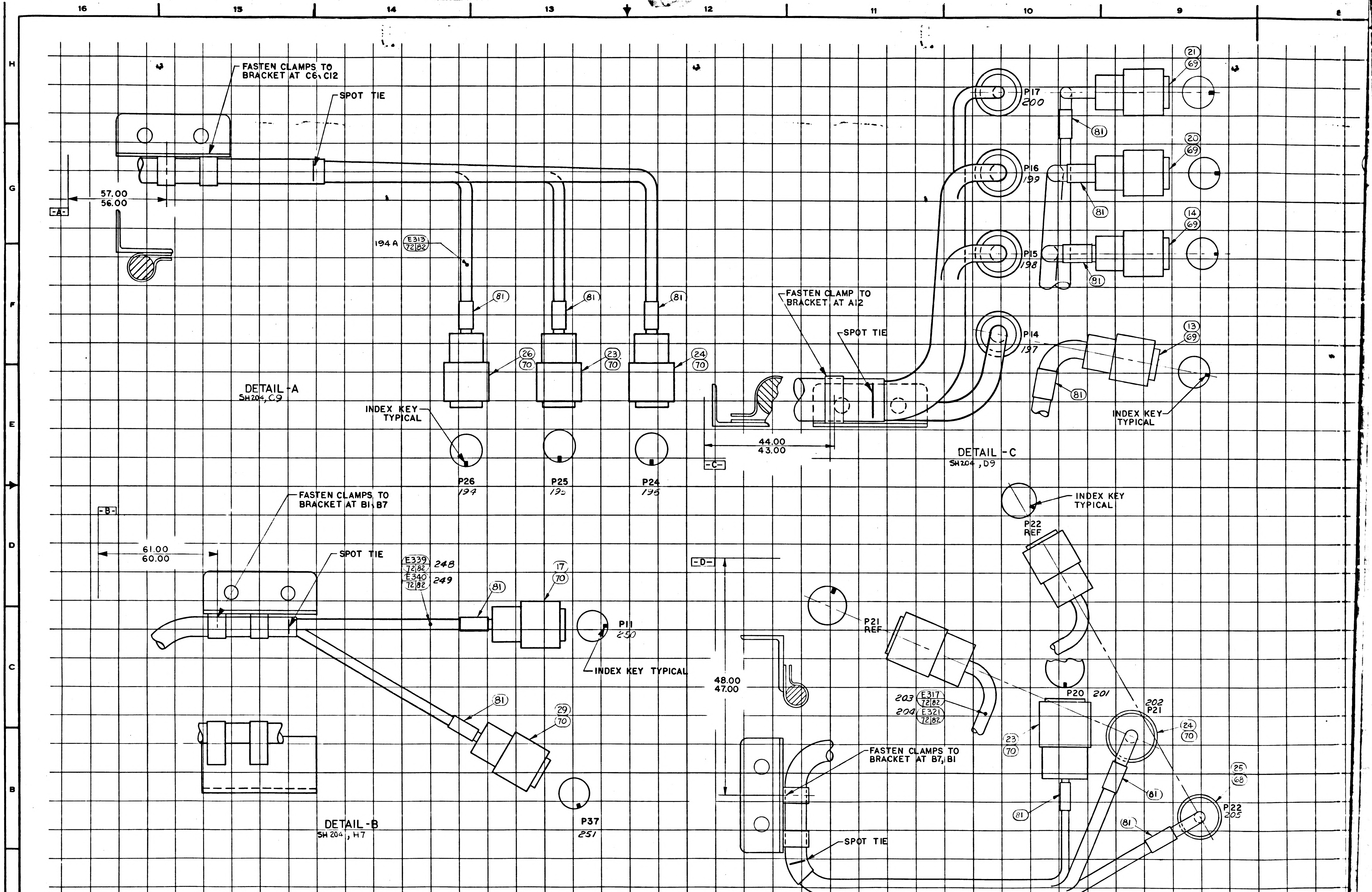
DRAWN HAHAS DATE
CHECKED 17 Aug
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS "B"

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 20 OF 20

2/2900542

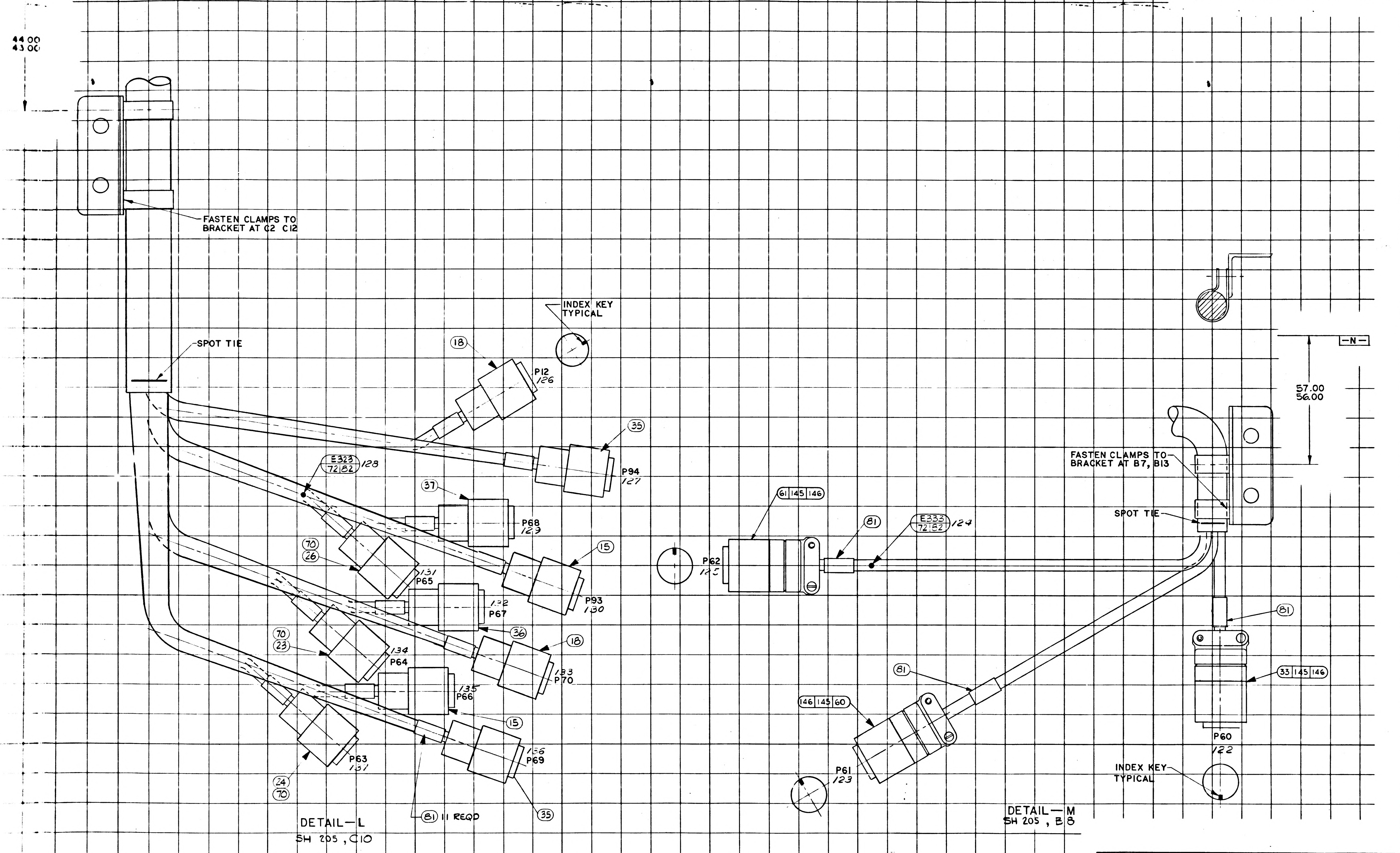

16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
FASTEN CLAMPS TO BRACKET AT C6, C12
SPOT TIE
57.00
56.00
-A-
194 A
E313
72 82
81
81
81
26
70
23
70
24
70
DETAIL -A
SH204, C9
INDEX KEY TYPICAL
P26
194
P25
195
P24
196
P17
200
P16
199
P15
198
P14
197
21
69
20
69
14
69
13
69
81
81
81
81
FASTEN CLAMP TO BRACKET AT A12
SPOT TIE
44.00
43.00
-C-
DETAIL -C
SH204, D9
INDEX KEY TYPICAL
INDEX KEY TYPICAL
P22
REF
-B-
FASTEN CLAMPS TO BRACKET AT B1, B7
SPOT TIE
61.00
60.00
E339
72 82
248
E340
72 82
249
81
17
70
P11
250
INDEX KEY TYPICAL
81
29
70
P37
251
DETAIL -B
SH 204, H7
-D-
48.00
47.00
P21
REF
203
E317
72 82
204
E321
72 82
P20
201
202
P21
24
70
23
70
25
68
P22
205
81
81
81
FASTEN CLAMPS TO BRACKET AT B7, B1
SPOT TIE
DETAIL - D
SH204, C7
MIL 1000 B D

2900542 REV L SH 207

172900542

REVISIONS 2241?				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET I FOR REVISION RECORD

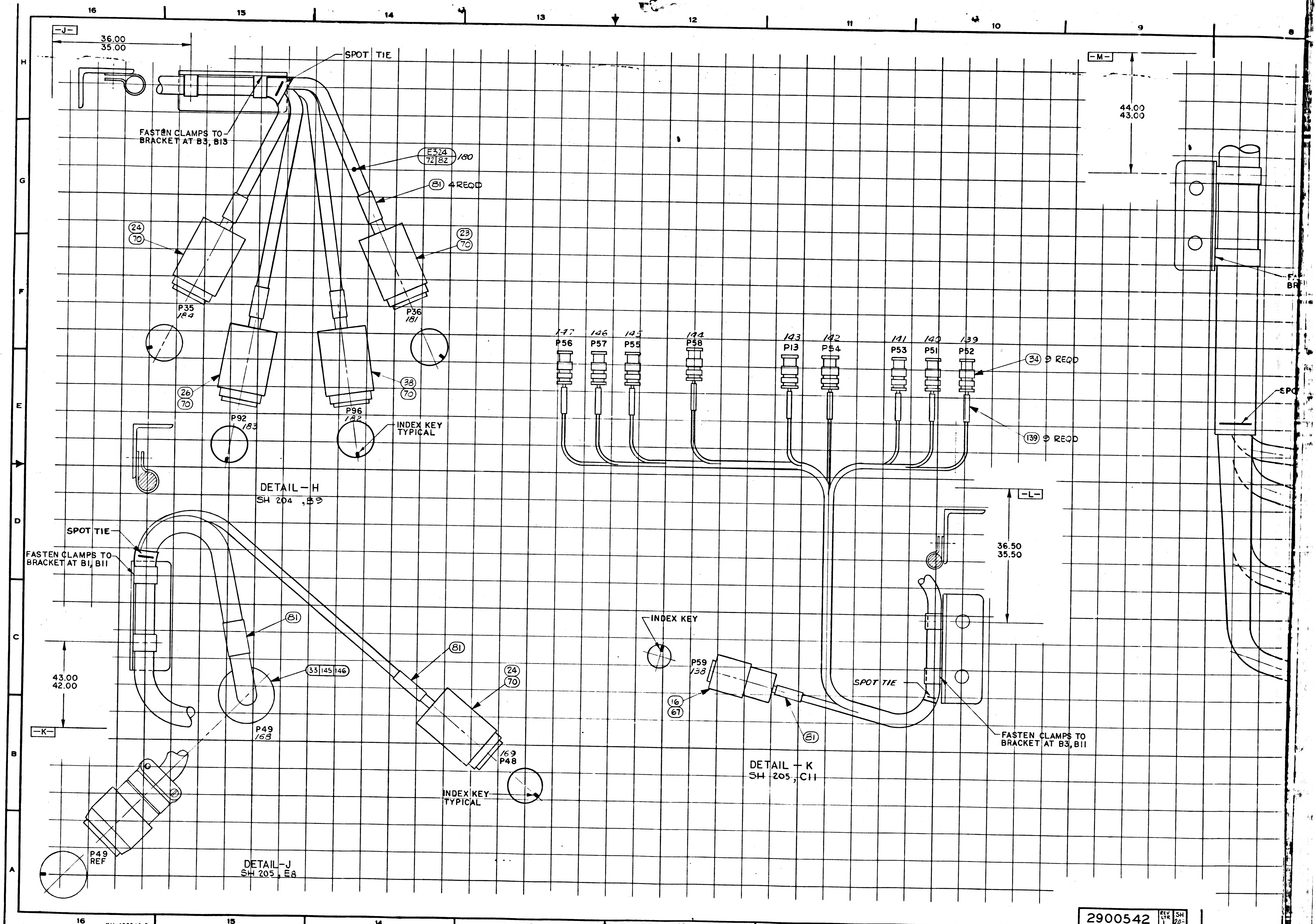


44.00
43.00
FASTEN CLAMPS TO BRACKET AT C2 C12
SPOT TIE
INDEX KEY TYPICAL
18
P12
126
35
P94
127
E323
72 82
128
37
P68
129
15
P93
130
70
26
131
P65
132
P67
36
70
23
134
P64
18
133
P70
135
P66
15
24
70
P63
137
136
P69
35
81 11 REQD
DETAIL—L
SH 205, C10
61 145 146
P62
125
81
E333
72 52
124
FASTEN CLAMPS TO BRACKET AT B7, B13
SPOT TIE
57.00
56.00
N
81
33 145 146
146 145 60
81
P61
123
P60
122
INDEX KEY TYPICAL
DETAIL—M
SH 205, B8

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + − + − + − − − −	ELECTRONICS DIVISION	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN MAHAE DATE 17 Aug 65 CHECKED APPROVAL APPROVAL	WIRING HARNESS B
MATERIAL —	NASA APPROVAL	CODE IDENT NO 99974 | SIZE J2 | 2900542
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL | SHEET 20 OF 20

900542 REV LTR L SH 20

2/2900542

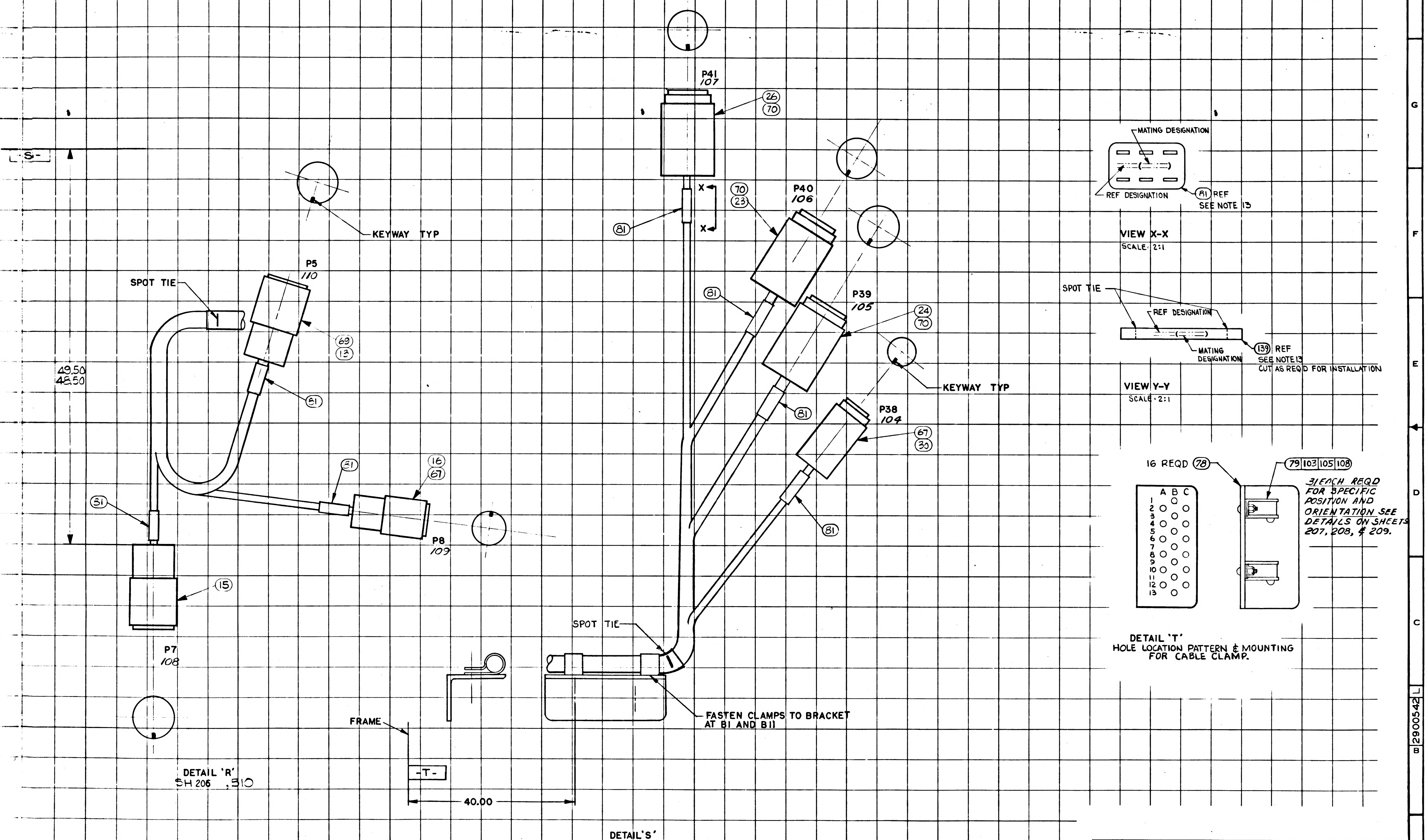

16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
-J-
36.00
35.00
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B13
E324
72 | 82
180
81 4 REQD
24
70
23
70
P35
184
P36
181
26
70
38
70
P92
183
P96
182
INDEX KEY
TYPICAL
DETAIL – H
SH 204 , B9
-M-
44.00
43.00
147 P56
146 P57
145 P55
144 P58
143 P13
142 P54
141 P53
140 P51
139 P52
34 9 REQD
139 9 REQD
-L-
36.50
35.50
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B1, B11
81
81
33 | 145 | 146
24
70
43.00
42.00
-K-
P49
168
169
P48
INDEX KEY
TYPICAL
P49
REF
DETAIL – J
SH 205 , E8
INDEX KEY
P59
138
16
67
81
SPOT TIE
FASTEN CLAMPS TO
BRACKET AT B3, B11
DETAIL – K
SH 205 , C11
SPO
FA
BR

2900542 REV LTR L SH 20-

1729005 42

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD


-S-
49.50
48.50
KEYWAY TYP
SPOT TIE
P5
110
(69)
(13)
(81)
(31)
(16)
(67)
P8
109
(51)
(15)
P7
108
DETAIL 'R'
SH 206 ,B10
P41
107
(26)
(70)
X
X
(81)
(70)
(23)
P40
106
(81)
P39
105
(24)
(70)
KEYWAY TYP
(81)
P38
104
(67)
(30)
(81)
SPOT TIE
FASTEN CLAMPS TO BRACKET AT B1 AND B11
FRAME
-T-
40.00
DETAIL 'S'
SH 206 , B8
MATING DESIGNATION
REF DESIGNATION
(81) REF
SEE NOTE 13
VIEW X-X
SCALE 2:1
SPOT TIE
REF DESIGNATION
MATING DESIGNATION
(139) REF
SEE NOTE 13
CUT AS REQ'D FOR INSTALLATION
VIEW Y-Y
SCALE 2:1
16 REQD (78)
(79|103|105|108)
A B C
1 2 3 4 5 6 7 8 9 10 11 12 13
31 EACH REQD FOR SPECIFIC POSITION AND ORIENTATION SEE DETAILS ON SHEETS 207, 208, & 209.
DETAIL 'T'
HOLE LOCATION PATTERN & MOUNTING FOR CABLE CLAMP.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS + − ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9 49,

AC ELECTRONICS DIVISION
DRAWN MAHAS DATE 17 AUG 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

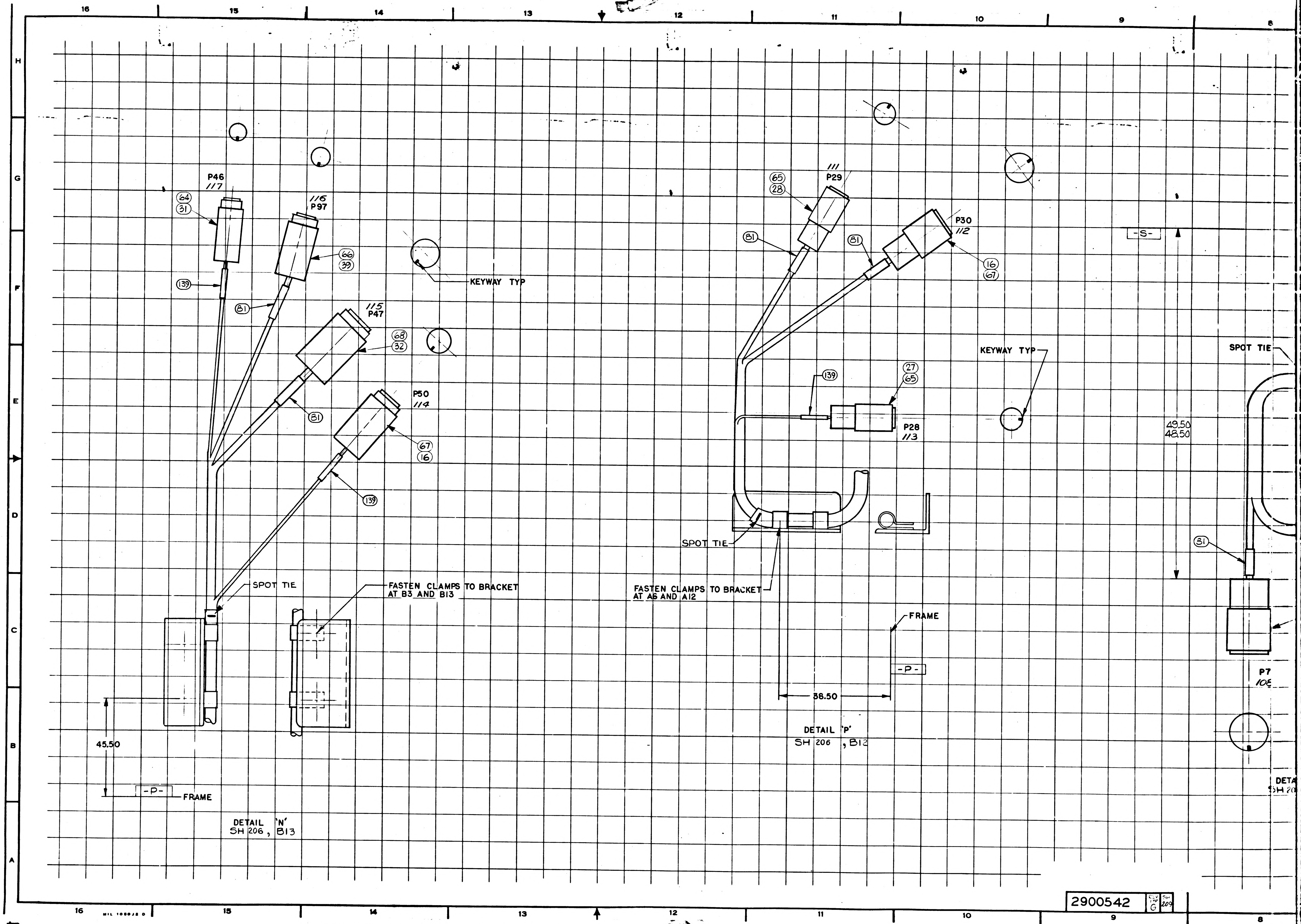
WIPING HARNESS 'B'

CODE IDENT NO 99974
SIZE J2
2900542
SCALE FULL
SHEET 205 OF 20

2900542 L

00542 G SH 209

2/2900542


16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
P46
117
64
31
139
116
P97
66
39
81
115
P47
68
32
81
P50
114
67
16
139
KEYWAY TYP
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT B3 AND B13
45.50
-P-
FRAME
DETAIL 'N'
SH 206 , B13
111
P29
65
28
81
81
P30
112
16
67
139
27
65
P28
113
SPOT TIE
FASTEN CLAMPS TO BRACKET
AT A6 AND A12
FRAME
-P-
38.50
DETAIL 'P'
SH 206 , B12
KEYWAY TYP
-S-
49.50
48.50
SPOT TIE
31
P7
108
DETA
SH 20
2900542
G
SH 209
MIL 1000/2 D

S800245

172900542

APPLICATION	
NEXT ASSY	USED ON
2900058-011	2900023-011

REVISIONS 23419

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REVISION + WITH CHANGE PER MXC-		
B	REPLACES REVISION "A" WITH CHANGE PER MXC-204783	15 SEP 65	JGL W.D.
C	REVISED PER MXC309802	16 OCT 65	R W.D.
D	REVISED PER MXC206187	19 OCT 65	LR W.D.
.E	INITIAL RELEASE CLASS A PER TDRR 23419	19 OCT 65	DKD CW

Ⓐ REPLACES REV + WITH CHANGE

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

REV STATUS	REV							E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN 28-JUN-63 DATE
CHECKED J. GRIEB 19 AUG 65
APPROVAL George J. Reed 19 Aug 65
APPROVAL 10/19/65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS E

CODE IDENT NO.	SIZE		REV
99974	A	2900545	E

SCALE NONE

SHEET 1 OF 74

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
44	E														
45	E														
46	E														
47	E														
48	E														
49	E														
50	E														
51	E														
52	E														
53	E														
54	E														
55	E														
56	E														
57	E														
58	E														
59	E														
60	E														
61	E														
62	E														
63	E														
64	E														
65	E														
66	E														
67	E														
68	E														
69	E														
70	E														
71	E														
72	E														
73	E														
74	E														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION	NASA DRAWING NO.
D	2900545

SHEET 2 OF 74

WIRING HARNESS E 2900545 E ~~8~~

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002032
B - ND1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 31.

4 INSTALL ITEM 9 ADJACENT TO ITEM 10 OR 29 ACCORDING TO LEAD CHART DATA.

5 FASTEN MARKER SECURELY TC CONFORM TO CONFIGURATION USING ITEM 31.

6 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

7 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED. HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

8 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

9 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

10 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS- COLOR BLACK.

11 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 3 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~8~~

NOTE GENERAL NOTES

NUMBER DESCRIPTION

14 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

15 ASSEMBLE PER ND1002032.

16 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
X - COAX OUTER CONDUCTOR

17 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .19 INCH HIGH CHARACTERS, COLOR BLACK, HOT IMPRESSION STAMP PER ND1002019.

18 USE ITEM 30 AS REQUIRED TO PROVIDE CLAMPING

19 MARK IDENTIFICATION SLEEVE WITH REFERENCE DESIGNATION AS NOTED .12 INCH HIGH CHARACTERS, COLOR BLACK, HOT IMPRESSION STAMP PER ND1002019. CUT AS REQUIRED FOR INSTALLATION.

20 CONNECTORS MUST HAVE A MINIMUM OF 3 CONTACT POSITIONS FILLED IN HOLES 1 THRU 10 AND 23 THRU 32. TO MEET THIS REQUIREMENT USE CRIMPED UNWIRED CONTACTS IN HOLES 1,2,3 AND 30,31,32.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 4 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~8~~

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 5 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~8~~C

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900545-001	WIRE, ND1002181 TYPE 1, CLASS 1, 22 AWG WHT
	2	1	2900545-002	WIRE, ND1002181 TYPE 2, CLASS 4, WHT JACKET 24 AWG WHT/BLU, WHT/RED
	3	1	2900545-003	CABLE, RF, COAXIAL MIL-C-17 RG-188/U
11	4	2	MS3126F24-61S	(1897048-610) CONNECTOR-PLUG, ELEC
11	5	1	MS3126F24-61SW	(1897048-611) CONNECTOR-PLUG, ELEC
11	6	2	MS3126F24-61SX	(1897048-612) CONNECTOR-PLUG, ELEC
11	7	1	MS3126F24-61SY	(1897048-613) CONNECTOR-PLUG, ELEC
11	8	1	MS3126F24-61SZ	(1897048-614) CONNECTOR-PLUG, ELEC
8	9	190	1010490-228	INSULATION-SLEEVING, ELECTRICAL
8	10	172	1010763- 2	SLEEVE, SOLDER
8	11	392	1897266-001	CONTACT, RECEPTACLE, ELEC
8	12	23	1897267-001	CONNECTOR, RECEPTACLE, ELECTRICAL
11	13	1	MS3127E22-55S	(1897054-550) CONNECTOR-RECEPTACLE, ELEC
11	14	1	MS3127E20-41SW	(1897052-411) CONNECTOR-RECEPTACLE, ELEC
	15		MS3193A20A	(1896877-020) CONTACT, ELECTRICAL (FURNISHED WITH ITEMS 4,5,6,7,8,13 AND 14)
	16	1	2900545-004	WIRE, ND1002181 TYPE 1, CLASS 1, 20 AWG WHT
	17	1	2900545-005	WIRE, ND1002181 TYPE 1, CLASS 1, 16 AWG WHT

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~C | SHEET 6 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~8~~

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	18	171	1010490-196	INSULATION-SLEEVING, ELECTRICAL
8	19	12	1010490-226	INSULATION-SLEEVING,ELECTRICAL
8	20	6	1016006-003	SPLICE-REDUCER
8	21	1	1016369-720	MALE CONTACT,PIN
8	22	1	1016281-181	CONTACT, SOCKET
8	23	5	1897356-001	RETAINER ELEC. CONN.-COAXIAL PIN
	24		1015908- 21	DELETED
	25		1015908- 41	DELETED
	26		1015908- 51	DELETED
8	27	7	1016282- 24	GROMMET,CONNECTOR STRAIN RELIEF
8	28	8	1016128-001	BAND-IDENTIFICATION BLANK
	29		1010763- 2	DELETED
	30	AR	2900543-006	INSULATION ELEC,MIL-I-631 TYPE F,FORM S .62 INCH WIDE X .040 INCH THICK,GRADE A,CLASS I BLACK
	31	AR	MIL-T-713	LACING TAPE,TYPE P,CLASS2,BLACK(ES2732-1,NO.18)
8	32	1	1015902- 49	TERMINAL-LUG
	33	4	1016369-388	CONTACT, INNER FEMALE
	34	4	1016369-288	CONTACT, OUTER MALE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 7 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	35	4	1016369-588	HYRING
	36	6	1010490-224	INSULATION-SLEEVING, ELEC
	37	12	1016006-002	SPLICE-REDUCER
	38	15	1016006-001	SPLICE-REDUCER
	39	28	1015864-462	SLEEVE
	40	1	1897266-004	CONTACT, RECEPTACLE, ELEC

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 8 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E	1	2			2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E	1B	1	—	E137-B SHLD E1	70			.25 .25	NO NO			
E	1L			P9-V* J3-P	26 32			.22 .22	NO NO		15 15	
E	1R			P9-U* J3-N	26 32			.22 .22	NO NO		15 15	
E	2	2			2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E	2B	1		E100-B SHLD E2	38			.25 .25	NO NO			
E	2L			P9-LL P100B-20	26 1			.22 .12	NO NO		15 11	
E	2R			P9-KK P100B-19	26 1			.22 .12	NO NO		15 11	
E	3	2			2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E	3B	1		P101B-31 SHLD E3	2			.12 .25	NO NO		11	
E	3L			P9-NN P101B-2	26 2			.22 .12	NO NO		15 11	
E	3R			P9-MM P101B-1	26 2			.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 9 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E	4	2			2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E	4B	1		E138-B SHLD E4	69			.25 .25	NO NO			
E	4L			P9-GG J4-P	26 31			.22 .22	NO NO		15 15	
E	4R			P9-FF J4-N	26 31			.22 .22	NO NO		15 15	
E	5	2			2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E	5B	1		E127-B SHLD E5	61			.25 .25	NO NO			
E	5L			P9-CC P115B-12	26 16			.22 .12	NO NO		15 11	
E	5R			P9-BB P115B-11	26 16			.22 .12	NO NO		15 11	
E	6	2			2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E	6B	1		E136-B SHLD E6	68			.25 .25	NO NO			
E	6L			P9-R P122B-26	26 23			.22 .12	NO NO		15 11	
E	6R			P9-P P122B-25	26 23			.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 10 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 7	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 7B	1		E127-B SHLD E7	61				.25 .25	NO NO			
E 7L			P9-N P115B-10	26 16				.22 .12	NO NO		15 11	
E 7R			P9-M P115B-9	26 16				.22 .12	NO NO		15 11	
E 8	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 8B	1		E103-B SHLD E8	40				.25 .25	NO NO			
E 8L			P9-X* P101B-4	26 2				.22 .12	NO NO		15 11	
E 8R			P9-W* P101B-3	26 2				.22 .12	NO NO		15 11	
E 9	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 9B	1		E103-B SHLD E9	40				.25 .25	NO NO			
E 9L			P9-Z* P101B-12	26 2				.22 .12	NO NO		15 11	
E 9R			P9-Y* P101B-11	26 2				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 11 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 10	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 10B	1		E105-B SHLD E10	41				.25 .25	NO NO			
E 10L			P9-J* P102B-16	26 3				.22 .12	NO NO		15 11	
E 10R			P9-H* P102B-15	26 3				.22 .12	NO NO		15 11	
E 11	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 11B	1		E100-B SHLD E11	38				.25 .25	NO NO			
E 11L			P9-JJ P100B-12	26 1				.22 .12	NO NO		15 11	
E 11R			P9-HH P100B-11	26 1				.22 .12	NO NO		15 11	
E 12	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 12B	1		E119-B SHLD E12	54				.25 .25	NO NO			
E 12L			P9-V P110B-30	26 11				.22 .12	NO NO		15 11	
E 12R			P9-U P110B-29	26 11				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 12 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 13	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 13B	1		E103-B SHLD E13	40				.25 .25	NO NO			
E 13L			P9-N* P101B-20	26 2				.22 .12	NO NO		15 11	
E 13R			P9-M* P101B-19	26 2				.22 .12	NO NO		15 11	
E 14	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 14B	1		E120-B SHLD E14	55				.25 .25	NO NO			
E 14L			P9-G P110B-24	26 11				.22 .12	NO NO		15 11	
E 14R			P9-F P110B-23	26 11				.22 .12	NO NO		15 11	
E 15	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 15B	1		E111-B SHLD E15	47				.25 .25	NO NO			
E 15L			P9-X P105B-8	26 6				.22 .12	NO NO		15 11	
E 15R			P9-W P105B-7	26 6				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 13 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 16	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 16B	1		E134-B SHLD E16	66				.25 .25	NO NO			
E 16L			P9-R* P120B-28	26 21				.22 .12	NO NO		15 11	
E 16R			P9-P* P120B-27	26 21				.22 .12	NO NO		15 11	
E 17	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 17B	1		E120-B SHLD E17	55				.25 .25	NO NO			
E 17L			P9-C P110B-16	26 11				.22 .12	NO NO		15 11	
E 17R			P9-B P110B-15	26 11				.22 .12	NO NO		15 11	
E 18	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 18B	1		E114-B SHLD E18	49				.25 .25	NO NO			
E 18L			P9-C* P107B-28	26 8				.22 .12	NO NO		15 11	
E 18R			P9-B* P107B-27	26 8				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 14 OF 74

MIL 2084 4-63

WIRING HARNESS E   2900545   E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 19	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 19B	1		E109-B SHLD E19	45				.25 .25	NO NO			
E 19L			P9-E* P104B-22	26 5				.22 .12	NO NO		15 11	
E 19R			P9-D* P104B-21	26 5				.22 .12	NO NO		15 11	
E 20	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 20B	1		E100-B SHLD E20	38				.25 .25	NO NO			
E 20L			P9-EE P100B-2	26 1				.22 .12	NO NO		15 11	
E 20R			P9-DD P100B-1	26 1				.22 .12	NO NO		15 11	
E 21	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 21B	1		E118-B SHLD E21	53				.25 .25	NO NO			
E 21L			P9-J P109B-28	26 10				.22 .12	NO NO		15 11	
E 21R			P9-H P109B-27	26 10				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 15 OF 74

MIL 2084 4-63

WIRING HARNESS E   2900545   E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 22	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 22B	1		E118-B SHLD E22	53				.25 .25	NO NO			
E 22L			P9-E P109B-6	26 10				.22 .12	NO NO		15 11	
E 22R			P9-D P109B-5	26 10				.22 .12	NO NO		15 11	
E 23	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 23B	1		P102B-31 SHLD E23	3				.12 .25	NO NO		11	
E 23L			P9-I P102B-2	26 3				.22 .12	NO NO		15 11	
E 23R			P9-S P102B-1	26 3				.22 .12	NO NO		15 11	
E 24	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 24B	1		E105-B SHLD E24	41				.25 .25	NO NO			
E 24L			P9-G* P102B-30	26 3				.22 .12	NO NO		15 11	
E 24R			P9-F* P102B-29	26 3				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 16 OF 74

MIL 2084 4-63

WIRING HARNESS E   2900545   E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 25	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 25B	1		E100-B SHLD E25	38				.25 .25	NO NO			
E 25L			P9-T* P100B-14	26 1				.22 .12	NO NO		15 11	
E 25R			P9-S* P100B-13	26 1				.22 .12	NO NO		15 11	
E 26	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 26B	1		E137-B SHLD E26	70				.25 .25	NO NO			
E 26L			P10-PP J3-B	25 32				.22 .22	NO NO		15 15	
E 26R			P10-AA J3-A	25 32				.22 .22	NO NO		15 15	
E 27	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 27B	1		E137-B SHLD E27	70				.25 .25	NO NO			
E 27L			P10-A* J3-E	25 32				.22 .22	NO NO		15 15	
E 27R			P10-A J3-D	25 32				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 17 OF 74

MIL 2084 4-63

WIRING HARNESS E   2900545   E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 28	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 28B	1		E108-B SHLD E28	44				.25 .25	NO NO			
E 28L			P10-LL P104B-2	25 5				.22 .12	NO NO		15 11	
E 28R			P10-KK P104B-1	25 5				.22 .12	NO NO		15 11	
E 29	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 29B	1		E108-B SHLD E29	44				.25 .25	NO NO			
E 29L			P10-NN P104B-20	25 5				.22 .12	NO NO		15 11	
E 29R			P10-MM P104B-19	25 5				.22 .12	NO NO		15 11	
E 30	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 30B	1		E138-B SHLD E30	69				.25 .25	NO NO			
E 30L			P10-K* J4-B	25 31				.22 .22	NO NO		15 15	
E 30R			P10-I* J4-A	25 31				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 18 OF 74

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WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG		ESSORY IS	REMARKS
E 31	2				2.25 2.25	2.00 2.00				3 10, 9	
E 31B	1		E138-B SHLD E31	69				.25 .25 N			
E 31L			P10-Z J4-E	25 31				.22 NO .22 NO		15 15	
E 31R			P10-Y J4-D	25 31				.22 NO .22 NO		15 15	
E 32	2				2.25 4.00	2.00 3.75			A,7 B,6A	18 10, 9	
E 32B	1		E103-B SHLD E32	40				.25 NO .25 NO			
E 32L			P10-X* P101B-24	25 2				.22 NO .12 NO		15 11	
E 32R			P10-m* P101B-23	25 2				.22 NO .12 NO		15 11	
E 33	2				2.25 4.00	2.00 3.75			A,7 B,6A	18 10, 9	
E 33B	1		E103-B SHLD E33	40				.25 NO .25 NO			
E 33L			P10-Z* P101B-18	25 2				.22 NO .12 NO		15 11	
E 33R			P10-Y* P101B-17	25 2				.22 NO .12 NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E-8 | SHEET 19 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 34	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 34B	1		E103-B SHLD E34	40				.25 .25	NO NO			
E 34L			P10-CC P101B-16	25 2				.22 .12	NO NO		15 11	
E 34R			P10-BB P101B-15	25 2				.22 .12	NO NO		15 11	
E 35	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 35B	1		E103-B SHLD E35	40				.25 .25	NO NO			
E 35L			P10-EE P101B-30	25 2				.22 .12	NO NO		15 11	
E 35R			P10-DD P101B-29	25 2				.22 .12	NO NO		15 11	
E 36	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 36B	1		E101-B SHLD E36	39				.25 .25	NO NO			
E 36L			P10-JJ P100B-30	25 1				.22 .12	NO NO		15 11	
E 36R			P10-HH P100B-29	25 1				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E-8 | SHEET 20 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 37	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 37B	1		E101-B SHLD E37	39				.25 .25	NO NO			
E 37L			P10-GG P100B-24	25 1				.22 .12	NO NO		15 11	
E 37R			P10-FF P100B-23	25 1				.22 .12	NO NO		15 11	
E 38	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 38B	1		E110-B SHLD E38	44				.25 .25	NO NO			
E 38L			P10-E* P105B-28	25 6				.22 .12	NO NO		15 11	
E 38R			P10-D* P105B-27	25 6				.22 .12	NO NO		15 11	
E 39	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 39B	1		E105-B SHLD E39	41				.25 .25	NO NO			
E 39L			P10-G* P102B-28	25 3				.22 .12	NO NO		15 11	
E 39R			P10-F* P102B-27	25 3				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E-8 | SHEET 21 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E [illegible]

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 40	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 40B	1		E136-B SHLD E40	68				.25 .25	NO NO			
E 40L			P10-J* P122B-10	25 23				.22 .12	NO NO		15 11	
E 40R			P10-H* P122B-9	25 23				.22 .12	NO NO		15 11	
E 41	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 41B	1		E~~[illegible]~~116-B SHLD E41	~~44~~ 51				.25 .25	NO NO			
E 41L			P10-R* P108B-16	25 9				.22 .12	NO NO		15 11	
E 41R			P10-P* P108B-15	25 9				.22 .12	NO NO		15 11	
E 42	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 42B	1		E106-B SHLD E42	42				.25 .25	NO NO			
E 42L			P10-T* P103B-2	25 4				.22 .12	NO NO		15 11	
E 42R			P10-S* P103B-1	25 4				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E [illegible] | SHEET 22 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 43	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 43B	1		E110-B SHLD E43	44				.25 .25	NO NO			
E 43L			P10-L P105B-30	25 6				.22 .12	NO NO		15 11	
E 43R			P10-K P105B-29	25 6				.22 .12	NO NO		15 11	
E 44	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 44B	1		E110-B SHLD E44	44				.25 .25	NO NO			
E 44L			P10-X P105B-24	25 6				.22 .12	NO NO		15 11	
E 44R			P10-W P105B-23	25 6				.22 .12	NO NO		15 11	
E 45	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 45B	1		E119-B SHLD E45	54				.25 .25	NO NO			
E 45L			P10-C P110B-10	25 11				.22 .12	NO NO		15 11	
E 45R			P10-B P110B-9	25 11				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 23 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 46	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 46B	1		E114-B SHLD E46	49				.25 .25	NO NO			
E 46L			P10-E P107B-4	25 8				.22 .12	NO NO		15 11	
E 46R			P10-D P107B-3	25 8				.22 .12	NO NO		15 11	
E 47	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 47B	1		E112-B SHLD E47	48				.25 .25	NO NO			
E 47L			P10-N P106B-24	25 7				.22 .12	NO NC		15 11	
E 47R			P10-M P106B-23	25 7				.22 .12	NO NO		15 11	
E 48	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 48B	1		E112-B SHLD E48	48				.25 .25	NO NO			
E 48L			P10-R P106B-28	25 7				.22 .12	NO NO		15 11	
E 48R			P10-P P106B-27	25 7				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 24 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 49	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 49B	1		E112-B SHLD E49	48				.25 .25	NO NO			
E 49L			P10-G P106B-4	25 7				.22 .12	NO NO		15 11	
E 49R			P10-F P106B-3	25 7				.22 .12	NO NO		15 11	
E 50	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 50B	1		E112-B SHLD E50	48				.25 .25	NO NO			
E 50L			P10-J P106B-12	25 7				.22 .12	NO NO		15 11	
E 50R			P10-H P106B-11	25 7				.22 .12	NO NO		15 11	
E 51	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 51B	1		E112-B SHLD E51	48				.25 .25	NO NO			
E 51L			P10-T P106B-16	25 7				.22 .12	NO NO		15 11	
E 51R			P10-S P106B-15	25 7				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 25 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 52	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 52B	1		E112-B SHLD E52	48				.25 .25	NO NO			
E 52L			P10-V P106B-6	25 7				.22 .12	NO NO		15 11	
E 52R			P10-U P106B-5	25 7				.22 .12	NO NO		15 11	
E 53	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 53B	1		E106-B SHLD E53	42				.25 .25	NO NO			
E 53L			P10-V* P103B-20	25 4				.22 .12	NO NO		15 11	
E 53R			P10-U* P103B-19	25 4				.22 .12	NO NO		15 11	
E 54	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 54B	1		E116-B SHLD E54	51				.25 .25	NO NO			
E 54L			P10-C* P108B-4	25 9				.22 .12	NO NO		15 11	
E 54R			P10-B* P108B-3	25 9				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 26 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 55	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 55B	1		E116-8 SHLD E55	51				.25 .25	NO NO			
E 55L			P10-N* P108B-6	25 9				.22 .12	NO NO		15 11	
E 55R			P10-M* P108B-5	25 9				.22 .12	NO NO		15 11	
E 56	1		P82-S* P115B-25	24 16				.22 .12	NO NO		15 11	
E 57	1		P82-T* P115B-26	24 16				.22 .12	NO NO		15 11	
E 58	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 58B	1		E129-B SHLD E58	63				.25 .25	NO NO			
E 58L			P82-J P116B-12	24 17				.22 .12	NO NO		15 11	
E 58R			P82-M P116B-11	24 17				.22 .12	NO NO		15 11	
E 59	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 59B	1		E129-B SHLD E59	63				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 27 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 59L			P82-L P116B-18	24 17				.22 .12	NO NO		15 11	
E 59R			P82-K P116B-17	24 17				.22 .12	NO NO		15 11	
E 60	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 60B	1		E129-B SHLD E60	63				.25 .25	NO NO			
E 60L			P82-C* P116B-28	24 17				.22 .12	NO NO		15 11	
E 60R			P82-B* P116B-27	24 17				.22 .12	NO NO		15 11	
E 61	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 61B	1		E129-B SHLD E61	63				.25 .25	NO NO			
E 61L			P82-E* P116B-30	24 17				.22 .12	NO NO		15 11	
E 61R			P82-D* P116B-29	24 17				.22 .12	NO NO		15 11	
E 62	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 62B	1		E128-B SHLD E62	62				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 28 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 62L			P82-G* P116B-24	24 17				.22 .12	NO NO		15 11	
E 62R			P82-F* P116B-23	24 17				.22 .12	NO NO		15 11	
E 63	17		P82-A P131-1	24 33				.25 .19	NO NO		22 21	
E 64	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 64B	1		E128-B SHLD E64	62				.25 .25	NO NO			
E 64L			P82-J* P116B-16	24 17				.22 .12	NO NO		15 11	
E 64R			P82-H* P116B-15	24 17				.22 .12	NO NO		15 11	
E 65	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 65B	1		E128-B SHLD E65	62				.25 .25	NO NO			
E 65L			P82-X* P116B-22	24 17				.22 .12	NO NO		15 11	
E 65R			P82-W* P116B-21	24 17				.22 .12	NO NO		15 11	
E 66	1		P82-Q* E128-B	24 62				.22 .25	NO NO		15	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 29 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 67	1		P105B-1 P82-U*	6 24				.12 .22	NO NO		11 15	
E 68	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 68B	1		E100-B SHLD E68	38				.25 .25	NO NO			
E 68L			P82-D P100B-10	24 1				.22 .12	NO NO		15 11	
E 68R			P82-E P100B-9	24 1				.22 .12	NO NO		15 11	
E 69	1		P82-HH P114B-7	24 15				.22 .12	NO NO		15 11	
E 70	1		P82-JJ P114B-8	24 15				.22 .12	NO NO		15 11	
E 71	1		P82-KK P114B-13	24 15				.22 .12	NO NO		15 11	
E 72	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 72B	1		E109-B SHLD E72	45				.25 .25	NO NO			
E 72L			P82-F P104B-8	24 5				.22 .12	NO NO		15 11	
E 72R			P82-G P104B-7	24 5				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE REV LTR E SHEET 30 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 73	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 73B	1		E108-B SHLD E73	44				.25 .25	NO NO			
E 73L			P82-B P104B-10	24 5				.22 .12	NO NO		15 11	
E 73R			P82-C P104B-9	24 5				.22 .12	NO NO		15 11	
E 74	1		P82-P J3-M*	24 32				.22 .22	NO NO		15 15	
E 75	1		P82-R J3-Z*	24 32				.22 .22	NO NO		15 15	
E 76	1		P82-S J3-Y*	24 32				.22 .22	NO NO		15 15	
E 77	1		P82-T J3-X*	24 32				.22 .22	NO NO		15 15	
E 78	1		P82-U J3-J*	24 32				.22 .22	NO NO		15 15	
E 79	1		P82-V J3-I*	24 32				.22 .22	NO NO		15 15	
E 80	1		P82-W J3-H*	24 32				.22 .22	NO NO		15 15	
E 81	1		P82-X J3-G*	24 32				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 31 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 82	3				4.00 .52	3.75 .23				B,6B A,10	9, 29 34, 35	
E 82A	1		SHLD E82 P82-BB	 28				.25 .22	NO NO		 15	
E 82E			P82-AA P133-1	28 35				.44 .11	NO NO		15 33	
E 82X			SHLD E82 P133-2	 35								
E [illegible]	3				4.00 .52	3.75 .23				B,6B A,10	9, 29 34, 35	
E 83A	1		SHLD E83 P82-Z*	 24				.25 .22	NO NO		 15	
E 83E			P82-Y* P132-1	24 34				.44 .11	NO NO		15 33	
E 83X			SHLD E83 P132-2	 34								
E 84	1		P82-M* J3-EE	24 32				.22 .22	NO NO		15 15	
E 85	1		P82-N* J3-W*	24 32				.22 .22	NO NO		15 15	
E 86	1		P82-P* J3-FF	24 32				.22 .22	NO NO		15 15	
E 87	1		P82-R* J3-GG	24 32				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 32 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 88	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 88B	1		E137-B SHLD E88	70				.25 .25	NO NO			
E 88L			P83-Z* J3-Q*	30 32				.22 .22	NO NO		15 15	
E 88R			P83-Y* J3-P*	30 32				.22 .22	NO NO		15 15	
E 89	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 89B	1		E137-B SHLD E89	70				.25 .25	NO NO			
E 89L			P83-V* J3-T*	30 32				.22 .22	NO NO		15 15	
E 89R			P83-U* J3-S*	30 32				.22 .22	NO NO		15 15	
E 90	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 90B	1		P106B-31 SHLD E90	7				.12 .25	NO NO		11	
E 90L			P83-LL P106B-20	30 7				.22 .12	NO NO		15 11	
E 90R			P83-KK P106B-19	30 7				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 33 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 91	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 91B	1		E115-B SHLD E91	50				.25 .25	NO NO			
E 91L			P83-NN P107B-20	30 8				.22 .12	NO NO		15 11	
E 91R			P83-MM P107B-19	30 8				.22 .12	NO NO		15 11	
E 92	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 92B	1		E138-B SHLD E92	69				.25 .25	NO NO			
E 92L			P83-J* J4-J*	30 31				.22 .22	NO NO		15 15	
E 92R			P83-H* J4-V	30 31				.22 .22	NO NO		15 15	
E 93	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 93B	1		E138-B SHLD E93	69				.25 .25	NO NO			
E 93L			P83-GG J4-N*	30 31				.22 .22	NO NO		15 15	
E 93R			P83-FF J4-M*	30 31				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 34 OF 74

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 94	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 94B	1		E116-B SHLD E94	51				.25 .25	NO NO			
E 94L			P83-T* P108B-2	30 9				.22 .12	NO NO		15 11	
E 94R			P83-S* P108B-1	30 9				.22 .12	NO NO		15 11	
E 95	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 95B	1		E126-B SHLD E95	60				.25 .25	NO NO			
E 95L			P83-CC P114B-10	30 15				.22 .12	NO NO		15 11	
E 95R			P83-BB P114B-9	30 15				.22 .12	NO NO		15 11	
E 96	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 96B	1		E119-B SHLD E96	54				.25 .25	NO NO			
E 96L			P83-G* P110B-2	30 11				.22 .12	NO NO		15 11	
E 96R			P83-F* P110B-1	30 11				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900545	
SCALE-NONE	REV LTR E	SHEET 35 OF 74	

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 97	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 97B	1		E121-B SHLD E97	56				.25 .25	NO NO			
E 97L			P83-C* P111B-20	30 12				.22 .12	NO NO		15 11	
E 97R			P83-B* P111B-19	30 12				.22 .12	NO NO		15 11	
E 98	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 98B	1		E121-B SHLD E98	56				.25 .25	NO NO			
E 98L			P83-N* P111B-2	30 12				.22 .12	NO NO		15 11	
E 98R			P83-M* P111B-1	30 12				.22 .12	NO NO		15 11	
E 99	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 99B	1		E119-B SHLD E99	54				.25 .25	NO NO			
E 99L			P83-X P110B-20	30 11				.22 .12	NO NO		15 11	
E 99R			P83-W P110B-19	30 11				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900545	
SCALE-NONE	REV LTR E	SHEET 36 OF 74	

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 100	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 100B	1		E117-B SHLD E100	52				.25 .25	NO NO			
E 100L			P83-EE P109B-26	30 10				.22 .12	NO NO		15 11	
E 100R			P83-DD P109B-25	30 10				.22 .12	NO NO		15 11	
E 101	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 101B	1		E115-B SHLD E101	50				.25 .25	NO NO			
E 101L			P83-C P107B-24	30 8				.22 .12	NO NO		15 11	
E 101R			P83-B P107B-23	30 8				.22 .12	NO NO		15 11	
E 102	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 102B	1		E115-B SHLD E102	50				.25 .25	NO NO			
E 102L			P83-N P107B-22	30 8				.22 .12	NO NO		15 11	
E 102R			P83-M P107B-21	30 8				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900545	
SCALE-NONE	REV LTR E	SHEET 37 OF 74	

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 103	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 103B	1		E117-B SHLD E103	52				.25 .25	NO NO			
E 103L			P83-JJ P109B-2	30 10				.22 .12	NO NO		15 11	
E 103R			P83-HH P109B-1	30 10				.22 .12	NO NO		15 11	
E 104	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 104B	1		E115-B SHLD E104	50				.25 .25	NO NO			
E 104L			P83-E P107B-16	30 8				.22 .12	NO NO		15 11	
E 104R			P83-D P107B-15	30 8				.22 .12	NO NO		11	
E 105	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 105B	1		E115-B SHLD E105	50				.25 .25	NO NO			
E 105L			P83-T P107B-12	30 8				.22 .12	NO NO		15 11	
E 105R			P83-S P107B-11	30 8				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900545	
SCALE-NONE	REV LTR E	SHEET 38 OF 74	

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WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 106	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 106B	1		E117-B SHLD E106	52				.25 .25	NO NO			
E 106L			P83-J P109B-20	30 10				.22 .12	NO NO		15 11	
E 106R			P83-H P109B-19	30 10				.22 .12	NO NO		15 11	
E 107	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 107B	1		E108-B SHLD E107	44				.25 .25	NO NO			
E 107L			P83-X* P104B-4	30 5				.22 .12	NO NO		15 11	
E 107R			P83-W* P104B-3	30 5				.22 .12	NO NO		15 11	
E 108	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 108B	1		E136-B SHLD E108	68				.25 .25	NO NO			
E 108L			P83-V P122B-30	30 23				.22 .12	NO NO		15 11	
E 108R			P83-U P122B-29	30 23				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 39 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 109	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 109B	1		E117-B SHLD E109	52				.25 .25	NO NO			
E 109L			P83-G P109B-4	30 10				.22 .12	NO NO		15 11	
E 109R			P83-F P109B-3	30 10				.22 .12	NO NO		15 11	
E 110	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 110B	1		E110-B SHLD E110	44				.25 .25	NO NO			
E 110L			P83-L P105B-4	30 6				.22 .12	NO NO		15 11	
E 110R			P83-K P105B-3	30 6				.22 .12	NO NO		15 11	
E 111	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 111B	1		E117-B SHLD E111	52				.25 .25	NO NO			
E 111L			P83-R P109B-10	30 10				.22 .12	NO NO		15 11	
E 111R			P83-P P109B-9	30 10				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 40 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 112	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 112B	1		E123-B SHLD E112	58				.25 .25	NO NO			
E 112L			P83-E* P112B-20	30 13				.22 .12	NO NO		15 11	
E 112R			P83-D* P112B-19	30 13				.22 .12	NO NO		15 11	
E 113	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 113B	1		E123-B SHLD E113	58				.25 .25	NO NO			
E 113L			P83-R* P112B-2	30 13				.22 .12	NO NO		15 11	
E 113R			P83-P* P112B-1	30 13				.22 .12	NO NO		15 11	
E 114	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 114B	1		E137-B SHLD E114	70				.25 .25	NO NO			
E 114L			P84-V* J3-L	28 32				.22 .22	NO NO		15 15	
E 114R			P84-U* J3-K	28 32				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 41 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 115	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 115B	1		E125-B SHLD E115	59				.25 .25	NO NO			
E 115L			P84-LL P114B-20	28 15				.22 .12	NO NO		15 11	
E 115R			P84-KK P114B-19	28 15				.22 .12	NO NO		15 11	
E 116	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 116B	1		E127-B SHLD E116	61				.25 .25	NO NO			
E 116L			P84-NN P115B-2	28 16				.22 .12	NO NO		15 11	
E 116R			P84-MM P115B-1	28 16				.22 .12	NO NO		15 11	
E 117	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 117B	1		E138-B SHLD E117	69				.25 .25	NO NO			
E 117L			P84-GG J4-L	28 31				.22 .22	NO NO		15 15	
E 117R			P84-FF J4-K	28 31				.22 .22	NO NO		15 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 42 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 118	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 118B	1		E103-B SHLD E118	40				.25 .25	NO NO			
E 118L			P84-X* P101B-22	28 2				.22 .12	NO NO		15 11	
E 118R			P84-W* P101B-21	28 2				.22 .12	NO NO		15 11	
E 119	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 119B	1		E107-B SHLD E119	43				.25 .25	NO NO			
E 119L			P84-N P103B-24	28 4				.22 .12	NO NO		15 11	
E 119R			P84-M P103B-23	28 4				.22 .12	NO NO		15 11	
E 120	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 120B	1		E101-B SHLD E120	39				.25 .25	NO NO			
E 120L			P84-Z* P100B-22	28 1				.22 .12	NO NO		15 11	
E 120R			P84-Y* P100B-21	28 1				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E | SHEET 43 OF 74

MIL 2064 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 121	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 121B	1		E126-B SHLD E121	60				.25 .25	NO NO			
E 121L			P84-CC P114B-4	28 15				.22 .12	NO NO		15 11	
E 121R			P84-BB P114B-3	28 15				.22 .12	NO NO		15 11	
E 122	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 122B	1		E129-B SHLD E122	63				.25 .25	NO NO			
E 122L			P84-R* P116B-20	28 17				.22 .12	NO NO		15 11	
E 122R			P84-P* P116B-19	28 17				.22 .12	NO NO		15 11	
E 123	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 123B	1		E122-B SHLD E123	57				.25 .25	NO NO			
E 123L			P84-T P111B-10	28 12				.22 .12	NO NO		15 11	
E 123R			P84-S P111B-9	28 12				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E | SHEET 44 OF 74

MIL 2064 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 124	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 124B	1		E128-B SHLD E124	62				.25 .25	NO NO			
E 124L			P84-N* P116B-2	28 17				.22 .12	NO NO		15 11	
E 124R			P84-M* P116B-1	28 17				.22 .12	NO NO		15 11	
E 125	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 125B	1		E120-B SHLD E125	55				.25 .25	NO NO			
E 125L			P84-G P110B-22	28 11				.22 .12	NO NO		15 11	
E 125R			P84-F P110B-21	28 11				.22 .12	NO NO		15 11	
E 126	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 126B	1		E108-B SHLD E126	44				.25 .25	NO NO			
E 126L			P84-X P104B-30	28 5				.22 .12	NO NO		15 11	
E 126R			P84-W P104B-29	28 5				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E | SHEET 45 OF 74

MIL 2064 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 127	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 127B	1		E120-B SHLD E127	55				.25 .25	NO NO			
E 127L			P84-C P110B-18	28 11				.22 .12	NO NO		15 11	
E 127R			P84-B P110B-17	28 11				.22 .12	NO NO		15 11	
E 128	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 128B	1		E114-B SHLD E128	49				.25 .25	NO NO			
E 128L			P84-C* P107B-30	28 8				.22 .12	NO NO		15 11	
E 128R			P84-B* P107B-29	28 8				.22 .12	NO NO		15 11	
E 129	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 129B	1		E127-B SHLD E129	61				.25 .25	NO NO			
E 129L			P84-EE P115B-20	28 16				.22 .12	NO NO		15 11	
E 129R			P84-DD P115B-19	28 16				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545

SCALE-NONE | REV LTR E | SHEET 46 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 130	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 130B	1		P113B-31 SHLD E130	14				.12 .25	NO NO		11	
E 130L			P84-R P113B-2	28 14				.22 .12	NO NO		15 11	
E 130R			P84-P P113B-1	28 14				.22 .12	NO NO		15 11	
E 131	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 131B	1		E116-B SHLD E131	51				.25 .25	NO NO			
E 131L			P84-E* P108B-28	28 9				.22 .12	NO NO		15 11	
E 131R			P84-D* P108B-27	28 9				.22 .12	NO NO		15 11	
E 132	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 132B	1		E118-B SHLD E132	53				.25 .25	NO NO			
E 132L			P84-J P109B-22	28 10				.22 .12	NO NO		15 11	
E 132R			P84-H P109B-21	28 10				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E-8 | SHEET 47 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 133	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 133B	1		E100-B SHLD E133	38				.25 .25	NO NO			
E 133L			P84-T* P100B-6	28 1				.22 .12	NO NO		15 11	
E 133R			P84-S* P100B-5	28 1				.22 .12	NO NO		15 11	
E 134	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 134B	1		E108-B SHLD E134	44				.25 .25	NO NO			
E 134L			P84-V P104B-6	28 5				.22 .12	NO NO		15 11	
E 134R			P84-U P104B-5	28 5				.22 .12	NO NO		15 11	
E 135	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 135B	1		E105-B SHLD E135	41				.25 .25	NO NO			
E 135L			P84-G* P102B-24	28 3				.22 .12	NO NO		15 11	
E 135R			P84-F* P102B-23	28 3				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E-8 | SHEET 48 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 136	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 136B	1		E116-B SHLD E136	51				.25 .25	NO NO			
E 136L			P84-E P108B-30	28 9				.22 .12	NO NO		15 11	
E 136R			P84-D P108B-29	28 9				.22 .12	NO NO		15 11	
E 137	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 137B	1		E125-B SHLD E137	59				.25 .25	NO NO			
E 137L			P84-J* ~~P1140-2~~ P113B-10	28 ~~15~~ 14				.22 .12	NO NO		15 11	
E 137R			P84-H* ~~P1140-1~~ P113B-9	28 ~~15~~ 14				.22 .12	NO NO		15 11	
E 138	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 138B	1		E105-B SHLD E138	41				.25 .25	NO NO			
E 138L			P84-JJ P102B-6	28 3				.22 .12	NO NO		15 11	
E 138R			P84-HH P102B-5	28 3				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~8~~ | SHEET 49 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E-8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 139	1		P84-Z P122B-15	28 23				.22 .12	NO NO		15 11	
E 140	1		P84-Y P122B-16	28 23				.22 .12	NO NO		15 11	
E 141	1		P84-K* P122B-17	28 23				.22 .12	NO NO		15 11	
E 142	1		P84-I* P122B-18	28 23				.22 .12	NO NO		15 11	
E 143	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 143B	1		E137-B SHLD E143	70				.25 .25	NO NO			
E 143L			P85-V* J3-H	29 32				.22 .22	NO NO		15 15	
E 143R			P85-U* J3-G	29 32				.22 .22	NO NO		15 15	
E 144	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 144B	1		E135-B SHLD E144	67				.25 .25	NO NO			
E 144L			P85-R* P121B-2	29 22				.22 .12	NO NO		15 11	
E 144R			P85-P* P121B-1	29 22				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E-8 | SHEET 50 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 145	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 145B	1		E135-B SHLD E145	67				.25 .25	NO NO			
E 145L			P85-NN P121B-10	29 22				.22 .12	NO NO		15 11	
E 145R			P85-MM P121B-9	29 22				.22 .12	NO NO		15 11	
E 146	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 146B	1		E138-B SHLD E146	69				.25 .25	NO NO			
E 146L			P85-GG J4-H	29 31				.22 .22	NO NO		15 15	
E 146R			P85-FF J4-G	29 31				.22 .22	NO NO		15 15	
E 147	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 147B	1		E103-B SHLD E147	40				.25 .25	NO NO			
E 147L			P85-Z* P101B-28	29 2				.22 .12	NO NO		15 11	
E 147R			P85-Y* P101B-27	29 2				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E ~~B~~
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MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 148	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 148B	1		E132-B SHLD E148	64				.25 .25	NO NO			
E 148L			P85-R P118B-2	29 19				.22 .12	NO NO		15 11	
E 148R			P85-P P118B-1	29 19				.22 .12	NO NO		15 11	
E 149	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 149B	1		E132-B SHLD E149	64				.25 .25	NO NO			
E 149L			P85-X P118B-20	29 19				.22 .12	NO NO		15 11	
E 149R			P85-W P118B-19	29 19				.22 .12	NO NO		15 11	
E 150	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 150B	1		E133-B SHLD E150	65				.25 .25	NO NO			
E 150L			P85-J* P119B-20	29 20				.22 .12	NO NO		15 11	
E 150R			P85-H* P119B-19	29 20				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E ~~B~~
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WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 151	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 151B	1		E101-B SHLD E151	39				.25 .25	NO NO			
E 151L			P85-X* P100B-28	29 1				.22 .12	NO NO		15 11	
E 151R			P85-W* P100B-27	29 1				.22 .12	NO NO		15 11	
E 152	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 152B	1		E126-B SHLD E152	60				.25 .25	NO NO			
E 152L			P85-CC P114B-6	29 15				.22 .12	NO NO		15 11	
E 152R			P85-BB P114B-5	29 15				.22 .12	NO NO		15 11	
E 153	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 153B	1		E136-B SHLD E153	68				.25 .25	NO NO			
E 153L			P85-T* P122B-28	29 23				.22 .12	NO NO		15 11	
E 153R			P85-S* P122B-27	29 23				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E ~~B~~
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MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~BD~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 154	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 154B	1		E110-B SHLD E154	44				.25 .25	NO NO			
E 154L			P85-L P105B-18	29 6				.22 .12	NO NO		15 11	
E 154R			P85-K P105B-17	29 6				.22 .12	NO NO		15 11	
E 155	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 155B	1		E122-B SHLD E155	57				.25 .25	NO NO			
E 155L			P85-T P111B-6	29 12				.22 .12	NO NO		15 11	
E 155R			P85-S P111B-5	29 12				.22 .12	NO NO		15 11	
E 156	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 156B	1		P113B-31 ~~P117B-32~~ SHLD E156	14 ~~10~~				.12 .25	NO NO		~~11~~	
E 156L			P85-N* ~~P117B-2~~ P111B-24	29 ~~10~~ 12				.22 .12	NO NO		15 11	
E 156R			P85-M* ~~P117B-1~~ P111B-23	29 ~~10~~ 12				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E ~~BD~~
SHEET 54 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 157	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 157B	1		E108-B SHLD E157	44				.25 .25	NO NO			
E 157L			P85-V P104B-28	29 5				.22 .12	NO NO		15 11	
E 157R			P85-U P104B-27	29 5				.22 .12	NO NO		15 11	
E 158	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 158B	1		P117B-31 SHLD E158	18				.12 .25	NO NO			
E 158L			P85-N P117B-20	29 18				.22 .12	NO NO		15 11	
E 158R			P85-M P117B-19	29 18				.22 .12	NO NO		15 11	
E 159	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 159B	1		E138-B SHLD E159	51				.25 .25	NO NO			
E 159L			P85-E* P108B-22	29 ~~22~~ 9				.22 .12	NO NO		15 11	
E 159R			P85-D* P108B-21	29 ~~22~~ 9				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900545

SCALE - NONE

REV LTR E

SHEET 55 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 160	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 160B	1		E105-B SHLD E160	41				.25 .25	NO NO			
E 160L			P85-G* P102B-22	29 3				.22 .12	NO NO		15 11	
E 160R			P85-F* P102B-21	29 3				.22 .12	NO NO		15 11	
E 161	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 161B	1		E135-B SHLD E161	67				.25 .25	NO NO			
E 161L			P85-EE P121B-4	29 22				.22 .12	NO NO		15 11	
E 161R			P85-DD P121B-3	29 22				.22 .12	NO NO		15 11	
E 162	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 162B	1		E112-B SHLD E162	48				.25 .25	NO NO			
E 162L			P85-C P106B-30	29 7				.22 .12	NO NO		15 11	
E 162R			P85-B P106B-29	29 7				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900545

SCALE - NONE

REV LTR E

SHEET 56 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 163	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 163B	1		E112-B SHLD E163	48				.25 .25	NO NO			
E 163L			P85-E P106B-22	29 7				.22 .12	NO NO		15 11	
E 163R			P85-D P106B-21	29 7				.22 .12	NO NO		15 11	
E 164	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 164B	1		E112-B SHLD E164	48				.25 .25	NO NO			
E 164L			P85-G P106B-10	29 7				.22 .12	NO NO		15 11	
E 164R			P85-F P106B-9	29 7				.22 .12	NO NO		15 11	
E 165	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 165B	1		E112-B SHLD E165	48				.25 .25	NO NO			
E 165L			P85-J P106B-18	29 7				.22 .12	NO NO		15 11	
E 165R			P85-H P106B-17	29 7				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900545

SCALE - NONE

REV LTR E

SHEET 57 OF 74

MIL 2084 4-63

WIRING HARNESS E

2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 166	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 166B	1		E116-B SHLD E166	51				.25 .25	NO NO			
E 166L			P85-C* P108B-10	29 9				.22 .12	NO NO		15 11	
E 166R			P85-B* P108B-9	29 9				.22 .12	NO NO		15 11	
E 167	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 167B	1		E135-B SHLD E167	67				.25 .25	NO NO			
E 167L			P85-LL P121B-8	29 22				.22 .12	NO NO		15 11	
E 167R			P85-KK P121B-7	29 22				.22 .12	NO NO		15 11	
E 168	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 168B	1		E105-B SHLD E168	41				.25 .25	NO NO			
E 168L			P85-JJ P102B-4	29 3				.22 .12	NO NO		15 11	
E 168R			P85-HH P102B-3	29 3				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900545

SCALE - NONE

REV LTR E

SHEET 58 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 169	1		P85-Z P122B-11	29 23				.22 .12	NO NO		15 11	
E 170	1		P85-Y P122B-12	29 23				.22 .12	NO NO		15 11	
E 171	1		P85-K* P122B-13	29 23				.22 .12	NO NO		15 11	
E 172	1		P85-I* P122B-14	29 23				.22 .12	NO NO		15 11	
E 173	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 173B	1		E137-B SHLD E173	70				.25 .25	NO NO			
E 173L			P86-V* J3-T	27 32				.22 .22	NO NO		15 15	
E 173R			P86-U* J3-S	27 32				.22 .22	NO NO		15 15	
E 174	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 174B	1		E135-B SHLD E174	67				.25 .25	NO NO			
E 174L			P86-LL P121B-16	27 22				.22 .12	NO NO		15 11	
E 174R			P86-KK P121B-15	27 22				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 59 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 175	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 175B	1		E135-B SHLD E175	67				.25 .25	NO NO			
E 175L			P86-NN P121B-20	27 22				.22 .12	NO NO		15 11	
E 175R			P86-MM P121B-19	27 22				.22 .12	NO NO		15 11	
E 176	2				2.25 2.25	2.00 2.00				A,7 B,6A	18 10, 9	
E 176B	1		E138-B SHLD E176	69				.25 .25	NO NO			
E 176L			P86-GG J4-T	27 31				.22 .22	NO NO		15 15	
E 176R			P86-FF J4-S	27 31				.22 .22	NO NO		15 15	
E 177	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 177B	1		E127-B SHLD E177	61				.25 .25	NO NO			
E 177L			P86-CC P115B-28	27 16				.22 .12	NO NO		15 11	
E 177R			P86-BB P115B-27	27 16				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 60 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 178	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 178B	1		E103-B SHLD E178	40				.25 .25	NO NO			
E 178L			P86-Z* P101B-10	27 2				.22 .12	NO NO		15 11	
E 178R			P86-Y* P101B-9	27 2				.22 .12	NO NO		15 11	
E 179	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 179B	1		E103-B SHLD E179	40				.25 .25	NO NO			
E 179L			P86-X* P101B-6	27 2				.22 .12	NO NO		15 11	
E 179R			P86-W* P101B-5	27 2				.22 .12	NO NO		15 11	
E 180	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 180B	1		E107-B SHLD E180	43				.25 .25	NO NO			
E 180L			P86-G* P103B-28	27 4				.22 .12	NO NO		15 11	
E 180R			P86-F* P103B-27	27 4				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 61 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 181	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 181B	1		E100-B SHLD E181	38				.25 .25	NO NO			
E 181L			P86-JJ P100B-26	27 1				.22 .12	NO NO		15 11	
E 181R			P86-HH P100B-25	27 1				.22 .12	NO NO		15 11	
E 182	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 182B	1		E100-B SHLD E182	38				.25 .25	NO NO			
E 182L			P86-T* P100B-8	27 1				.22 .12	NO NO		15 11	
E 182R			P86-S* P100B-7	27 1				.22 .12	NO NO		15 11	
E 183	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 183B	1		E111-B SHLD E183	47				.25 .25	NO NO			
E 183L			P86-X P105B-12	27 6				.22 .12	NO NO		15 11	
E 183R			P86-W P105B-11	27 6				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 62 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 184	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 184B	1		E120-B SHLD E184	55				.25 .25	NO NO			
E 184L			P86-G P110B-28	27 11				.22 .12	NO NO		15 11	
E 184R			P86-F P110B-27	27 11				.22 .12	NO NO		15 11	
E 185	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 185B	1		E122-B SHLD E185	57				.25 .25	NO NO			
E 185L			P86-V P111B-4	27 12				.22 .12	NO NO		15 11	
E 185R			P86-U P111B-3	27 12				.22 .12	NO NO		15 11	
E 186	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 186B	1		E134-B SHLD E186	66				.25 .25	NO NO			
E 186L			P86-N* P120B-22	27 21				.22 .12	NO NO		15 11	
E 186R			P86-M* P120B-21	27 21				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~B~~ | SHEET 63 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 187	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 187B	1		E120-B SHLD E187	55				.25 .25	NO NO			
E 187L			P86-C P110B-12	27 11				.22 .12	NO NO		15 11	
E 187R			P86-B P110B-11	27 11				.22 .12	NO NO		15 11	
E 188	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 188B	1		E120-B SHLD E188	55				.25 .25	NO NO			
E 188L			P86-J P110B-4	27 11				.22 .12	NO NO		15 11	
E 188R			P86-H P110B-3	27 11				.22 .12	NO NO		15 11	
E 189	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 189B	1		E108-B SHLD E189	44				.25 .25	NO NO			
E 189L			P86-C* P104B-14	27 5				.22 .12	NO NO		15 11	
E 189R			P86-B* P104B-13	27 5				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~B~~ | SHEET 64 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 190	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 190B	1		E108-B SHLD E190	44				.25 .25	NO NO			
E 190L			P86-E* P104B-16	27 5				.22 .12	NO NO		15 11	
E 190R			P86-D* P104B-15	27 5				.22 .12	NO NO		15 11	
E 191	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 191B	1		E135-B SHLD E191	67				.25 .25	NO NO			
E 191L			P86-EE P121B-14	27 22				.22 .12	NO NO		15 11	
E 191R			P86-DD P121B-13	27 22				.22 .12	NO NO		15 11	
E 192	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 192B	1		E115-B SHLD E192	50				.25 .25	NO NO			
E 192L			P86-R P107B-18	27 8				.22 .12	NO NO		15 11	
E 192R			P86-P P107B-17	27 8				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~B~~ | SHEET 65 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 193	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 193B	1		E115-B SHLD E193	50				.25 .25	NO NO			
E 193L			P86-T P107B-10	27 8				.22 .12	NO NO		15 11	
E 193R			P86-S P107B-9	27 8				.22 .12	NO NO		15 11	
E 194	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 194B	1		E134-B SHLD E194	66				.25 .25	NO NO			
E 194L			P86-R* P120B-26	27 21				.22 .12	NO NO		15 11	
E 194R			P86-P* P120B-25	27 21				.22 .12	NO NO		15 11	
E 195	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 195B	1		E118-B SHLD E195	53				.25 .25	NO NO			
E 195L			P86-E P109B-12	27 10				.22 .12	NO NO		15 11	
E 195R			P86-D P109B-11	27 10				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E ~~B~~ | SHEET 66 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 196	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 196B	1		E117-B SHLD E196	52				.25 .25	NO NO			
E 196L			P86-N P109B-16	27 10				.22 .12	NO NO		15 11	
E 196R			P86-M P109B-15	27 10				.22 .12	NO NO		15 11	
E 197	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 197B	1		E105-B SHLD E197	41				.25 .25	NO NO			
E 197L			P86-J* P102B-18	27 3				.22 .12	NO NO		15 11	
E 197R			P86-H* P102B-17	27 3				.22 .12	NO NO		15 11	
E 198	1		P86-Z P122B-19	27 23				.22 .12	NO NO		15 11	
E 199	1		P86-Y P122B-20	27 23				.22 .12	NO NO		15 11	
E 200	1		P86-K* P122B-21	27 23				.22 .12	NO NO		15 11	
E 201	1		P86-I* P122B-22	27 23				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 67 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 202	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 202B	1		E101-B SHLD E202	39				.25 .25	NO NO			
E 202L			P86-L P100B-18	27 1				.22 .12	NO NO		15 11	
E 202R			P86-K P100B-17	27 1				.22 .12	NO NO		15 11	
E 210	16		E100-BB P100B-31	38 1				.25 .12	NO NO		11	
E 211	16		E101-BB P100B-32	39 1				.25 .12	NO NO		11	
E 213	16		E103-BB P101B-32	40 2				.25 .12	NO NO		11	
E 215	16		E105-BB P102B-32	41 3				.25 .12	NO NO		11	
E 216	16		E106-BB P103B-32	42 4				.25 .12	NO NO		11	
E 217	16		E107-BB P103B-31	43 4				.25 .12	NO NO		11	
E 218	16		E108-BB P104B-31	44 5				.25 .12	NO NO		11	
E 219	16		E109-BB P104B-32	45 5				.25 .12	NO NO		11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 68 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 220	16		E110-BB P105B-32	44 6				.25 .12	NO NO		11	
E 221	16		E111-BB P105B-31	47 6				.25 .12	NO NO		11	
E 222	16		E112-BB P106B-32	48 7				.25 .12	NO NO		11	
E 224	16		E114-BB P107B-32	49 8				.25 .12	NO NO		11	
E 225	16		E115-BB P107B-31	50 8				.25 .12	NO NO		11	
E 226	16		E116-BB P108B-32	51 9				.25 .12	NO NO		11	
E 227	16		E117-BB P109B-31	52 10				.25 .12	NO NO		11	
E 228	16		E118-BB P109B-32	53 10				.25 .12	NO NO		11	
E 229	16		E119-BB P110B-31	54 11				.25 .12	NO NO		11	
E 230	16		E120-BB P110B-32	55 11				.25 .12	NO NO		11	
E 231	16		E121-BB P111B-32	56 12				.25 .12	NO NO		11	
E 232	16		E122-BB P111B-31	57 12				.25 .12	NO NO		11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 69 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 233	16		E123-BB P112B-32	58 13				.25 .12	NO NO		11	
E 235	16		E125-BB P114B-32	59 15				.25 .12	NO NO		11	
E 236	16		E126-BB P114B-31	60 15				.25 .12	NO NO		11	
E 237	16		E127-BB P115B-31	61 16				.25 .12	NO NO		11	
E 238	16		E128-BB P116B-32	62 17				.25 .12	NO NO		11	
E 239	16		E129-BB P116B-31	63 17				.25 .12	NO NO		11	
E 242	16		E132-BB P118B-31	64 19				.25 .12	NO NO		11	
E 243	16		E133-BB P119B-32	65 20				.25 .12	NO NO		11	
E 244	16		E134-BB P120B-32	66 21				.25 .12	NO NO		11	
E 245	16		E135-BB P121B-31	67 22				.25 .12	NO NO		11	
E 246	16		E136-BB P122B-32	68 23				.25 .12	NO NO		11	
E 247	16		E137-BB E123-BB	70 58				.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900545
SCALE-NONE
REV LTR E
SHEET 70 OF 74

MIL 2064 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 248	16		E138-BB E123-BB	69 58				.25 .25	NO NO			
E 249	3				4.00 .52	3.75 .23				B,6B A,10	9, 29 34, 35	
E 249A	1		SHLD E249 P82-FF	24				.25 .22	NO NO		15	
E 249E			P82-GG P134-1	24 36				.44 .11	NO NO		15 33	
E 249X			SHLD E249 P134-2	36								
E 250	3				4.00 .52	3.75 .23				B,6B A,10	9, 29 34, 35	
E 250A	1		SHLD E250 P82-Z	24				.25 .22	NO NO		15	
E 250E			P82-Y P135-1	24 37				.44 .11	NO NO		15 33	
E 250X			SHLD E250 P135-2	37								
E 251	16		J3-HH TB9-2	32 71				.22 .20	NO NO		15 32	
E 252	1		J3-BB E137-B	32 70				.22 .25	NO NO		15	
E 253	1		J3-D* E137-B	70				.22 .25	NO NO		15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 71 OF 74

MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 254	1		J4-T* E138-B	70				.22 .25	NO NO		15	
E 255	1		J4-U E138-B	31 69				.22 .25	NO NO		15	
E 256	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 256B	1		E136-B SHLD E256	68				.25 .25	NO NO			
E 256L			P82-N P122B-4	24 23				.22 .12	NO NO		15 11	
E 256R			P82-M P122B-3	24 23				.22 .12	NO NO		15 11	
E 257	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 257B	1		P117B-31 SHLD E257	18				.12 .25	NO NO		40	
E 257L			P82-V* P117B-12	24 18				.22 .12	NO NO		15 11	
E 257R			P82-A* P117B-11	24 18				.22 .12	NO NO		15 11	
E 258	2				2.25 4.00	2.00 3.75				A,7 B,6A	18 10, 9	
E 258B	1		E136-B SHLD E258	68				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 72 OF 74

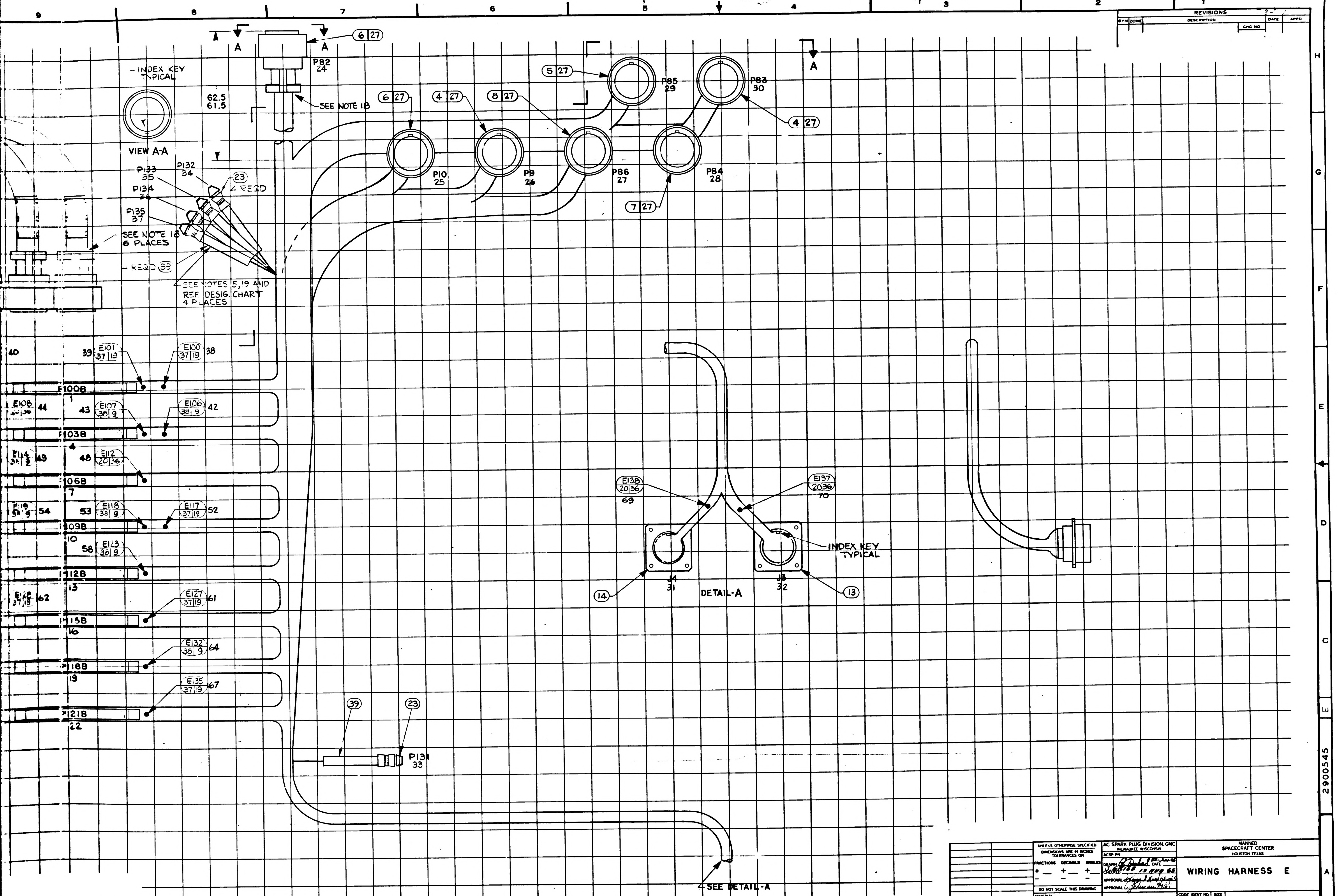
MIL 2084 4-63

WIRING HARNESS E 2900545 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 258L			P82-K* P122B-6	24 23				.22 .12	NO NO		15 11	
E 258R			P82-I* P122B-5	24 23				.22 .12	NO NO		15 11	
E 259	1		P82-CC P121B-25	24 22				.22 .12	NO NO		15 11	
E 260	1		P82-LL P121B-28	24 22				.22 .12	NO NO		15 11	
E 261	1		P82-MM P121B-27	24 22				.22 .12	NO NO		15 11	
E 262	1		P82-NN P121B-29	24 22				.22 .12	NO NO		15 11	
E 263	1		P121B-30 P82-PP	22 24				.12 .22	NO NO		11 15	
E 264	1		P83-A P122B-7	30 23				.22 .12	NO NO		15 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900545
SCALE-NONE | REV LTR E | SHEET 73 OF 74

MIL 2084 4-63


INDEX KEY TYPICAL
VIEW A-A
A
A
6 27
P82
24
62.5
61.5
SEE NOTE 18
P132
34
P133
35
P134
36
P135
37
23
4 REQD
SEE NOTE 18
6 PLACES
4 REQD 39
SEE NOTES 5,19 AND
REF DESIG CHART
4 PLACES
6 27
4 27
8 27
5 27
P85
29
P83
30
4 27
A
P10
25
P9
26
P86
27
P84
28
7 27
40
39
E101
37 13
E100
37 19
38
P100B
E108
44
43
E107
38 9
E106
38 9
42
P103B
E114
49
48
E112
20 36
106B
7
E119
54
53
E118
38 9
E117
37 19
52
109B
10
58
E123
38 9
112B
13
62
E127
37 19
61
115B
16
E132
38 9
64
118B
19
E135
37 19
67
121B
22
39
23
P131
33
E138
20 36
69
E137
20 36
70
INDEX KEY
TYPICAL
14
J4
31
DETAIL-A
J3
32
13
SEE DETAIL-A

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

2900058-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL
—
CONTRACT NAS9-497

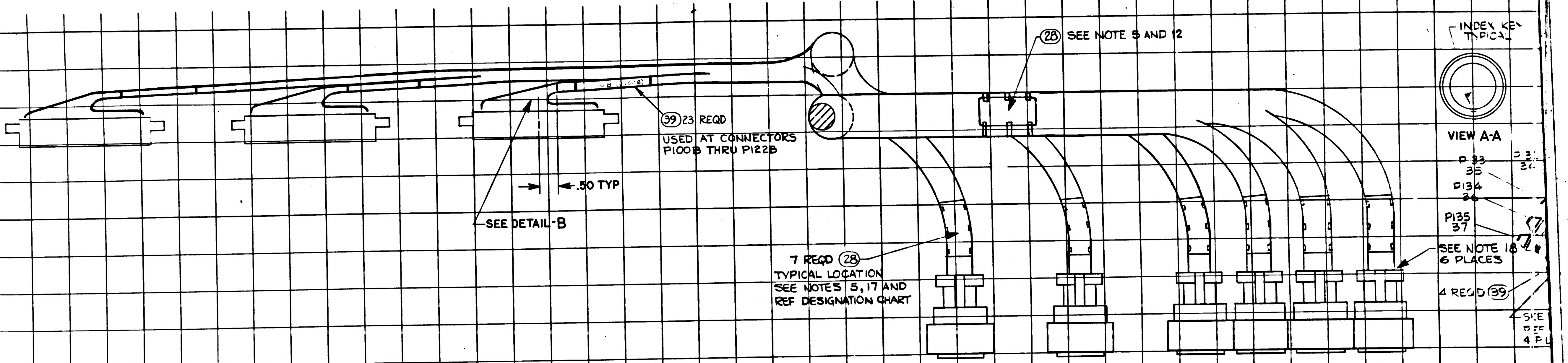
AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN DATE 28-June 65
CHECKED J. GRIEB 19 AUG 65
APPROVAL 18 Aug 65
APPROVAL 9/9/65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

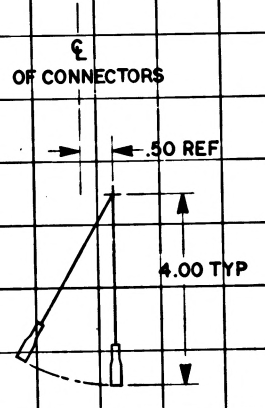
WIRING HARNESS E

CODE IDENT NO. 99974
SIZE J_2
2900545
SCALE Full
SHEET 74 OF 74

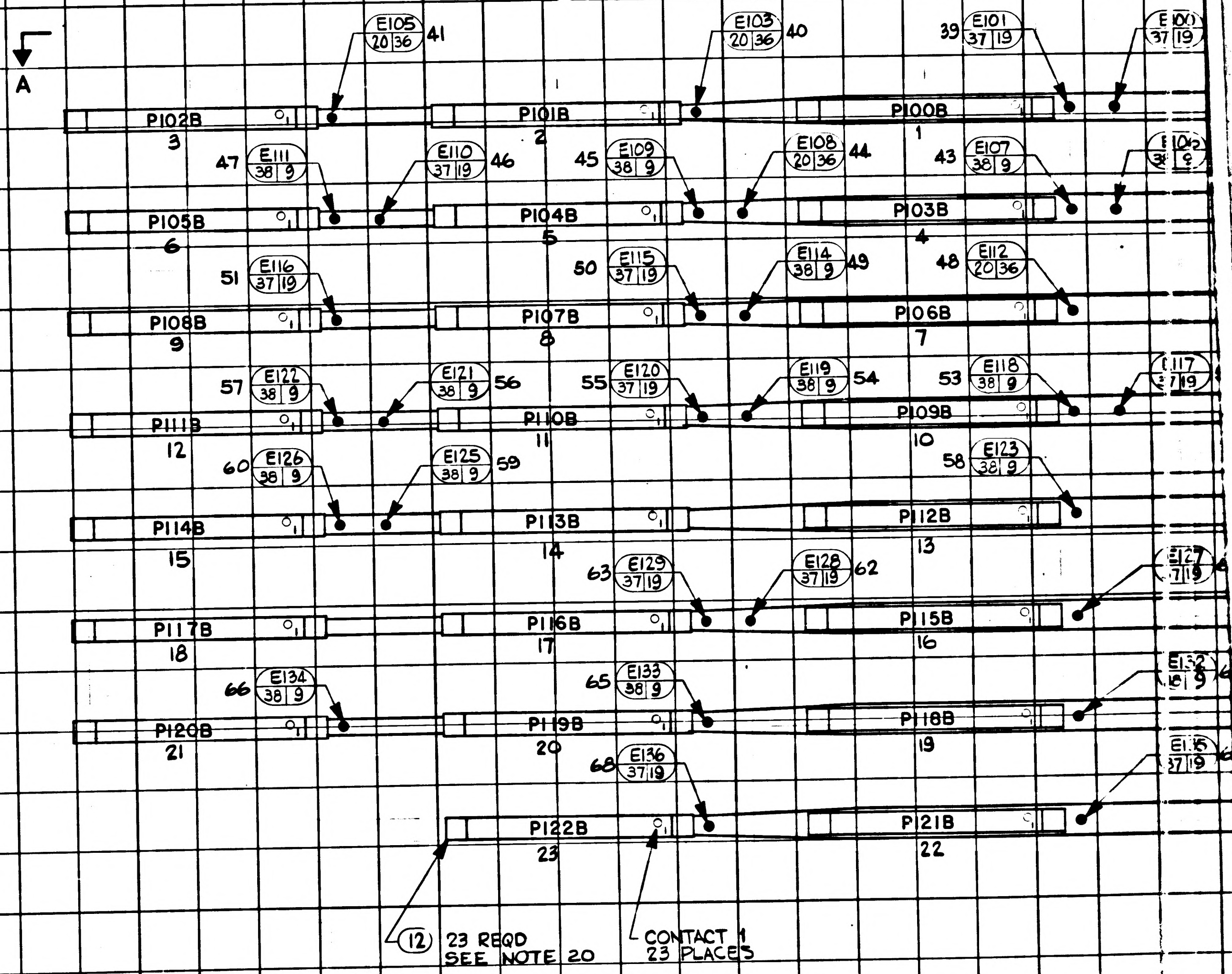
2900545


(28) SEE NOTE 5 AND 12
(39) 23 REQD
USED AT CONNECTORS
P100B THRU P122B
.50 TYP
SEE DETAIL-B
7 REQD (28)
TYPICAL LOCATION
SEE NOTES 5, 17 AND
REF DESIGNATION CHART
INDEX KEY
TYPICAL
VIEW A-A
P133
35
P134
36
P135
37
SEE NOTE 18
6 PLACES
4 REQD (39)
SEE
4 PL

SECTION A-A


℄
OF CONNECTORS
.50 REF
4.00 TYP

DETAIL-B


A
E105 20 36 41
E103 20 36 40
39 E101 37 19
E100 37 19
P102B
3
P101B
2
P100B
1
47 E111 38 9
E110 37 19 46
45 E109 38 9
E108 20 36 44
43 E107 38 9
E102 38 9
P105B
6
P104B
5
P103B
4
51 E116 37 19
50 E115 37 19
E114 38 9 49
48 E112 20 36
P108B
9
P107B
8
P106B
7
57 E122 38 9
E121 38 9 56
55 E120 37 19
E119 38 9 54
53 E118 38 9
E117 37 19
P111B
12
P110B
11
P109B
10
60 E126 38 9
E125 38 9 59
58 E123 38 9
P114B
15
P113B
14
P112B
13
63 E129 37 19
E128 37 19 62
E127 37 19
P117B
18
P116B
17
P115B
16
66 E134 38 9
65 E133 38 9
E132 38 9
P120B
21
P119B
20
P118B
19
68 E136 37 19
E135 37 19
P122B
23
P121B
22
(12) 23 REQD
SEE NOTE 20
CONTACT 1
23 PLACES

REFERENCE DESIGNATION CHART

CONNECTOR	MARKING DATA
P9	P9 (A26J6)
P10	P10 (A26J7)
P82	P82(A26J1)
P83	P83(A26J2)
P84	P84 (A26J3)
P85	P85 (A26J4)
P86	P86(A26J5)
P100B	P100B(J100B)
P101B	P101B(J101B)
P102B	P102B(J102B)
P103B	P103B(J103B)
P104B	P104B(J104B)
P105B	P105B(J105B)
P106B	P106B(J106B)
P107B	P107B(J107B)
P108B	P108B(J108B)
P109B	P109B(J109B)
P110B	P110B(J110B)
P111B	P111B(J111B)
P112B	P112B(J112B)
P113B	P113B(J113B)
P114B	P114B(J114B)
P115B	P115B(J115B)
P116B	P116B(J116B)
P117B	P117B(J117B)
P118B	P118B(J118B)
P119B	P119B(J119B)
P120B	P120B(J120B)
P121B	P121B(J121B)
P122B	P122B(J122B)
P131	P131 (J131)
P132	P132(J132)
P133	P133(J133)
P134	P134(J134)
P135	P135(J135)

2900545

APPLICATION		REVISIONS 23419			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900058-011	2900023-011	A	REPLACES REVISION + WITH CHANGE PER MXC- 204093	8-19	EF
		B	REVISED PER MXC 204486	31 AUG 65	RLP MEM
		C	REVISED PER MXC 205385	30 SEP 65	JWP EF
		D	REVISED PER MXC 206188 SHT 56 WAS 55 ADDED SHT 55	19 SEP 65	PHG AU
		E	INITIAL RELEASE CLASS A PER TDRR 23419	20 OCT 65	LF CW

Ⓐ REPLACES REV + WITH CHANGE

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	19	20	21	22	23	24	25	26	27	28	29	30	31	33	34	35	36	37	38	39	40	41	42	43	44	45

REV STATUS OF SHEETS	REV																							
	SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN C. M Kulp DATE 19 AUG 65
CHECKED J. GRIEB 19 AUG 65
APPROVAL Kingel Reed 19 Aug 65
APPROVAL Eldeman 10/19/65
NASA APPROVAL
MIT APPROVAL
CONTRACT

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS F

CODE IDENT NO. 99974
SIZE A
2900546
REV E
SCALE NONE
SHEET 1 OF 58

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	E														
47	E														
48	E														
49	E														
50	E														
51	E														
52	E														
53	E														
54	E														
55	E														
56	E														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION D

NASA DRAWING NO.
2900546
SHEET 2 OF 56

29C0546 ~~D~~ E

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002032
B - ND1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 19.

4 INSTALL ITEMS 24,25,26, OR 27 ADJACENT TO ITEM 14, OR 27 ACCORDING TO LEAD CHART DATA.

5 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 19.

6 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

7 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

8 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

9 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

10 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS - COLOR BLACK.

11 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 3 OF ~~65~~ 56

MIL 2064 4-63

29C0546 ~~D~~ E

NOTE NUMBER | GENERAL NOTES DESCRIPTION

14 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

15 MARK SLEEVES FOR MULTIPLE LEADS PER ND 1002019 WITH LEAD IDENTIFICATIONS .12 INCH HIGH, COLOR BLACK.

16 ASSEMBLE PER ND1002032.

17 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER-
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
W - WHITE
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER.
R - WHITE WITH RED TRACER

18 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .19 INCH HIGH CHARACTERS, COLOR BLACK, HOT IMPRESSION STAMP PER ND1002019.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 4 OF ~~55~~ 56

MIL 2064 4-63

29C0546 E ~~D~~

NOTE NUMBER | GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 5 OF ~~65~~ 56

MIL 2064 4-63

WIRING HARNESS F 2900546 E ~~D~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900546-001	WIRE, ND1002181 TYPE 2, CLASS 4, WHT JACKET, 24 AWG, WHT/BLU, WHT/RED
	2	1	2900546-002	WIRE, ND1002181 TYPE 1, CLASS 4, WHT JACKET, 24 AWG, WHT
	3	1	2900546-003	WIRE, ND1002181 TYPE 1, CLASS 1, 22 AWG WHT
	4	1	2900546-004	WIRE, ND1002181 TYPE 3, CLASS 4, WHT JACKET, 22 AWG WHT/BLU, WHT/RED, WHT/YEL
	5	1	2900546-005	WIRE ND1002181 TYPE 1, CLASS 1, 20 AWG WHT
	6	1	2900546-006	WIRE ND1002181 TYPE 2, CLASS 4, WHT JACKET, 20 AWG, WHT/BLU, WHT/RED
	7	1	MS3127E24-61PX	(1897055-612) CONNECTOR, RECEPTACLE, ELEC 20 AWG, WHT/BLU, WHT/RED
	8	1	MS3127E24-61P	(1897055-610) CONNECTOR, RECEPTACLE, ELEC
	9	1	MS3127E24-61PW	(1897055-611) CONNECTOR, RECEPTACLE, ELEC
	10	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE, ELEC
	11	1	MS3127E22-55PW	(1897053-551) CONNECTOR, RECEPTACLE, ELEC
	12	1	MS3127E20-41P	(1897051-410) CONNECTOR, RECEPTACLE, ELEC
8	13	~~295~~ 298	1897266-001	CONTACT, RECEPTACLE, ELECTRICAL
8	14	128	1010763-002	SLEEVE, SOLDER
8	15	13	1010490-198	INSULATION-SLEEVING, ELECTRICAL
8	16	25	1016006-003	SPLICE - REDUCER

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 6 OF ~~65~~ 56

MIL 2064 4-63

2900546 E ~~D~~

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	17	1	1016128-001	IDENTIFICATION BAND
	18		2900546-007	DELETED
	19	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1, NO
8	20	21	1897267-001	CONNECTOR, RECEPTACLE [illegible] ICAL
	21		MS3192A20A	(1896855-020) CONTACT-ELECTRICAL, PIN, CRIMP (FURNISHED WITH ITEMS 7 THRU 12)
8	22	1	1010490-194	INSULATION-SLEEVING, ELEC
8	23	108	1010490-196	INSULATION-SLEEVING, ELEC
8	24	31	1010490-226	INSULATION-SLEEVING, ELEC
8	25	109	1010490-228	INSULATION-SLEEVING, ELEC
8	26	13	1010490-232	INSULATION-SLEEVING, ELEC
	27			DELETED
	28	1	2900546-008	CABLE, RF, COAXIAL MIL-C-17 RG-188/U
	29			DELETED
	30			DELETED
	31			DELETED
8	32	22	1015864-462	INSULATION-SLEEVING, ELECTRICAL
8	33	1	1016369-588	HYRING

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 7 OF 56 ~~55~~

MIL 2084 4-63

2900546 E ~~D~~

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	34	1	1016369-288	CONTACT, MALE, OUTER
8	35	1	1016369-388	CONTACT, FEMALE, INNER
	36	1	1897356-001	SPLICE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 8 OF 56 ~~55~~

MIL 2084 4-63

2900546 E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 1	3		J5-B E220-B	24 44				.22 .25	NO NO		21	
F 2	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 2B	3		E219-B SHLD F2	43				.25 .25	NO NO			
F 2L			J5-D P112F-10	24 13				.22 .12	NO NO		21 13	
F 2R			J5-C P112F-9	24 13				.22 .12	NO NO		21 13	
F 3	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 3B	3		E219-B SHLD F3	43				.25 .25	NO NO			
F 3L			J5-F P112F-12	24 13				.22 .12	NO NO		21 13	
F 3R			J5-E P112F-11	24 13				.22 .12	NO NO		21 13	
F 4	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 4B	3		E219-B SHLD F4	43				.25 .25	NO NO			
F 4L			J5-H P112F-16	24 13				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 9 OF 56 ~~55~~

MIL 2084 4-63

2900546 E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 4R			J5-G P112F-15	24 13				.22 .12	NO NO		21 13	
F 5	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 5B	3		P110F-31 SHLD F5	11				.22 .25	NO NO		13	
F 5L			J5-N P110F-6	24 11				.22 .12	NO NO		21 13	
F 5R			J5-M P110F-5	24 11				.22 .12	NO NO		21 13	
F 6	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 6B	3		E210-B SHLD F6	36				.25 .25	NO NO			
F 6L			J5-U P106F-4	24 7				.22 .12	NO NO		21 13	
F 6R			J5-T P106F-3	24 7				.22 .12	NO NO		21 13	
F 7	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 7B	3		E210-B SHLD F7	36				.25 .25	NO NO			
F 7L			J5-W P106F-10	24 7				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR ~~D~~ E | SHEET 10 OF 56 ~~55~~

MIL 2084 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 7R			J5-V P106F-9	24 7				.22 .12	NO NO		21 13	
F 8	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 8B	3		E210-B SHLD F8	36				.25 .25	NO NO			
F 8L			J5-Y P106F-16	24 7				.22 .12	NO NO		21 13	
F 8R			J5-X P106F-15	24 7				.22 .12	NO NO		21 13	
F 9	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 9B	3		E222-B SHLD F9	46				.25 .25	NO NO			
F 9L			J5-B• P113F-22	24 14				.22 .12	NO NO		21 13	
F 9R			J5-A• P113F-21	24 14				.22 .12	NO NO		21 13	
F 10	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 10B	3		E220-B SHLD F10	44				.25 .25	NO NO			
F 10L			J5-F• P112F-18	24 13				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE-NONE | REV LTR ~~B~~ E | SHEET 11 OF 5655

MIL 2084 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 10R			J5-E• P112F-17	24 13				.22 .12	NO NO		21 13	
F 11	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 11B	3		E220-B SHLD F11	44				.25 .25	NO NO			
F 114			J5-G• P112F-21	24 13				.22 .12	NO NO		21 13	
F 12	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 12B	3		E220-B SHLD F12	44				.25 .25	NO NO			
F 124			J5-H• P112F-23	24 13				.22 .12	NO NO		21 13	
F 13	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 13B	3		E217-B SHLD F13	41				.25 .25	NO NO			
F 13L			J5-J• P111F-24	24 10				.22 .12	NO NO		21 13	
F 13R			J5-I• P111F-23	24 10				.22 .12	NO NO		21 13	
F 14	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE-NONE | REV LTR ~~B~~ E | SHEET 12 OF 5655

MIL 2084 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 14B	3		E214-B SHLD F14	39				.25 .25	NO NO			
F 14L			J5-N• P109F-22	24 12				.22 .12	NO NO		21 13	
F 14R			J5-M• P109F-21	24 12				.22 .12	NO NO		21 13	
F 15	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 15B	3		E214-B SHLD F15	39				.25 .25	NO NO			
F 15L			J5-Q• P109F-28	24 12				.22 .12	NO NO		21 13	
F 15R			J5-P• P109F-27	24 12				.22 .12	NO NO		21 13	
F 16	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 16B	3		E215-B SHLD F16	40				.25 .25	NO NO			
F 16L			J5-S• P110F-4	24 11				.22 .12	NO NO		21 13	
F 16R			J5-R• P110F-3	24 11				.22 .12	NO NO		21 13	
F 17	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE-NONE | REV LTR ~~B~~ E | SHEET 13 OF 5665

MIL 2084 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 17B	3		E214-B SHLD F17	39				.25 .25	NO NO			
F 17L			J5-U• P109F-18	24 12				.22 .12	NO NO		21 13	
F 17R			J5-T• P109F-17	24 12				.22 .12	NO NO		21 13	
F 18	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 18B	3		E222-B SHLD F18	46				.25 .25	NO NO			
F 18L			J5-Y• P113F-10	24 14				.22 .12	NO NO		21 13	
F 18R			J5-X• P113F-9	24 14				.22 .12	NO NO		21 13	
F 19	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 19B	3		E214-B SHLD F19	39				.25 .25	NO NO			
F 19L			J5-BB P109F-24	24 12				.22 .12	NO NO		21 13	
F 19R			J5-AA P109F-23	24 12				.22 .12	NO NO		21 13	
F 20	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE-NONE | REV LTR ~~B~~ E | SHEET 14 OF 5655

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 20B	3		E214-B SHLD F20	39				.25 .25	NO NO			
F 20L			J5-DD P109F-30	24 12				.22 .12	NO NO		21 13	
F 20R			J5-CC P109F-29	24 12				.22 .12	NO NO		21 13	
F 21	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 21B	3		E221-B SHLD F21	45				.25 .25	NO NO			
F 21L			J5-HH P113F-12	24 14				.22 .12	NO NO		21 13	
F 21R			J5-GG P113F-11	24 14				.22 .12	NO NO		21 13	
F 22	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 22B	3		E221-B SHLD F22	45				.25 .25	NO NO			
F 22L			J5-KK P113F-6	24 14				.22 .12	NO NO		21 13	
F 22R			J5-JJ P113F-5	24 14				.22 .12	NO NO		21 13	
F 23	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

29C0546

SCALE - NONE

REV LTR E

SHEET 15 OF 56 ~~55~~

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 23B	3		E219-B SHLD F23	43				.25 .25	NO NO			
F 23L			J5-PP P112F-4	24 13				.22 .12	NO NO		21 13	
F 23R			J5-NN P112F-3	24 13				.22 .12	NO NO		21 13	
F 24	3		J6-B E200-B	23 28				.22 .25	NO NO		21	
F 25	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 25B	3		E210-B SHLD F25	36				.25 .25	NO NO			
F 25L			J6-D P106F-24	23 7				.22 .12	NO NO		21 13	
F 25R			J6-C P106F-23	23 7				.22 .12	NO NO		21 13	
F 26	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 26B	3		E211-B SHLD F26	37				.25 .25	NO NO			
F 26L			J6-F P107F-4	23 8				.22 .12	NO NO		21 13	
F 26R			J6-E P107F-3	23 8				.22 .12	NO NO		21 13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

29C0546

SCALE - NONE

REV LTR E

SHEET 16 OF 56 ~~55~~

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 27	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 27B	3		E222-B SHLD F27	46				.25 .25	NO NO			
F 27L			J6-K P113F-16	23 14				.22 .12	NO NO		21 13	
F 27R			J6-J P113F-15	23 14				.22 .12	NO NO		21 13	
F 28	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 28B	3		E222-B SHLD F28	46				.25 .25	NO NO			
F 28L			J6-M P113F-18	23 14				.22 .12	NO NO		21 13	
F 28R			J6-L P113F-17	23 14				.22 .12	NO NO		21 13	
F 29	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 29B	3		E202-B SHLD F29	30				.25 .25	NO NO			
F 29L			J6-P P101F-30	23 2				.22 .12	NO NO		21 13	
F 29R			J6-N P101F-29	23 2				.22 .12	NO NO		21 13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

29C0546

SCALE - NONE

REV LTR E

SHEET 17 OF 56 ~~55~~

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 30	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 30B	3		E210-B SHLD F30	36				.25 .25	NO NO			
F 30L			J6-S P106F-30	23 7				.22 .12	NO NO		21 13	
F 30R			J6-R P106F-29	23 7				.22 .12	NO NO		21 13	
F 31	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 31B	3		E203-B SHLD F31	31				.25 .25	NO NO			
F 31L			J6-U P102F-6	23 3				.22 .12	NO NO		21 13	
F 31R			J6-T P102F-5	23 3				.22 .12	NO NO		21 13	
F 36	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 36B	3		E210-B SHLD F36	36				.25 .25	NO NO			
F 36L			J6-W P106F-22	23 7				.22 .12	NO NO		21 13	
F 36R			J6-V P106F-21	23 7				.22 .12	NO NO		21 13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900546

SCALE - NONE

REV LTR E

SHEET 18 OF 56 ~~55~~

MIL 2084 4-63

29CC546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 37	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 37B	3		E202-B SHLD F37	30				.25 .25	NO NO			
F 37L			J6-~~X*~~ Y P101F-24	23 2				.22 .12	NC NC		21 13	
F 37R			J6-X P101F-23	23 2				.22 .12	NO NO		21 13	
F 38	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 38B	3		E203-B SHLD F38	31				.25 .25	NO NO			
F 38L			J6-B* P102F-4	23 3				.22 .12	NC NC		21 13	
F 38R			J6-A* P102F-3	23 3				.22 .12	NO NO		21 13	
F 39	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 39B	3		E215-B SHLD F39	40				.25 .25	NO NC			
F 39L			J6-D* P110F-12	23 11				.22 .12	NO NC		21 13	
F 39R			J6-C* P110F-11	23 11				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE - NONE
REV LTR ~~B~~ E
SHEET 19 OF ~~55~~ 56

MIL 2064 4-63

29CC546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 40	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 40B	3		E215-B SHLD F40	40				.25 .25	NO NO			
F 40L			J6-F* P110F-16	23 11				.22 .12	NO NO		21 13	
F 40R			J6-E* P110F-15	23 11				.22 .12	NO NO		21 13	
F 41	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 41B	3		E215-B SHLD F41	40				.25 .25	NO NO			
F 41L			J6-H* P110F-18	23 11				.22 .12	NO NO		21 13	
F 41R			J6-G* P110F-17	23 11				.22 .12	NC NC		21 13	
F 42	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 42B	3		E202-B SHLD F42	30				.25 .25	NO NO			
F 42L			J6-K* P101F-10	23 2				.22 .12	NO NO		21 13	
F 42R			J6-J* P101F-9	23 2				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE - NONE
REV LTR ~~B~~ E
SHEET 20 OF ~~55~~ 56

MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 43	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 43B	3		E202-B SHLD F43	30				.25 .25	NO NC			
F 43L			J6-N* P101F-4	23 2				.22 .12	NO NC		21 13	
F 43R			J6-M* P101F-3	23 2				.22 .12	NO NO		21 13	
F 44	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 44B	3		E201-B SHLD F44	29				.25 .25	NO NO			
F 44L			J6-C* P100F-28	23 1				.22 .12	NO NO		21 13	
F 44R			J6-P* P100F-27	23 1				.22 .12	NO NO		21 13	
F 45	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 45B	3		E201-B SHLD F45	29				.25 .25	NC NO			
F 45L			J6-S* P100F-22	23 1				.22 .12	NO NO		21 13	
F 45R			J6-R* P100F-21	23 1				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE - NONE
REV LTR ~~B~~ E
SHEET 21 OF ~~55~~ 56

MIL 2064 4-63

29CC546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 46	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 46B	3		E210-B SHLD F46	36				.25 .25	NO NO			
F 46L			J6-V* P106F-6	23 7				.22 .12	NO NC		21 13	
F 46R			J6-U* P106F-5	23 7				.22 .12	NC NO		21 13	
F 47	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 47B	3		E210-B SHLD F47	36				.25 .25	NO NO			
F 47L			J6-BB P106F-12	23 7				.22 .12	NO NC		21 13	
F 47R			J6-AA P106F-11	23 7				.22 .12	NO NC		21 13	
F 48	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 48B	3		E210-B SHLD F48	36				.25 .25	NO NO			
F 48L			J6-HH P106F-18	23 7				.22 .12	NO NO		21 13	
F 48R			J6-GG P106F-17	23 7				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900546
SCALE - NONE
REV LTR ~~B~~ E
SHEET 22 OF ~~55~~ 56

MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 49	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 49B	3		E210-B SHLD F48	36				.25 .25	NO NO			
F 49L			J6-PP P106F-28	23 7				.22 .12	NO NO		21 13	
F 49R			J6-NN P106F-27	23 7				.22 .12	NO NO		21 13	
F 50	3		J7-B E212-B	22 38				.22 .25	NO NO		21	
F 51	4				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F 51B	3		E217-B SHLD F51	41				.25 .25	NO NO			
F 51L			J7-E P111F-28	22 10				.22 .12	NO NO		21 13	
F 51R			J7-C P111F-27	22 10				.22 .12	NO NO		21 13	
F 51Y			J7-D P111F-29	22 10				.22 .12	NO NO		21 13	
F 52	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 52B	3		E229-B SHLD F52	51				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~B~~ E | SHEET 23 OF 56~~55~~

MIL 2084 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 52L			J7-G P120F-4	22 21				.22 .12	NO NO		21 13	
F 52R			J7-F P120F-3	22 21				.22 .12	NO NO		21 13	
F 53	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 53B	3		E229-B SHLD F53	51				.25 .25	NO NO			
F 53L			J7-J P120F-8	22 21				.22 .12	NO NO		21 13	
F 53R			J7-H P120F-7	22 21				.22 .12	NO NO		21 13	
F 54	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 54B	3		E222-B SHLD F54	46				.25 .25	NO NO			
F 54L			J7-L P113F-24	22 14				.22 .12	NO NO		21 13	
F 54R			J7-K P113F-23	22 14				.22 .12	NO NO		21 13	
F 55	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 55B	3		P104F-32 SHLD F55	5				.12 .25	NO NO		13	

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29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 55L			J7-P P104F-22	22 5				.22 .12	NO NO		21 13	
F 55R			J7-N P104F-21	22 5				.22 .12	NO NO		21 13	
F 56	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 56B	3		E200-B SHLD F56	28				.25 .25	NO NO			
F 56L			J7-S P100F-16	22 1				.22 .12	NO NO		21 13	
F 56R			J7-R P100F-15	22 1				.22 .12	NO NO		21 13	
F 57	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 57B	3		E200-B SHLD F57	28				.25 .25	NO NO			
F 57L			J7-U P100F-12	22 1				.22 .12	NO NO		21 13	
F 57R			J7-T P100F-11	22 1				.22 .12	NO NO		21 13	
F 58	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 58B	3		E200-B SHLD F58	28				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~B~~ E | SHEET 25 OF 56~~55~~

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29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 58L			J7-W P100F-10	22 1				.22 .12	NO NO		21 13	
F 58R			J7-V P100F-9	22 1				.22 .12	NO NO		21 13	
F 59	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 59B	3		E206-B SHLD F59	34				.25 .25	NO NO			
F 59L			J7-Y P104F-24	22 5				.22 .12	NO NO		21 13	
F 59R			J7-X P104F-23	22 5				.22 .12	NO NO		21 13	
F 60	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 60B	3		E206-B SHLD F60	34				.25 .25	NO NO			
F 60L			J7-B* P104F-10	22 5				.22 .12	NO NO		21 13	
F 60R			J7-A* P104F-9	22 5				.22 .12	NO NO		21 13	
F 61	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 61B	3		E205-B SHLD F61	33				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR ~~B~~ E | SHEET 26 OF 56~~55~~

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29C0546 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F	61L			J7-D• P103F-28	22 6				.22 .12	NO NO		21 13	
F	61R			J7-C• P103F-27	22 6				.22 .12	NO NO		21 13	
F	62	4				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F	62B	3		E206-B SHLD F62	34				.25 .25	NO NO			
F	62L			J7-G• P104F-16	22 5				.22 .12	NO NO		21 13	
F	62R			J7-E• P104F-15	22 5				.22 .12	NO NO		21 13	
F	62Y			J7-F• P104F-17	22 5				.22 .12	NO NO		21 13	
F	63	3		J7-H• P111F-10	22 10				.22 .12	NO NO		21 13	
F	64	3		J7-I• P111F-16	22 10				.22 .12	NO NO		21 13	
F	65	3		J7-K• P111F-15	22 10				.22 .12	NO NO		21 13	
F	66	3		J7-M• P111F-17	22 10				.22 .12	NO NO		21 13	
F	67	3		J7-N• P111F-18	22 10				.22 .12	NO NO		21 13	

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REV LTR ~~B~~ E

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29C0546 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F	68	3		J7-P• P118F-21	22 19				.22 .12	NO NO		21 13	
F	69	3		J7-Q• P118F-22	22 19				.22 .12	NO NO		21 13	
F	70	3		J7-R• P104F-3	22 5				.22 .12	NO NO		21 13	
F	71	3		J7-S• P104F-5	22 5				.22 .12	NO NO		21 13	
F	72	3		J7-T• P104F-4	22 5				.22 .12	NO NO		21 13	
F	73	6				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F	73B	3		E212-B SHLD F73	38				.25 .25	NO NO			
F	73L			J7-V• P107F-22	22 8				.22 .12	NO NO		21 13	
F	73R			J7-U• P107F-21	22 8				.22 .12	NO NO		21 13	
F	74	6				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F	74B	3		E212-B SHLD F74	38				.25 .25	NO NO			
F	74L			J7-X• P107F-16	22 8				.22 .12	NO NO		21 13	

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2900546 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F	74R			J7-W• P107F-15	22 8				.22 .12	NO NO		21 13	
F	75	6				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F	75B	3		E212-B SHLD F74	38				.25 .25	NO NO			
F	75L			J7-Z• P107F-10	22 8				.22 .12	NO NO		21 13	
F	75R			J7-Y• P107F-9	22 8				.22 .12	NO NO		21 13	
F	76	3		J7-AA P100F-5	22 1				.22 .12	NO NO		21 13	
F	77	3		J7-BB P100F-6	22 1				.22 .12	NO NO		21 13	
F	78	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F	78B	3		E205-B SHLD F78	33				.25 .25	NO NO			
F	78L			J7-DD P103F-22	22 6				.22 .12	NO NO		21 13	
F	78R			J7-CC P103F-21	22 6				.22 .12	NO NO		21 13	
F	79	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

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	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F	79B	3		E219-B SHLD F79	43				.25 .25	NO NO			
F	79L			J7-FF P112F-28	22 13				.22 .12	NO NO		21 13	
F	79R			J7-EE P112F-27	22 13				.22 .12	NO NO		21 13	
F	80	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F	80B	3		E219-B SHLD F80	43				.25 .25	NO NO			
F	80L			J7-HH P112F-30	22 13				.22 .12	NO NO		21 13	
F	80R			J7-GG P112F-29	22 13				.22 .12	NO NO		21 13	
F	81	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F	81B	3		E221-B SHLD F81	45				.25 .25	NO NO			
F	81L			J7-KK P113F-4	22 14				.22 .12	NO NO		21 13	
F	81R			J7-JJ P113F-3	22 14				.22 .12	NO NO		21 13	
F	82	3		J7-LL P111F-5	22 10				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 83	3		J7-MM P111F-9	22 10				.22 .12	NO NO		21 13	
F 84	3		J7-NN P111F-3	22 10				.22 .12	NO NO		21 13	
F 85	3		J7-PP P110F-29	22 11				.22 .12	NO NO		21 13	
F 86	4				2.25 4.00	2.00 3.75				A,7 B,6A	22 14, 24	
F 86B	3		P114F-31 SHLD F86	15				.22 .25	NO NO		13	
F 86L			J10-B P114F-4	25 15				.22 .12	NO NO		21 13	
F 86R			J10-P P114F-3	25 15				.22 .12	NO NO		21 13	
F 86Y			J10-N P114F-5	25 15				.22 .12	NO NO		21 13	
F 87	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 87B	3		E217-B SHLD F87	41				.25 .25	NO NO			
F 87L			J10-D P111F-12	25 10				.22 .12	NO NO		21 13	
F 87R			J10-C P111F-11	25 10				.22 .12	NO NO		21 13	

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REV LTR ~~8~~ E
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 88	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 88B	3		E220-B SHLD F88	44				.25 .25	NO NO			
F 88L			J10-F P112F-6	25 13				.22 .12	NO NO		21 13	
F 88R			J10-E P112F-5	25 13				.22 .12	NO NO		21 13	
F 89	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 27, 26	
F 89B	3		E230-B SHLD F89	52				.25 .25	NO NO			
F 89W			J10-G P120F-9	25 21				.22 .12	NO NO		21 13	
F 90	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 27, 26	
F 90B	3		E230-B SHLD F90	52				.25 .25	NO NO			
F 90W			J10-H P120F-10	25 21				.22 .12	NO NO		21 13	
F 91	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 27, 26	
F 91B	3		E230-B SHLD F91	52				.25 .25	NO NO			

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REV LTR ~~8~~ E
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 91W			J10-J P120F-13	25 21				.22 .12	NO NO		21 13	
F 92	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 28	
F 92B	3		E230-B SHLD F92	52				.25 .25	NO NO			
F 92W			J10-L P120F-14	25 21				.22 .12	NO NO		21 13	
F 93	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 93B	3		E205-B SHLD F93	33				.25 .25	NO NO			
F 93L			J10-S P103F-24	25 6				.22 .12	NO NO		21 13	
F 93R			J10-R P103F-23	25 6				.22 .12	NO NO		21 13	
F 94	3		J10-T E205-B	25 33				.22 .25	NO NO		21	
F 95	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 95B	3		E206-B SHLD F95	34				.25 .25	NO NO			
F 95L			J10-V P104F-26	25 5				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 95R			J10-U P104F-27	25 5				.22 .12	NO NO		21 13	
F 96	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 96B	3		P105F-31 SHLD F96	4				.12 .25	NO NO		13	
F 96L			J10-X P105F-12	25 4				.22 .12	NO NO		21 13	
F 96R			J10-W P105F-11	25 4				.22 .12	NO NO		21 13	
F 97	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 97B	3		E206-B SHLD F97	34				.25 .25	NO NO			
F 97L			J10-Z P104F-30	25 5				.22 .12	NO NO		21 13	
F 97R			J10-Y P104F-29	25 5				.22 .12	NO NO		21 13	
F 98	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 98B	3		E201-B SHLD F98	29				.25 .25	NO NO			
F 98L			J10-B* P100F-18	25 1				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 98R			J10-A* P100F-17	25 1				.22 .12	NO NO		21 13	
F 99	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 99B	3		E214-B SHLD F99	39				.25 .25	NO NO			
F 99L			J10-D* P109F-12	25 12				.22 .12	NO NO		21 13	
F 99R			J10-C* P109F-11	25 12				.22 .12	NO NO		21 13	
F 100	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 100B	3		E214-B SHLD F100	39				.25 .25	NO NO			
F 100L			J10-F* P109F-6	25 12				.22 .12	NO NO		21 13	
F 100R			J10-E* P109F-5	25 12				.22 .12	NO NO		21 13	
F 101	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 101B	3		P108F-32 SHLD F101	9				.12 .25	NO NO		13	
F 101L			J10-H* P108F-30	25 9				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 101R			J10-G* P108F-29	25 9				.22 .12	NO NO		21 13	
F 102	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 102B	3		E204-B SHLD F102	32				.25 .25	NO NO			
F 102L			J10-J* P103F-6	25 6				.22 .12	NO NO		21 13	
F 102R			J10-I* P103F-5	25 6				.22 .12	NO NO		21 13	
F 103	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 103B	3		E228-B SHLD F103	50				.25 .25	NO NO			
F 103L			J10-M* P119F-30	25 20				.22 .12	NO NO		21 13	
F 103R			J10-K* P119F-29	25 20				.22 .12	NO NO		21 13	
F 104	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 104B	3		E215-B SHLD F104	40				.25 .25	NO NO			
F 104L			J10-P* P110F-28	25 11				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 104R			J10-N* P110F-27	25 11				.22 .12	NO NO		21 13	
F 105	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 105B	3		E215-B SHLD F105	40				.25 .25	NO NO			
F 105L			J10-R* P110F-24	25 11				.22 .12	NO NO		21 13	
F 105R			J10-Q* P110F-23	25 11				.22 .12	NO NO		21 13	
F 106	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 106B	3		E215-B SHLD F106	40				.25 .25	NO NO			
F 106L			J10-T* P110F-22	25 11				.22 .12	NO NO		21 13	
F 106R			J10-S* P110F-21	25 11				.22 .12	NO NO		21 13	
F 107	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 107B	3		E203-B SHLD F107	31				.25 .25	NO NO			
F 107L			J10-V* P102F-30	25 3				.22 .12	NO NO		21 13	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 107R			J10-U* P102F-29	25 3				.22 .12	NO NO		21 13	
F 108	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 108B	3		E203-B SHLD F108	31				.25 .25	NO NO			
F 108L			J10-X* P102F-28	25 3				.22 .12	NO NO		21 13	
F 108R			J10-W* P102F-27	25 3				.22 .12	NO NO		21 13	
F 109	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 109B	3		E228-B SHLD F109	50				.25 .25	NO NO			
F 109L			J10-Z* P119F-28	25 20				.22 .12	NO NO		21 13	
F 109R			J10-Y* P119F-27	25 20				.22 .12	NO NO		21 13	
F 110	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 110B	3		E202-B SHLD F110	30				.25 .25	NO NO			
F 110L			J10-BB P101F-18	25 2				.22 .12	NO NO		21 13	

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MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 110R			J10-AA P101F-17	25 2				.22 .12	NO NO		21 13	
F 111	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 111B	3		E202-B SHLD F111	30				.25 .25	NO NO			
F 111L			J10-DD P101F-16	25 2				.22 .12	NO NO		21 13	
F 111R			J10-CC P101F-15	25 2				.22 .12	NO NO		21 13	
F 112	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 112B	3		E202-B SHLD F112	30				.25 .25	NO NO			
F 112L			J10-FF P101F-12	25 2				.22 .12	NO NO		21 13	
F 112R			J10-EE P101F-11	25 2				.22 .12	NO NO		21 13	
F 113	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 113B	3		E202-B SHLD F113	30				.25 .25	NO NO			
F 113L			J10-HH P101F-6	25 2				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE-NONE
REV LTR ~~B~~ E
SHEET 39 OF 56 ~~55~~

MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 113R			J10-GG P101F-5	25 2				.22 .12	NO NO		21 13	
F 114	3		J11-A P115F-27	26 18				.22 .12	NO NO		21 13	
F 115	3		J11-B E220-B	26 44				.22 .25	NO NO		21	
F 116	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 116B	3		E218-B SHLD F116	42				.25 .25	NO NO			
F 116L			J11-D P111F-2	26 10				.22 .12	NO NO		21 13	
F 116R			J11-C P111F-1	26 10				.22 .12	NO NO		21 13	
F 117	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 117B	3		E218-B SHLD F117	42				.25 .25	NO NO			
F 117L			J11-F P111F-20	26 10				.22 .12	NO NO		21 13	
F 117R			J11-E P111F-19	26 10				.22 .12	NO NO		21 13	
F 118	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE-NONE
REV LTR ~~B~~ E
SHEET 40 OF 56 ~~55~~

MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 118B	3		E230-B SHLD F118	52				.25 .25	NO NO			
F 118L			J11-H P120F-22	26 21				.22 .12	NO NO		21 13	
F 118R			J11-G P120F-21	26 21				.22 .12	NO NO		21 13	
F 119	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 119B	3		E202-B SHLD F119	30				.25 .25	NO NO			
F 119L			J11-K P101F-20	26 2				.22 .12	NO NO		21 13	
F 119R			J11-J P101F-19	26 2				.22 .12	NO NO		21 13	
F 120	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 120B	3		P116F-32 SHLD F120	17				.12 .25	NO NO		13	
F 120L			J11-M P116F-2	26 17				.22 .12	NO NO		21 13	
F 120R			J11-L P116F-1	26 17				.22 .12	NO NO		21 13	
F 122	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE-NONE
REV LTR ~~B~~ E
SHEET 41 OF 56 ~~55~~

MIL 2064 4-63

29C0546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 122B	3		E204-B SHLD F122	32				.25 .25	NO NO			
F 122W			J11-P P103F-~~25~~ 29	26 6				.22 .12	NO NO		21 13	
F 123	28				2.25 .38	2.00 .19				B,6B	14, 25 33, 34	
F 123A	3		SHLD F123 J11-S	 26				.25 .22	NO NO		 21	
F 123B			J11-R P136-1	26 53				.44 .19	NO NO		21 35	
F 123X			SHLD F123 P136-2	 53								
F 124	3		J11-T P115F-28	26 18				.22 .12	NO NO		21 13	
F 125	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 125B	3		E225-B SHLD F125	47				.25 .25	NO NO			
F 125L			J11-V P117F-2	26 16				.22 .12	NO NO		21 13	
F 125R			J11-U P117F-1	26 16				.22 .12	NO NO		21 13	
F 126	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
29C0546
SCALE-NONE
REV LTR ~~B~~ E
SHEET 42 OF 56 ~~55~~

MIL 2064 4-63

29C0546 E 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 126B	3		E219-B SHLD 126	43				.25 .25	NO NO			
F 126L			J11-X P112F-2	26 13				.22 .12	NO NO		21 13	
F 126R			J11-W P112F-1	26 13				.22 .12	NO NO		21 13	
F 127	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 127B	3		E219-B SHLD F127	43				.25 .25	NO NO			
F 127L			J11-Z P112F-20	26 13				.22 .12	NO NO		21 13	
F 127R			J11-Y P112F-19	26 13				.22 .12	NO NO		21 13	
F 128	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 128B	3		E230-B SHLD F128	52				.25 .25	NO NO			
F 128L			J11-B* P120F-26	26 21				.22 .12	NO NO		21 13	
F 128R			J11-A* P120F-25	26 21				.22 .12	NO NO		21 13	
F 129	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR 8 E | SHEET 43 OF ~~55~~ 56

MIL 2084 4-63

29C0546 E 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 129B	3		E230-B SHLD F129	52				.25 .25	NO NO			
F 129L			J11-D* P120F-28	26 21				.22 .12	NO NO		21 13	
F 129R			J11-C* P120F-27	26 21				.22 .12	NO NO		21 13	
F 130	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 130B	3		E230-B SHLD F130	52				.25 .25	NO NO			
F 130W			J11-I* P120F-16	26 21				.22 .12	NO NO		21 13	
F 131	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 131B	3		E230-B SHLD F131	52				.25 .25	NO NO			
F 131W			J11-J* P120F-15	26 21				.22 .12	NO NO		21 13	
F 132	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 132B	3		E230-B SHLD F132	52				.25 .25	NO NO			
F 132W			J11-K* P120F-18	26 21				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 29C0546
SCALE - NONE | REV LTR 8 E | SHEET 44 OF ~~55~~ 56

MIL 2084 4-63

29C0546 E 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 133	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 133B	3		E230-B SHLD F133	52				.25 .25	NO NO			
F 133W			J11-M* P120F-17	26 21				.22 .12	NO NO		21 13	
F 134	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 134B	3		E202-B SHLD F134	30				.25 .25	NO NO			
F 134L			J11-R* P101F-22	26 2				.22 .12	NO NO		21 13	
F 134R			J11-Q* P101F-21	26 2				.22 .12	NO NO		21 13	
F 135	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 135B	3		E202-B SHLD F135	30				.25 .25	NO NO			
F 135L			J11-T* P101F-28	26 2				.22 .12	NO NO		21 13	
F 135R			J11-S* P101F-27	26 2				.22 .12	NO NO		21 13	
F 136	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR 8 E | SHEET 45 OF ~~55~~ 56

MIL 2084 4-63

29C0546 E 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 136B	3		E203-B SHLD F136	31				.25 .25	NO NO			
F 136L			J11-V* P102F-22	26 3				.22 .12	NO NO		21 13	
F 136R			J11-U* P102F-21	26 3				.22 .12	NO NO		21 13	
F 138	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 138B	3		E203-B SHLD F138	31				.25 .25	NO NO			
F 138L			J11-X* P102F-24	26 3				.22 .12	NO NO		21 13	
F 138R			J11-W* P102F-23	26 3				.22 .12	NO NO		21 13	
F 139	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 140	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 140B	3		E208-B SHLD F139	35				.25 .25	NO NO			
F 140L			J11-BB P105F-30	26 4				.22 .12	NO NO		21 13	
F 140R			J11-AA P105F-29	26 4				.22 .12	NO NO		21 13	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900546
SCALE - NONE | REV LTR 8 E | SHEET 46 OF ~~55~~ 56

MIL 2084 4-63

2900546 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 141	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 141B	3		E204-B SHLD F141	32				.25 .25	NO NO			
F 141L			J11-FF P103F-~~30~~ 26	26 6				.22 .12	NO NO		21 13	
F 141R			J11-EE P103F-~~29~~ 25	26 6				.22 .12	NO NO		21 13	
F 142	3		J11-GG P120F-1	26 21				.22 .12	NO NO		21 13	
F 143	3		J12-B E226-B	27 48				.22 .25	NO NO		21	
F 144	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 144B	3		E201-B SHLD F144	29				.25 .25	NO NO			
F 144L			J12-D P100F-30	27 1				.22 .12	NO NO		21 13	
F 144R			J12-C P100F-29	27 1				.22 .12	NO NO		21 13	
F 145	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 145B	3		E201-B SHLD F145	29				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	29C0546	
SCALE - NONE	REV LTR ~~8~~ E	SHEET 47 OF 56 ~~55~~	

MIL 2084 4-63

29C0546 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 145L			J12-F P100F-24	27 1				.22 .12	NO NO		21 13	
F 145R			J12-E P100F-23	27 1				.22 .12	NO NO		21 13	
F 146	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 146B	3		E203-B SHLD F146	31				.25 .25	NO NO			
F 146L			J12-H P102F-16	27 3				.22 .12	NO NO		21 13	
F 146R			J12-G P102F-15	27 3				.22 .12	NO NO		21 13	
F 147	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 147B	3		E203-B SHLD F147	31				.25 .25	NO NO			
F 147L			J12-K P102F-18	27 3				.22 .12	NO NO		21 13	
F 147R			J12-J P102F-17	27 3				.22 .12	NO NO		21 13	
F 148	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 148B	3		E225-B SHLD F148	47				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900546	
SCALE - NONE	REV LTR ~~8~~ E	SHEET 48 OF 56 ~~55~~	

MIL 2084 4-63

29C0546 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 148L			J12-M P117F-22	27 16				.22 .12	NO NO		21 13	
F 148R			J12-L P117F-21	27 16				.22 .12	NO NO		21 13	
F 149	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 149B	3		E225-B SHLD F149	47				.25 .25	NO NO			
F 149L			J12-F P117F-24	27 16				.22 .12	NO NO		21 13	
F 149R			J12-N P117F-23	27 16				.22 .12	NO NO		21 13	
F 150	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 150B	3		E204-B SHLD F150	32				.25 .25	NO NO			
F 150L			J12-S P103F-10	27 6				.22 .12	NO NO		21 13	
F 150R			J12-R P103F-9	27 6				.22 .12	NO NO		21 13	
F 151	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 151B	3		E204-B SHLD F151	32				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900546	
SCALE - NONE	REV LTR ~~8~~ E	SHEET 49 OF 56 ~~55~~	

MIL 2084 4-63

29C0546 E ~~8~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 151L			J12-U P103F-12	27 6				.22 .12	NO NO		21 13	
F 151R			J12-T P103F-11	27 6				.22 .12	NO NO		21 13	
F 152	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 152B	3		E211-B SHLD F152	37				.25 .25	NO NO			
F 152L			J12-X P107F-6	27 8				.22 .12	NO NO		21 13	
F 152R			J12-W P107F-5	27 8				.22 .12	NO NO		21 13	
F 153	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 153B	3		E208-B SHLD F153	35				.25 .25	NO NO			
F 153L			J12-B• P105F-4	27 4				.22 .12	NO NO		21 13	
F 153R			J12-A• P105F-3	27 4				.22 .12	NO NO		21 13	
F 154	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 154B	3		E227-B SHLD F154	49				.25 .25	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	29C0546	
SCALE - NONE	REV LTR ~~8~~ E	SHEET 50 OF 56 ~~55~~	

MIL 2084 4-63

2900546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 154L			J12-C* P119F-4	27 20				.22 .12	NO NO		21 13	
F 154R			J12-C* P119F-3	27 20				.22 .12	NO NO		21 13	
F 155	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 155B	3		E227-B SHLD F155	49				.25 .25	NO NO			
F 155L			J12-F* P119F-6	27 20				.22 .12	NO NO		21 13	
F 155R			J12-E* P119F-5	27 20				.22 .12	NO NO		21 13	
F 156	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 156B	3		E227-B SHLD F156	49				.25 .25	NO NO			
F 156L			J12-H* P119F-10	27 20				.22 .12	NO NO		21 13	
F 156R			J12-G* P119F-9	27 20				.22 .12	NO NO		21 13	
F 157	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 157B	3		E226-B SHLD F157	48				.25 .25	NO NO			

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900546

SCALE-NONE

REV LTR ~~B~~ E

SHEET 51 OF 56 ~~55~~

MIL 2064 4-63

2900546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 157N			J12-N* P118F-23	27 19				.22 .12	NO NO		21 13	
F 158	2				2.25 4.00	2.00 3.75				A,7 B,6A	15 14, 26	
F 158B	3		E226-B SHLD F158	48				.25 .25	NO NO			
F 158N			J12-P* P118F-27	27 19				.22 .12	NO NO		21 13	
F 159	5		E201-BB P100F-32	29 1				.25 .12	NO NO		13	
F 160	5		E202-BB P101F-32	30 2				.25 .12	NO NO		13	
F 161	5		E203-BB P102F-32	31 3				.25 .12	NO NO		13	
F 162	5		E204-BB P103F-32	32 6				.25 .12	NO NO		13	
F 163	5		E205-BB P103F-31	33 6				.25 .12	NO NO		13	
F 164	5		E206-BB P104F-31	34 5				.25 .12	NO NO		13	
F 166	5		E208-BB P105F-32	35 4				.25 .12	NO NO		13	
F 168	5		E210-BB P106F-32	36 7				.25 .12	NO NO		13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900546

SCALE-NONE

REV LTR ~~B~~ E

SHEET 52 OF 56 ~~55~~

MIL 2064 4-63

2900546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 169	5		E211-BB P107F-32	37 8				.25 .12	NO NO		13	
F 170	5		E212-BB P107F-31	38 8				.25 .12	NO NO		13	
F 172	5		E214-BB P109F-32	39 12				.25 .12	NO NO		13	
F 173	5		E215-BB P110F-32	40 11				.25 .12	NO NO		13	
F 175	5		E217-BB P111F-31	41 10				.25 .12	NO NO		13	
F 176	5		E218-BB P111F-32	42 10				.25 .12	NO NO		13	
F 177	5		E219-BB P112F-32	43 13				.25 .12	NO NO		13	
F 178	5		E220-BB P112F-31	44 13				.25 .12	NO NO		13	
F 179	5		E221-BB P113F-32	45 14				.25 .12	NO NO		13	
F 180	5		E222-BB P113F-31	46 14				.25 .12	NO NO		13	
F 183	5		E225-BB P117F-32	47 16				.25 .12	NO NO		13	
F 184	5		E226-BB P118F-31	48 19				.25 .12	NO NO		13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900546

SCALE-NONE

REV LTR ~~B~~ E

SHEET 53 OF 56 ~~55~~

MIL 2064 4-63

WIRING HARNESS F

2900546 E ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 185	5		E227-BB P119F-31	49 20				.25 .12	NO NO		13	
F 186	5		E228-BB P119F-32	50 20				.25 .12	NO NO		13	
F 187	5		E229-BB P120F-31	51 21				.25 .12	NO NO		13	
F 188	5		E230-BB P120F-32	52 21				.25 .12	NO NO		13	
F 220	5		E200-BB P100F-31	28 1				.25 .12	NO NO		13	
F 221	1				2.25 4.00	2.00 3.75				A,7 B,6A	23 14, 25	
F 221B	3		E304-B SHLD F221	32				.25 .25	NO NO			
F 221L			J12-Z P103F-4	27 6				.22 .12	NO NO		21 13	
F 221R			J12-Y P103F-3	27 6				.22 .12	NO NO		21 13	
F 222	3		J5-V* P113F-27	24 14				.22 .12	NO NO		21 13	
F 223	3		J5-W* P113F-28	24 14				.22 .12	NO NO		21 13	
F 224	3		J11-N P120F-2	26 21				.22 .12	NO NO		21 13	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS

SIZE A

2900546

SCALE-NONE

REV LTR ~~C~~ E

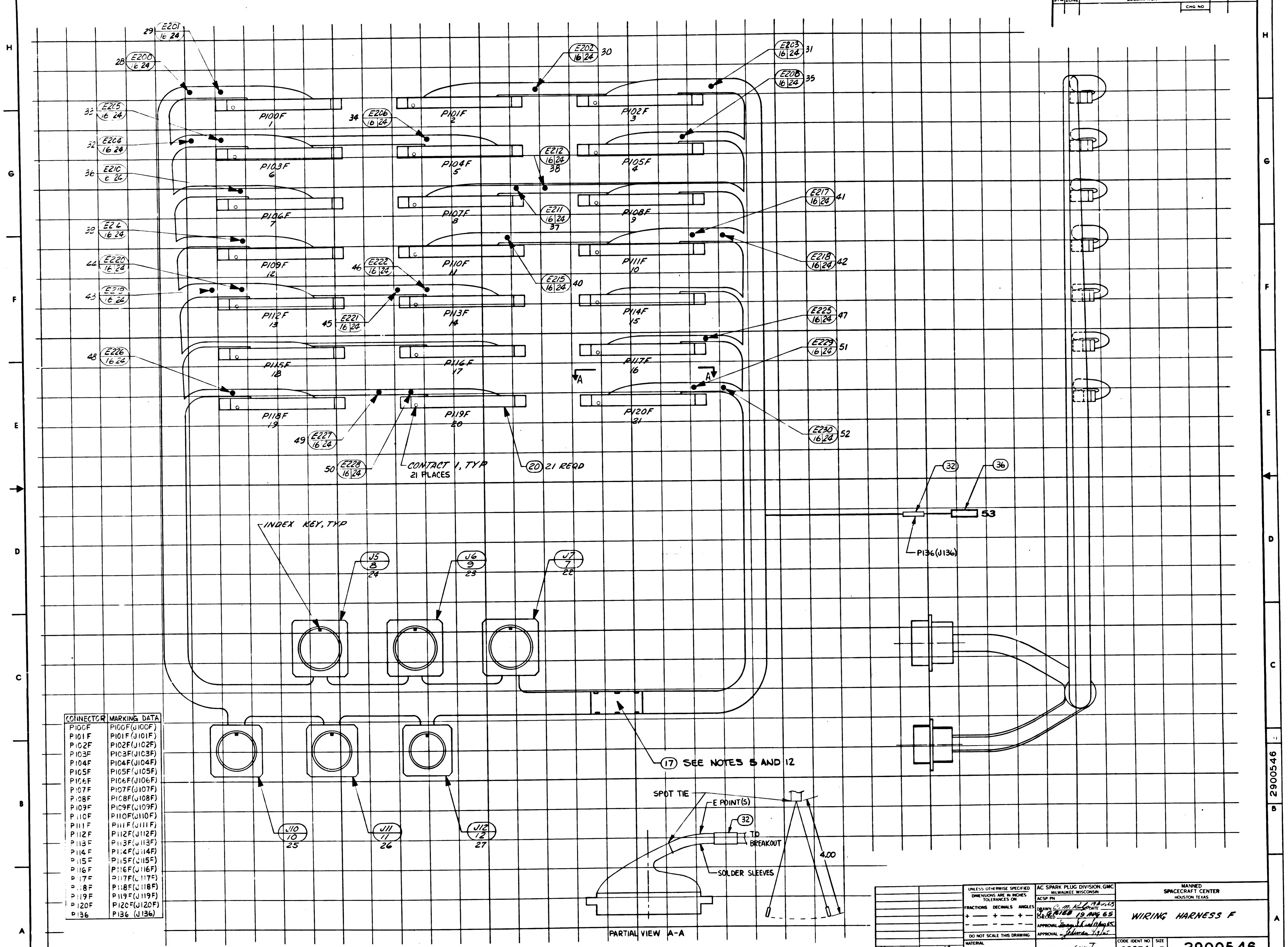
SHEET 54 OF 56 ~~55~~

MIL 2064 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	CKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
F 225	3		J12-A P115F-27	27 18				.22 .12	NO NO		21	
F 226	3		J12-V P115F-13	27 18				.22 .12	NO NO		21 13	
F 227	3		J12-K* P115F-7	27 18				.22 .12	NO NO		21 13	
F 228	3		J12-M* P115F-8	27 18				.22 .12	NO NO		21 13	

SIZE	CODE IDENT. NO.	
A		2900546
SCALE NONE	REV LTR E	SHEET 55 OF 56

MIL 2084 8-65


REVISIONS
SYM
ZONE
DESCRIPTION
DATE
APPD
CHG NO
29 E201 16 24
28 E200 16 24
E202 16 24 30
E203 16 24 31
E208 16 24 35
P100F 1
P101F 2
P102F 3
33 E205 16 24
32 E204 16 24
34 E206 16 24
P103F 6
P104F 5
P105F 4
E212 16 24 38
36 E210 16 24
E211 16 24 37
E217 16 24 41
P106F 7
P107F 8
P108F 9
39 E214 16 24
44 E220 16 24
46 E222 16 24
43 E219 16 24
P109F 12
P110F 11
P111F 10
E218 16 24 42
E215 16 24 40
P112F 13
45 E221 16 24
P113F 14
P114F 15
E225 16 24 47
E229 16 24 51
48 E226 16 24
P115F 18
P116F 17
P117F 16
A
A
P118F 19
P119F 20
P120F 21
E230 16 24 52
49 E227 16 24
50 E228 16 24
CONTACT 1, TYP 21 PLACES
20 21 REQD
32
36
53
P136(J136)
INDEX KEY, TYP
J5 8 24
J6 9 23
J7 7 22
17 SEE NOTES 5 AND 12
J10 10 25
J11 11 26
J12 12 27
SPOT TIE
E POINT(S)
32
TO BREAKOUT
4.00
SOLDER SLEEVES
PARTIAL VIEW A-A
2900546

CONNECTOR	MARKING DATA
P100F	P100F(J100F)
P101F	P101F(J101F)
P102F	P102F(J102F)
P103F	P103F(J103F)
P104F	P104F(J104F)
P105F	P105F(J105F)
P106F	P106F(J106F)
P107F	P107F(J107F)
P108F	P108F(J108F)
P109F	P109F(J109F)
P110F	P110F(J110F)
P111F	P111F(J111F)
P112F	P112F(J112F)
P113F	P113F(J113F)
P114F	P114F(J114F)
P115F	P115F(J115F)
P116F	P116F(J116F)
P117F	P117F(J117F)
P118F	P118F(J118F)
P119F	P119F(J119F)
P120F	P120F(J120F)
P136	P136 (J136)

2900058-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

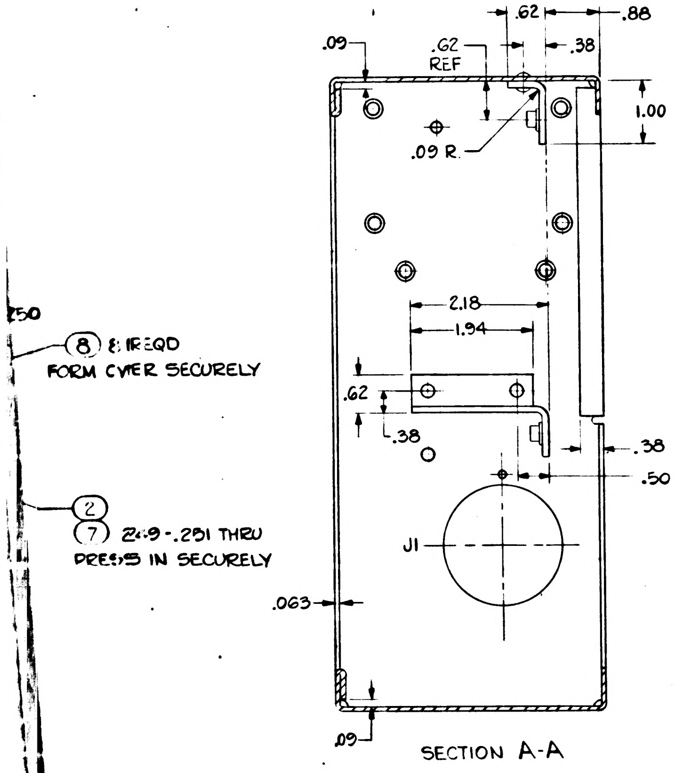
AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN C. M. Kulp DATE 19 Aug 65
CHECKED J. GRIEB 19 AUG 65
APPROVAL 19 Aug 65
APPROVAL Feldman
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS F

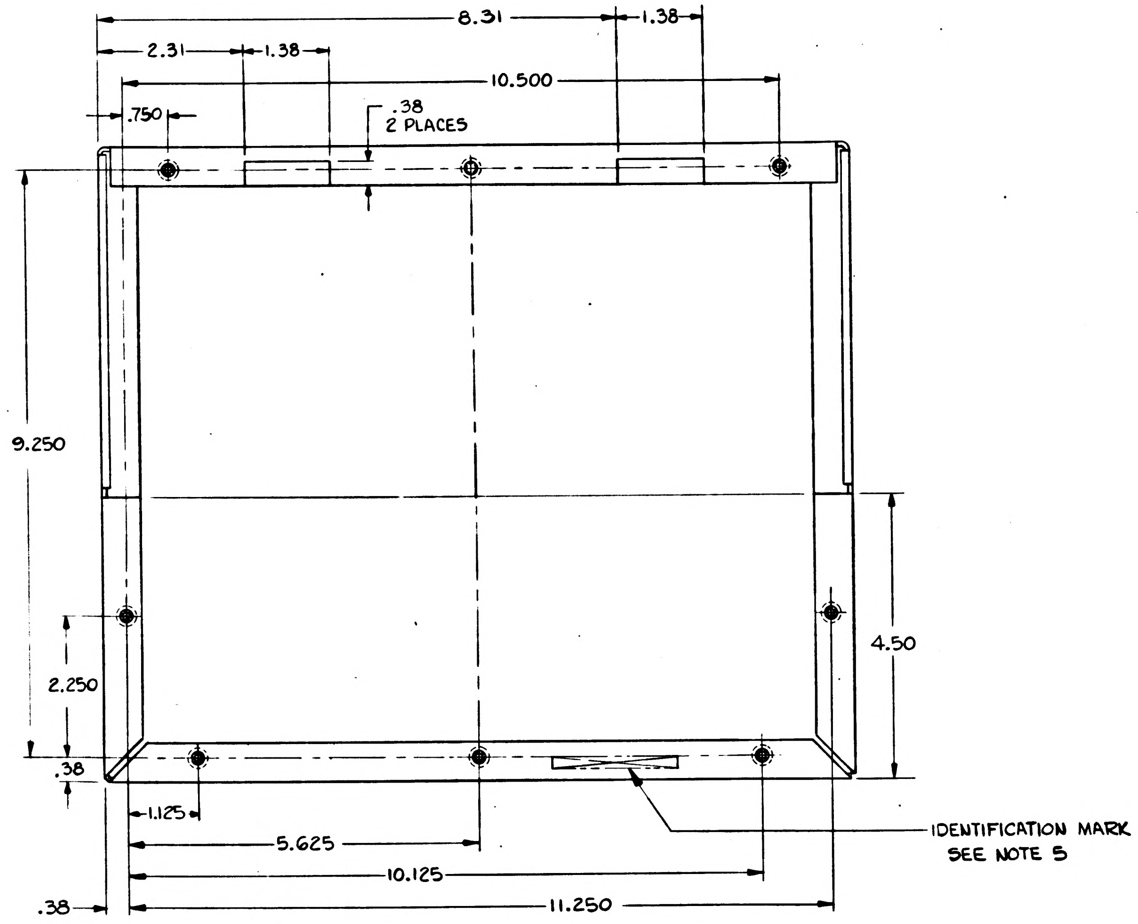
CODE IDENT NO. 99974
SIZE E
2900546
SCALE FULL
SHEET 53 OF 53

REVISIONS		23421			
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 23421		OCT 65	EMS



.09
.62 REF
.62
.88
.38
1.00
.09 R.
2.18
1.94
.62
.38
.38
.50
J1
.063
.09
250
8 8 REQD
FORM OVER SECURELY
2
7 2.49-.251 THRU
PRESS IN SECURELY

SECTION A-A



8.31
1.38
2.31
1.38
10.500
.750
.38
2 PLACES
9.250
4.50
2.250
.38
1.125
5.625
10.125
.38
11.250
IDENTIFICATION MARK
SEE NOTE 5

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 10	9	6	1010629-12	STUD, SELF CLINCHING
	8	8	MS20470AD3-5	RIVET, UNIV. HD
SEE NOTE 10	7	4	1015843-11	NUT-FLUSH MTD, CLINCH
SEE NOTE 10	6	30	1015843-6	NUT-FLUSH MTD, CLINCH
SEE NOTE 10	5	2	1015843-4	NUT-FLUSH MTD, CLINCH
	4	2	2900550-004	STOP
	3	1	-003	SLIDE
	2	1	-002	SLIDE
	1	1	2900550-001	CASE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900037-011	2900037-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − ; DECIMALS ±.02 ±.005 ; ANGLES + 2° −
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 8
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Izzal DATE 2 JUL 65
CHECKED C. Pizzla 19 JUL 65
APPROVAL E. Stoddard 19 JUL 65
APPROVAL L. Jedeman 9/7/65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CHASSIS, ELECTRICAL EQUIPMENT
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE J_2
2900550
SCALE FULL
SHEET 1 OF 1

Charleston 19 JUL 65

550 | SEN LTR 3 | SH 1

2/2900550

NOTES:

1- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2- ALL INSIDE BEND RADII .06

3- MUST BE FREE FROM BURRS AND SHARP EDGES.

4- MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.

5- IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).

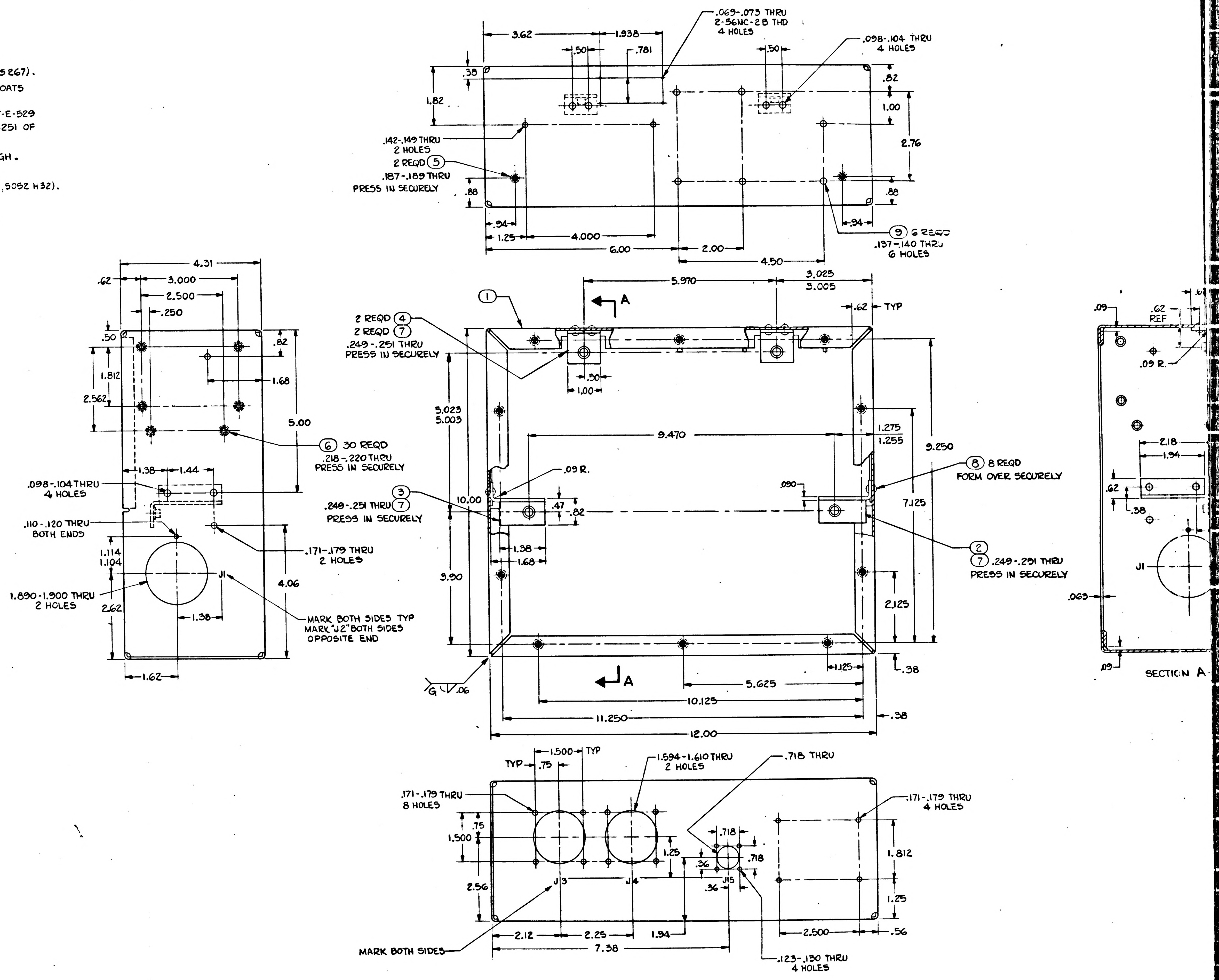
6- APPLY FINISH P513 OF MIL-F-14072. PRIME AND FINISH COATS TO BE APPLIED TO EXTERIOR SURFACES ONLY, USING MIL-P-8585 (ES 2589) PRIMER, AND TWO COATS OF TT-E-529 CLASS B, SEMI-GLOSS ENAMEL DARK GRAY, COLOR 26251 OF FED-STD-595.

7- MARK REFERENCE DESIGNATIONS PER ND1002019 .12 HIGH. CENTRALIZE AS SHOWN.

8- MATERIAL: QQ-A-250/8 TEMPER H32 (ES 2105 AL ALY, 5052 H32).

9- WELD PER MIL-W-8604.

10- VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.



.069-.073 THRU 2-56NC-2B THD 4 HOLES
.098-.104 THRU 4 HOLES
3.62
1.938
.50
.781
.38
1.82
.82
1.00
2.76
.142-.149 THRU 2 HOLES
2 REQD (5)
.187-.189 THRU PRESS IN SECURELY
.88
.94
1.25
4.000
6.00
2.00
4.50
(9) 6 REQD .137-.140 THRU 6 HOLES
4.31
.62
3.000
2.500
.250
.50
.82
1.812
2.562
1.68
5.00
(6) 30 REQD .218-.220 THRU PRESS IN SECURELY
1.38
1.44
.098-.104 THRU 4 HOLES
.110-.120 THRU BOTH ENDS
.171-.179 THRU 2 HOLES
1.114
1.104
1.890-1.900 THRU 2 HOLES
2.62
J1
1.38
4.06
MARK BOTH SIDES TYP MARK "J2" BOTH SIDES OPPOSITE END
1.62
(1)
A
5.970
3.025
3.005
.62 TYP
2 REQD (4)
2 REQD (7)
.249-.251 THRU PRESS IN SECURELY
.50
1.00
5.023
5.003
9.470
1.275
1.255
9.250
(8) 8 REQD FORM OVER SECURELY
.09 R.
.090
(3)
.249-.251 THRU (7) PRESS IN SECURELY
10.00
.47
.82
1.38
1.68
7.125
(2)
(7) .249-.251 THRU PRESS IN SECURELY
3.90
2.125
G .06
1.125
.38
5.625
10.125
11.250
12.00
.38
1.500 TYP
TYP .75
1.594-1.610 THRU 2 HOLES
.718 THRU
.171-.179 THRU 8 HOLES
.171-.179 THRU 4 HOLES
.75
1.500
1.25
.718
.36
.718
J3
J4
J15
.36
2.56
1.812
1.25
2.12
2.25
1.94
2.500
.56
7.38
MARK BOTH SIDES
.123-.130 THRU 4 HOLES
.09
.62 REF
.09 R.
2.18
1.94
.62
.38
J1
.063
.09
SECTION A

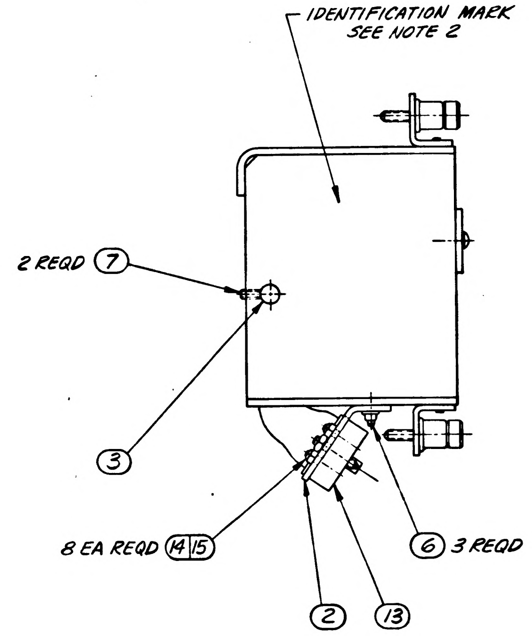
2900550 REV LTR A SH 1

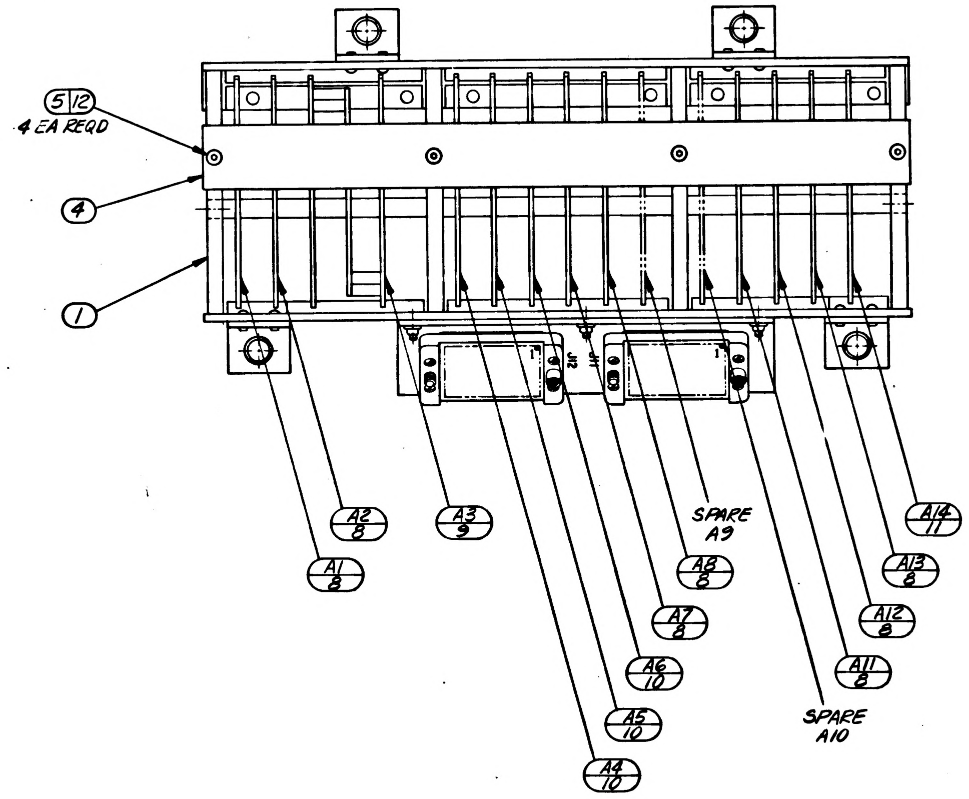
1/2900550

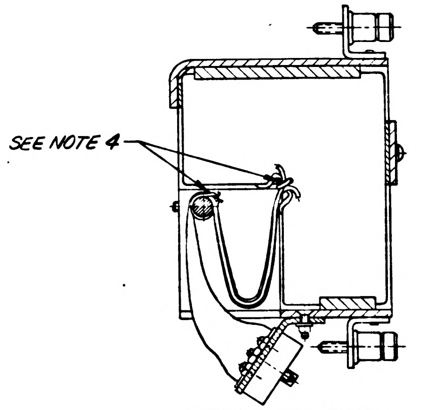
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4. SPOT TIE AS REQUIRED USING ITEM ⑲.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑯ & ⑰ OR ITEM ⑱.
6. UNPREPARED WIRES TERMINATING AT A1 THRU A14 SHALL BE CUT TO LENGTH AS REQUIRED, STRIPPED 0.25 AND TINNED AT THIS ASSEMBLY.

REVISIONS 23421					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 203618		3 AUG 65	
B		REVISED PER MXC 203745	—	OCT 65	
C		INITIAL RELEASE CLASS A PER TDRR 23421		14 OCT 65	EMS







TYPICAL SECTION SHOWING HARNESS ROUTING

					011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
					AR		19	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK WAXED (ES2732, NO. 18)
					AR		18	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
					AR		17	MIL-F-14256 TYPE	A OR W FLUX (ES2798)
					AR		16	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
SEE NOTE 3					8		15	1016151-004	NUT-SELF LOCKING
					8		14	AN500AD4-8	(1897012-426) SCREW-MACHINE
					1		13	2900556	WIRING HARNESS "B"
					4		12	MS35338-79	WASHER, LOCK
					1		11	2900144-021	PULSE AMPLIFIER ASSEMBLY
					3		10	2900130-011	AC VOLTAGE AMPLIFIER ASSY
					1		9	2900231-011	BAND PASS AMPLIFIER ASSY
					7		8	1902433-011	AC AMPLIFIER ASSEMBLY
					2		7	NAS1081C06D5L	(1897023-545) SETSCREW
SEE NOTE 3					3		6	1015831-195	SCREW-FL HD, 100° HEX SOCKET
SEE NOTE 3					4		5	1006783-22	SCREW, BUTTON HD, HEX SOCKET
					1		4	2900554	STRIP, RETAINER (INSEP ASSY)
					1		3	2900553	ROD, HOLDING
					1		2	2900555	BRACKET, CONNECTOR (INSEP ASSY)
					1		1	2900552	CARD HOLDER (INSEP ASSY)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900037-011	2900037-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + ___ − DECIMALS + ___ − ANGLES + ___ −
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN MCKiedel DATE 7 JUL 65
CHECKED C. Pionda 15 JUL 65
APPROVAL G. STODDARD 19 Jul 65
APPROVAL L. Jedman 9/21/65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER ASSEMBLY,
COMPONENT CARD

CODE IDENT NO 99974
SIZE E
2900551
SCALE 1:1
SHEET 1 OF 1

Charleston 9 Jul 65

APPLICATION	
NEXT ASSY	USED ON
2900551-011	2900037-011

REVISIONS 23421

SYM	DESCRIPTION	DATE	APPROVAL
C	REPLACES REVISION B WITH CHANGE PER MXC 205304	29 SEP 65	JWP
D	REVISED PER MXC 205746	9 OCT 65	RP EF
E	INITIAL RELEASE CLASS A PER TDRR 23421	18 OCT 65	JR CW

REV	E																					
SHEET	22																					
REV STATUS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN C. Knotek DATE 25 AUG 65
CHECKED J. GRIEB 15 SEP 65
APPROVAL R. Ingold 17 SEP 65
APPROVAL L. Jackman 10/21/65
NASA APPROVAL
MIT APPROVAL 21 Oct 65
CONTRACT NAS 9-497

WIRING HARNESS "B"

CODE IDENT NO.	SIZE		REV
99974	A	2900556	E

SCALE —

SHEET 1 OF 22

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002032 B - ND1002206
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 17.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
10	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
11	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 16 OR ITEMS 14 AND 15.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900556
SCALE-NONE
REV LTR C E
SHEET 2 OF 22

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
14	LEADS A72 AND A73 BOTH TO BE FASTENED TO ITEM 10.
15	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
16	ASSEMBLE PER ND 1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900556
SCALE-NONE
REV LTR C E
SHEET 3 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900556-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHITE 60 FEET TOTAL LENGTH
	2	1	2900556-002	WIRE, ND1002181, TYPE 1, CLASS 4, 24AWG, WHITE WITH WHITE JACKET, 10 FEET TOTAL LENGTH
	3	1	2900556-003	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHITE/RED, WHITE/BLUE, WITH WHITE JACKET 30 FEET TOTAL LENGTH
7	4	74	1010490-198	INSULATION-SLEEVING, HEAT SHRINK
7	5	10	1000243-003	FERRULE, ELECTRICAL CONDUCTOR (INNER)
7	6	10	1000242-002	FERRULE, ELECTRICAL CONDUCTOR (OUTER)
7	7	30	1000243-006	FERRULE, ELECTRICAL CONDUCTOR (INNER)
7	8	30	1000242-005	FERRULE, ELECTRICAL CONDUCTOR (OUTER)
7	9	78	1015817-424	PIN CONTACTS
7	10	1	1015817-420	PIN CONTACTS
7	11	5	1016006-002	SPLICE-REDUCER
7	12	5	1010490-226	INSULATION-SLEEVING, HEAT SHRINK
7	13	2	1015817-660	CONNECTOR-RECEPTACLE, ELEC
	14	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	15	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	16	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900556
SCALE-NONE
REV LTR C E
SHEET 4 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, WAXED, (ES2732 NO. 18)
7	18	1	1016128-001	BAND-IDENTIFICATION, BLANK

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900556
SCALE-NONE
REV LTR C E
SHEET 5 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 1A	1		SHLD B1 E2-B	 20				.25 .25	NO NO			
B 1L			J12-4 A3-7	18 4				.19	NO NO		9	
B 1R			J12-3 A3-12	18 4				.19	NO NO		9	
B 2	1		J12-14 A3-82	18 3				.19	NO NO		9	
B 3	1		J12-8 A3-79	18 3				.19	NO NO		9	
B 4	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 4A	1		SHLD B4 E2-B	 20				.25 .25	NO NO			
B 4L			J12-50 A1-31	18 1				.19	NO NO		9	
B 4R			J12-44 A1-19	18 1				.19	NO NO		9	
B 5	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 5A	1		SHLD B5 E2-B	 20				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE - NONE	REV LTR ~~D~~ E	SHEET 6 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5L			J12-53 A1-9	18 1				.19	NO NO		9	
B 5R			J12-47 A1-1	18 1				.19	NO NO		9	
B 6	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 6A	1		SHLD B6 E2-B	 20				.25 .25	NO NO			
B 6L			J12-29 A2-31	18 2				.19	NO NO		9	
B 6R			J12-23 A2-19	18 2				.19	NO NO		9	
B 7	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 7A	1		SHLD B7 E2-B	 20				.25 .25	NO NO			
B 7L			J12-10 A2-9	18 2				.19	NO NO		9	
B 7R			J12-9 A2-1	18 2				.19	NO NO		9	
B 8	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 8A	1		SHLD B8 E2-B	 20				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE - NONE	REV LTR ~~D~~ E	SHEET 7 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 8L			J12-52 A7-31	18 8				.19	NO NO		9	
B 8R			J12-51 A7-19	18 8				.19	NO NO		9	
B 9	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 9A	1		SHLD B9 E2-B	 20				.25 .25	NO NO			
B 9L			J12-40 A7-9	18 8				.19	NO NO		9	
B 9R			J12-39 A7-1	18 8				.19	NO NO		9	
B 10	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 10A	1		SHLD B10 E3-B	 19				.25 .25	NO NO			
B 10L			J12-28 A8-31	18 9				.19	NO NO		9	
B 10R			J12-27 A8-19	18 9				.19	NO NO		9	
B 11	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 11A	1		SHLD B11 E3	 19				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE - NONE	REV LTR ~~D~~ E	SHEET 8 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 11B			DELETED									
B 11L			J12-16 A8-9	18 9				.19	NO NO		9	
B 11R			J12-15 A8-1	18 9				.19	NO NO		9	
B 12	1		A1-13 J12-30	1 18				 .19	NO NO		 9	
B 13	1		A3-89 J12-6	3 18				 .19	NO NO		 9	
B 14	1		A3-96 J12-5	3 18				 .19	NO NO		 9	
B 15	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 15B	1		E3-B SHLD B15	19				.25 .25	NO NO			
B 15L			A3-86 J12-26	3 18				 .19	NO NO		 9	
B 15R			A3-91 J12-20	3 18				 .19	NO NO		 9	
B 16	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 16B	1		E3-B SHLD B16	19				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE - NONE	REV LTR ~~D~~ E	SHEET 9 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16W			A4-4 J12-24	5 18				 .19	NO NO		 9	
B 17	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 17B	1		E3-B SHLD B17	19				.25 .25	NO NO			
B 17L			A5-12 J12-59	6 18				 .19	NO NO		 9	
B 17R			A5-13 J12-56	6 18				 .19	NO NO		 9	
B 18	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 18B	1		E3-B SHLD B18	19				.25 .25	NO NO			
B 18W			A5-4 J12-18	6 18				 .19	NO NO		 9	
B 19	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 19B	1		E3-B SHLD B19	19				.25 .25	NO NO			
B 19L			A6-12 J12-41	7 18				 .19	NO NO		 9	
B 19R			A6-13 J12-35	7 18				 .19	NO NO		 9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~ E	SHEET 10 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 20B	1		E4-B SHLD B20	17				.25 .25	NO NO			
B 20W			A6-4 J12-12	7 18				 .19	NO NO		 9	
B 21	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 21B	1		E4-B SHLD B21	17				.25 .25	NO NO			
B 21L			A2-15 J12-17	2 18				 .19	NO NO		 9	
B 21R			A2-17 J12-11	2 18				 .19	NO NO		 9	
B 22	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 22B	1		E4-B SHLD B22	17				.25 .25	NO NO			
B 22L			A7-32 J12-58	8 18				 .19	NO NO		 9	
B 22R			A7-40 J12-57	8 18				 .19	NO NO		 9	
B 23	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~ E	SHEET 11 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 23B	1		E4-B SHLD B23	17				.25 .25	NO NO			
B 23L			A7-15 J12-46	8 18				 .19	NO NO		 9	
B 23R			A7-17 J12-45	8 18				 .19	NO NO		 9	
B 24	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 24B	1		E4-B SHLD B24	17				.25 .25	NO NO			
B 24L			A8-32 J12-34	9 18				 .19	NO NO		 9	
B 24R			A8-40 J12-33	9 18				 .19	NO NO		 9	
B 25	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 25B	1		E4-B SHLD B25	17				.25 .25	NO NO			
B 25L			A8-15 J12-22	9 18				 .19	NO NO		 9	
B 25R			A8-17 J12-21	9 18				 .19	NO NO		 9	
B 26	1		A1-32 A4-7	1 5					NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~ E	SHEET 12 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 27	1		A1-40 A4-4	1 5					NO NO			
B 28	1		A1-15 A5-7	1 6					NO NO			
B 29	1		A1-17 A5-4	1 6					NO NO			
B 30	1		A2-32 A6-7	2 7					NO NO			
B 31	1		A2-40 A6-4	2 7					NO NO			
B 32	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 32A	1		SHLD B32 E5-B	 15				.25 .25	NO NO			
B 32L			J11-56 A12-31	16 11				.19 	NO NO		9 	
B 32R			J11-50 A12-19	16 11				.19 	NO NO		9 	
B 33	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 33A	1		SHLD B33 E5-B	 15				.25 .25	NO NO			
B 33L			J11-59 A12-9	16 11				.19 	NO NO		9 	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~ E	SHEET 13 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 33R			J11-53 A12-1	16 11				.19	NO NO		9	
B 34	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 34A	1		SHLD B34 E5-B	15				.25 .25	NO NO			
B 34W			J11-26 A13-31	16 12				.19	NO NO		9	
B 35	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 35A	1		SHLD B35 E5-B	15				.25 .25	NO NO			
B 35W			J11-35 A13-19	16 12				.19	NO NO		9	
B 36	1		A13-31 A13-9	12 12					NO NO			
B 37	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 37A	1		SHLD B37 E5-B	15				.25 .25	NO NO			
B 37W			J11-17 A13-1	16 12				.19	NO NO		9	
B 38	1		A13-9 A11-31	12 10					NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556

SCALE-NONE | REV LTR ~~D~~E | SHEET 14 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 39	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 39A	1		SHLD B39 E5-B	15				.25 .25	NO NO			
B 39W			J11-52 A11-31	16 10				.19	NO NO		9	
B 40	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 4CA	1		SHLD B40 E5-B	15				.25 .25	NO NO			
B 40W			J11-51 A11-19	16 10				.19	NO NO		9	
B 41	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 41B	1		E5-B SHLD B41	15				.25 .25	NO NO			
B 41L			A12-32 J11-44	11 16				.19	NO NO		9	
B 41R			A12-40 J11-38	11 16				.19	NO NO		9	
B 42	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 42B	1		E6-B SHLD B42	14				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556

SCALE-NONE | REV LTR ~~D~~E | SHEET 15 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 29C0556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42L			A12-15 J11-58	11 16				.19	NO NO		9	
B 42R			A12-17 J11-57	11 16				.19	NO NO		9	
B 43	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 43B	1		E6-B SHLD B43	14				.25 .25	NO NO			
B 43L			A13-32 J11-47	12 16				.19	NO NO		9	
B 43R			A13-40 J11-41	12 16				.19	NO NO		9	
B 44	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 44B	1		E6-B SHLD B44	14				.25 .25	NO NO			
B 44L			A13-15 J11-29	12 16				.19	NO NO		9	
B 44R			A13-17 J11-23	12 16				.19	NO NO		9	
B 45	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 45A	1		SHLD B45 J11-11	16				.25 .19	NO NO		9	

CODE IDENT NO. 99974 | SIZE A | 2900556

SCALE-NONE | REV LTR ~~D~~E | SHEET 16 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45B	1		A11-32 SHLD B45	10				.25	NO NO			
B 45L			A11-32 J11-10	10 16				.19	NO NO		9	
B 45R			A11-40 J11-9	10 16				.19	NO NO		9	
B 46	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 46A	1		SHLD B46 E6-B	14				.25 .25	NO NO			
B 46L			J11-16 A11-9	16 10				.19	NO NO		9	
B 46R			J11-15 A11-1	16 10				.19	NO NO		9	
B 47	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 47A	1		SHLD B47 J11-27	16				.25 .19	NO NO		9	
B 47B	1		A11-15 SHLD B47	10				.25	NO NO			
B 47L			A11-15 J11-22	10 16				.19	NO NO		9	
B 47R			A11-17 J11-21	10 16				.19	NO NO		9	

CODE IDENT NO. 99974 | SIZE A | 2900556

SCALE-NONE | REV LTR ~~D~~E | SHEET 17 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 48A	1		SHLD B48 J11-40	 16				.25 .19	NO NO		9	
B 48B	1		A14-5 SHLD B48	13				 .25	NO NO			
B 48L			A14-5 J11-46	13 16				 .19	NO NO		9	
B 48R			A14-1 J11-45	13 16				 .19	NO NO		9	
B 49			DELETED									
B 50	1		A1-38 A2-13	1 2					NO NO			
B 51	1		A1-38 A1-13	1 1					NO NO			
B 52			DELETED									
B 53	1		A2-38 A2-13	2 2					NO NO			
B 54	1		A2-38 A4-21	2 5					NO NO			
B 55			DELETED									

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR DE	SHEET 18 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 56	1		A4-21 A5-21	5 6					NO NO			
B 57	1		A5-21 A6-21	6 7					NO NO			
B 58	1		A7-38 A7-13	8 8					NO NO			
B 59	1		A7-38 A8-13	8 9					NO NO			
B 60	1		A8-38 A8-13	9 9					NO NO			
B 61	1		A8-38 A11-13	9 10					NO NO			
B 62	1		A11-13 A11-38	10 10					NO NO			
B 63	1		A11-38 A12-13	10 11					NO NO			
B 64	1		A12-13 A12-38	11 11					NO NO			
B 65	1		A12-38 A13-13	11 12					NO NO			
B 66	1		A13-13 A13-38	12 12					NO NO			
B 67	1		A13-38 J11-20	12 16				 .19	NO NO		9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR DE	SHEET 19 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 68	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 68B	1		E4-B SHLD B68	17				.25 .25	NO NO			
B 68L			A4-12 J12-38	5 18				 .19	NO NO		9	
B 68R			A4-13 J12-32	5 18				 .19	NO NO		9	
B 69	1		A14-17 J11-39	13 16				 .19	NO NO		9	
B 70	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 70A	1		SHLD B70 E6-B	 14				.25 .25	NO NO			
B 70W			J11-34 A14-20	16 13				.19	NO NO		9	
B 71	1		J11-28 A14-8	16 13				.19	NO NO		9	
B 72	1		A14-3 J11-33	13 16				 .19	NO NO		 10	 SEE NOTE 14
B 73	1		J11-33 J11-32	16 16				.19 .19	NO NO		 9	SEE NOTE 14
B 74	1		E2-BB E3-BB	20 19				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR DE	SHEET 20 OF 22

MIL 2074 3-63 WIR

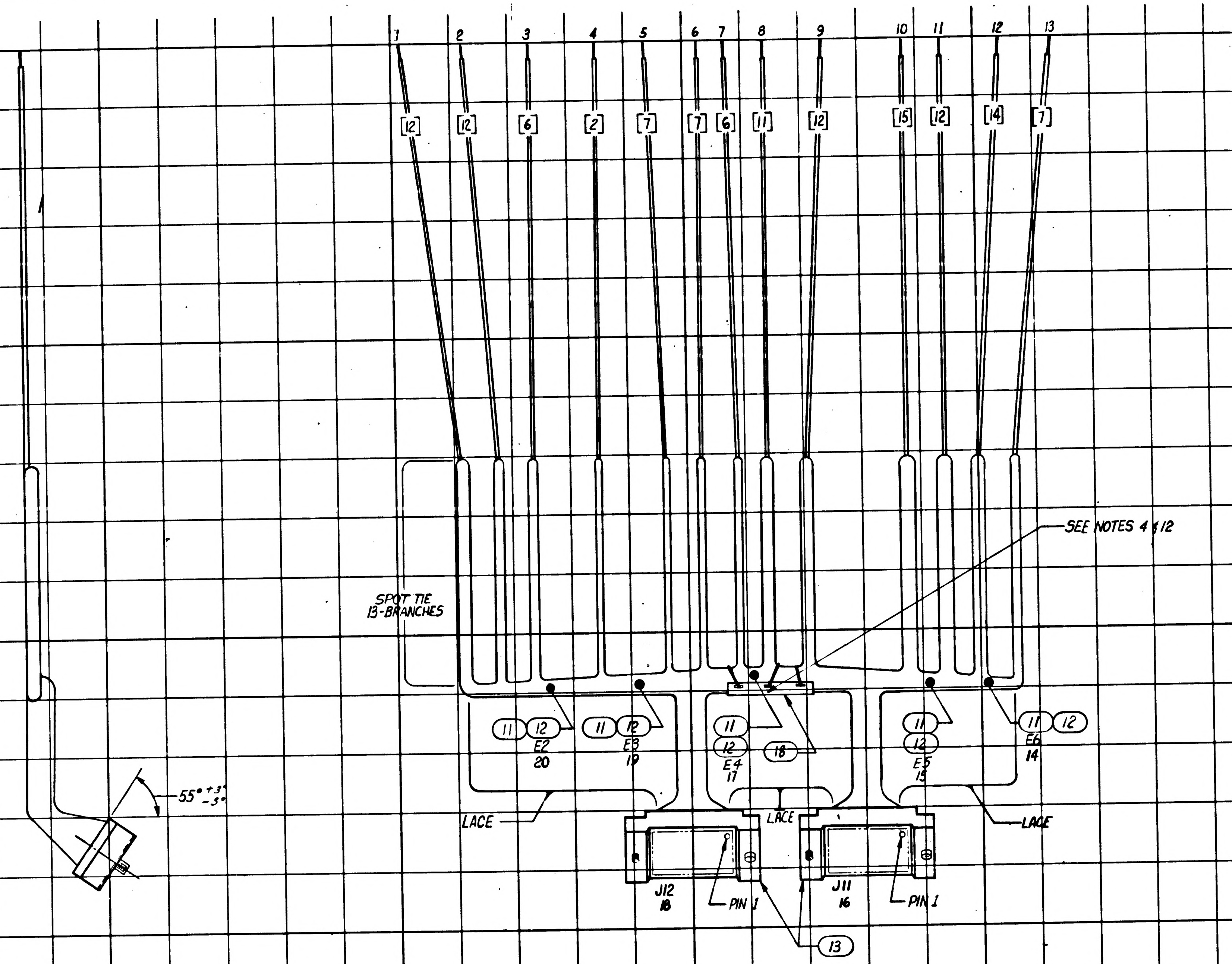
2900556 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 75	1		E3-BB E4-BB	19 17				.25 .25	NO NO			
B 76	1		E4-BB J12-36	17 18				.25 .19	NO NO			
B 77	1		E5-BB E6-BB	15 14				.25 .25	NO NO			
B 78	1		E6-BB J11-14	14 16				.25 .19	NO NO		9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900556
SCALE-NONE	REV LTR CE	SHEET 21 OF 22

MIL 2064 4-63

REVISIONS 23421					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



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2900551-011	2900037-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS + — − ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN C. Krotch DATE 25 AUG 65
CHECKED J. GRIEB 15 SEP 65
APPROVAL R. INGOLD 16 SEP 65
APPROVAL

NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE D
2900556
SCALE FULL
SHEET 22 OF 22

APPLICATION	
NEXT ASSY	USED ON
290055l-011	2900037-011

REVISIONS 23421

SYM	DESCRIPTION	DATE	APPROVAL
C	REPLACES REVISION B WITH CHANGE PER MXC 205304	29 SEP 65	JWP
D	REVISED PER MXC 205746	9 OCT 65	RP EF
Ⓜ E	INITIAL RELEASE CLASS A PER TDRR 23421	18 OCT 65	JR CW
F	REVISED PER TDRR 23783	10 NOV 65	RP EF

REV	F
SHEET	22

REV STATUS OF SHEETS																						
REV	F	E	F	E	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN C. Knotek DATE 25 AUG 65
CHECKED J. GRIEB 15 SEP 65
APPROVAL R. Ingold 17 SEP 65
APPROVAL L. Feldman 10/21/65

WIRING HARNESS "B"

NASA APPROVAL
MIT APPROVAL 21 Oct 65

CODE IDENT NO.	SIZE		REV
99974	A	2900556	F

CONTRACT NAS 9-497

SCALE —

SHEET 1 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002032 B - ND1002206
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 17.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
10	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
11	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 16 OR ITEMS 14 AND 15.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900556

SCALE-NONE | REV LTR ~~C~~ E | SHEET 2 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
14	LEADS A72 AND A73 BOTH TO BE FASTENED TO ITEM 10.
15	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
16	ASSEMBLE PER ND 1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

17 TAPE HARNESS USING ITEM 19.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900556

SCALE-NONE | REV LTR ~~C~~ F | SHEET 3 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900556-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHITE 60 FEET TOTAL LENGTH
	2	1	2900556-002	WIRE, ND1002181, TYPE 1, CLASS 4, 24AWG, WHITE WITH WHITE JACKET, 10 FEET TOTAL LENGTH
	3	1	2900556-003	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHITE/RED, WHITE/BLUE, WITH WHITE JACKET 30 FEET TOTAL LENGTH
7	4	74	1010490-198	INSULATION-SLEEVING, HEAT SHRINK
7	5	10	1000243-003	FERRULE, ELECTRICAL CONDUCTOR (INNER)
7	6	10	1000242-002	FERRULE, ELECTRICAL CONDUCTOR (OUTER)
7	7	30	1000243-006	FERRULE, ELECTRICAL CONDUCTOR (INNER)
7	8	30	1000242-005	FERRULE, ELECTRICAL CONDUCTOR (OUTER)
7	9	78	1015817-424	PIN CONTACTS
7	10	1	1015817-420	PIN CONTACTS
7	11	5	1016006-002	SPLICE-REDUCER
7	12	5	1010490-226	INSULATION-SLEEVING, HEAT SHRINK
7	13	2	1015817-660	CONNECTOR-RECEPTACLE, ELEC
	14	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	15	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	16	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900556

SCALE-NONE | REV LTR ~~C~~ E | SHEET 4 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, WAXED, (ES2732 NO. 18)
7	18	1	1016128-001	BAND-IDENTIFICATION, BLANK
17	19	AR	MIL-I-15126	TAPE, TYPE ACT (ES 2716-4, TYPE C).

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900556

SCALE-NONE | REV LTR ~~C~~ F | SHEET 5 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 1A	1		SHLD B1 E2-B	 20				.25 .25	NO NO			
B 1L			J12-4 A3-7	18 4				.19	NO NO		9	
B 1R			J12-3 A3-12	18 4				.19	NO NO		9	
B 2	1		J12-14 A3-82	18 3				.19	NO NO		9	
B 3	1		J12-8 A3-79	18 3				.19	NO NO		9	
B 4	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 4A	1		SHLD B4 E2-B	 20				.25 .25	NO NO			
B 4L			J12-50 A1-31	18 1				.19	NO NO		9	
B 4R			J12-44 A1-19	18 1				.19	NO NO		9	
B 5	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 5A	1		SHLD B5 E2-B	 20				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR ~~D~~ E | SHEET 6 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 5L			J12-53 A1-9	18 1				.19	NO NO		9	
B 5R			J12-47 A1-1	18 1				.19	NO NO		9	
B 6	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 6A	1		SHLD B6 E2-B	 20				.25 .25	NO NO			
B 6L			J12-29 A2-31	18 2				.19	NO NO		9	
B 6R			J12-23 A2-19	18 2				.19	NO NO		9	
B 7	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 7A	1		SHLD B7 E2-B	 20				.25 .25	NO NO			
B 7L			J12-10 A2-9	18 2				.19	NO NO		9	
B 7R			J12-9 A2-1	18 2				.19	NO NO		9	
B 8	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 8A	1		SHLD B8 E2-B	 20				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR ~~D~~ E | SHEET 7 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 8L			J12-52 A7-31	18 8				.19	NO NO		9	
B 8R			J12-51 A7-19	18 8				.19	NO NO		9	
B 9	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 9A	1		SHLD B9 E2-B	 20				.25 .25	NO NO			
B 9L			J12-40 A7-9	18 8				.19	NO NO		9	
B 9R			J12-39 A7-1	18 8				.19	NO NO		9	
B 10	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 10A	1		SHLD B10 E3-B	 19				.25 .25	NO NO			
B 10L			J12-28 A8-31	18 9				.19	NO NO		9	
B 10R			J12-27 A8-19	18 9				.19	NO NO		9	
B 11	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 11A	1		SHLD B11 E3	 19				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR ~~D~~ E | SHEET 8 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 11B			DELETED									
B 11L			J12-16 A8-9	18 9				.19	NO NO		9	
B 11R			J12-15 A8-1	18 9				.19	NO NO		9	
B 12	1		A1-13 J12-30	1 18				 .19	NO NO		 9	
B 13	1		A3-89 J12-6	3 18				 .19	NO NO		 9	
B 14	1		A3-96 J12-5	3 18				 .19	NO NO		 9	
B 15	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 15B	1		E3-B SHLD B15	19				.25 .25	NO NO			
B 15L			A3-86 J12-26	3 18				 .19	NO NO		 9	
B 15R			A3-91 J12-20	3 18				 .19	NO NO		 9	
B 16	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 16B	1		E3-B SHLD B16	19				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR ~~D~~ E | SHEET 9 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16W			A4-4 J12-24	5 18				 .19	NO NO		 9	
B 17	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 17B	1		E3-B SHLD B17	19				.25 .25	NO NO			
B 17L			A5-12 J12-59	6 18				 .19	NO NO		 9	
B 17R			A5-13 J12-56	6 18				 .19	NO NO		 9	
B 18	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 18B	1		E3-B SHLD B18	19				.25 .25	NO NO			
B 18W			A5-4 J12-18	6 18				 .19	NO NO		 9	
B 19	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 19B	1		E3-B SHLD B19	19				.25 .25	NO NO			
B 19L			A6-12 J12-41	7 18				 .19	NO NO		 9	
B 19R			A6-13 J12-35	7 18				 .19	NO NO		 9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 10 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 20	2				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 5, 6	
B 20B	1		E4-B SHLD B20	17				.25 .25	NO NO			
B 20W			A6-4 J12-12	7 18				 .19	NO NO		 9	
B 21	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 21B	1		E4-B SHLD B21	17				.25 .25	NO NO			
B 21L			A2-15 J12-17	2 18				 .19	NO NO		 9	
B 21R			A2-17 J12-11	2 18				 .19	NO NO		 9	
B 22	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 22B	1		E4-B SHLD B22	17				.25 .25	NO NO			
B 22L			A7-32 J12-58	8 18				 .19	NO NO		 9	
B 22R			A7-40 J12-57	8 18				 .19	NO NO		 9	
B 23	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 11 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 23B	1		E4-B SHLD B23	17				.25 .25	NO NO			
B 23L			A7-15 J12-46	8 18				 .19	NO NO		 9	
B 23R			A7-17 J12-45	8 18				 .19	NO NO		 9	
B 24	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 24B	1		E4-B SHLD B24	17				.25 .25	NO NO			
B 24L			A8-32 J12-34	9 18				 .19	NO NO		 9	
B 24R			A8-40 J12-33	9 18				 .19	NO NO		 9	
B 25	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 25B	1		E4-B SHLD B25	17				.25 .25	NO NO			
B 25L			A8-15 J12-22	9 18				 .19	NO NO		 9	
B 25R			A8-17 J12-21	9 18				 .19	NO NO		 9	
B 26	1		A1-32 A4-7	1 5					NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 12 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 27	1		A1-40 A4-4	1 5					NO NO			
B 28	1		A1-15 A5-7	1 6					NO NO			
B 29	1		A1-17 A5-4	1 6					NO NO			
B 30	1		A2-32 A6-7	2 7					NO NO			
B 31	1		A2-40 A6-4	2 7					NO NO			
B 32	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 32A	1		SHLD B32 E5-B	 15				.25 .25	NO NO			
B 32L			J11-56 A12-31	16 11				.19	NO NO		9	
B 32R			J11-50 A12-19	16 11				.19	NO NO		9	
B 33	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 33A	1		SHLD B33 E5-B	 15				.25 .25	NO NO			
B 33L			J11-59 A12-9	16 11				.19	NO NO		9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 13 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 33R			J11-53 A12-1	16 11				.19	NO NO		9	
B 34	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 34A	1		SHLD B34 E5-B	 15				.25 .25	NO NO			
B 34W			J11-26 A13-31	16 12				.19	NO NO		9	
B 35	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 35A	1		SHLD B35 E5-B	 15				.25 .25	NO NO			
B 35W			J11-35 A13-19	16 12				.19	NO NO		9	
B 36	1		A13-31 A13-9	12 12					NO NO			
B 37	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 37A	1		SHLD B37 E5-B	 15				.25 .25	NO NO			
B 37W			J11-17 A13-1	16 12				.19	NO NO		9	
B 38	1		A13-9 A11-31	12 10					NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 14 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 39	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 39A	1		SHLD B39 E5-B	 15				.25 .25	NO NO			
B 39W			J11-52 A11-31	16 10				.19	NO NO		9	
B 40	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 40A	1		SHLD B40 E5-B	 15				.25 .25	NO NO			
B 40W			J11-51 A11-19	16 10				.19	NO NO		9	
B 41	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 41B	1		E5-B SHLD B41	15				.25 .25	NO NO			
B 41L			A12-32 J11-44	11 16				 .19	NO NO		 9	
B 41R			A12-40 J11-38	11 16				 .19	NO NO		 9	
B 42	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 42B	1		E6-B SHLD B42	14				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 15 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 42L			A12-15 J11-58	11 16				 .19	NO NO		 9	
B 42R			A12-17 J11-57	11 16				 .19	NO NO		 9	
B 43	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 43B	1		E6-B SHLD B43	14				.25 .25	NO NO			
B 43L			A13-32 J11-47	12 16				 .19	NO NO		 9	
B 43R			A13-40 J11-41	12 16				 .19	NO NO		 9	
B 44	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 44B	1		E6-B SHLD B44	14				.25 .25	NO NO			
B 44L			A13-15 J11-29	12 16				 .19	NO NO		 9	
B 44R			A13-17 J11-23	12 16				 .19	NO NO		 9	
B 45	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 45A	1		SHLD B45 J11-11	 16				.25 .19	NO NO		 9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 16 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 45B	1		A11-32 SHLD B45	10				 .25	NO NO			
B 45L			A11-32 J11-10	10 16				 .19	NO NO		 9	
B 45R			A11-40 J11-9	10 16				 .19	NO NO		 9	
B 46	3				1.75 7.00	1.50 6.75				B,4 A,7	4, 7, 8 4	
B 46A	1		SHLD B46 E6-B	 14				.25 .25	NO NO			
B 46L			J11-16 A11-9	16 10				.19	NO NO		9	
B 46R			J11-15 A11-1	16 10				.19	NO NO		9	
B 47	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 47A	1		SHLD B47 J11-27	 16				.25 .19	NO NO		 9	
B 47B	1		A11-15 SHLD B47	10				 .25	NO NO			
B 47L			A11-15 J11-22	10 16				 .19	NO NO		 9	
B 47R			A11-17 J11-21	10 16				 .19	NO NO		 9	

CODE IDENT NO.	SIZE	
99974	A	2900556
SCALE-NONE	REV LTR ~~D~~E	SHEET 17 OF 22

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 48	3				7.00 1.75	6.75 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
B 48A	1		SHLD B48 J11-40	 16				.25 .19	NO NO		 9	
B 48B	1		A14-5 SHLD B48	13 				 .25	NO NO			
B 48L			A14-5 J11-46	13 16				 .19	NO NO		 9	
B 48R			A14-1 J11-45	13 16				 .19	NO NO		 9	
B 49			DELETED									
B 50	1		A1-38 A2-13	1 2					NO NO			
B 51	1		A1-38 A1-13	1 1					NO NO			
B 52			DELETED									
B 53	1		A2-38 A2-13	2 2					NO NO			
B 54	1		A2-38 A4-21	2 5					NO NO			
B 55			DELETED									

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR 0E | SHEET 18 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 56	1		A4-21 A5-21	5 6					NO NO			
B 57	1		A5-21 A6-21	6 7					NO NO			
B 58	1		A7-38 A7-13	8 8					NO NO			
B 59	1		A7-38 A8-13	8 9					NO NO			
B 60	1		A8-38 A8-13	9 9					NO NO			
B 61	1		A8-38 A11-13	9 10					NO NO			
B 62	1		A11-13 A11-38	10 10					NO NO			
B 63	1		A11-38 A12-13	10 11					NO NO			
B 64	1		A12-13 A12-38	11 11					NO NO			
B 65	1		A12-38 A13-13	11 12					NO NO			
B 66	1		A13-13 A13-38	12 12					NO NO			
B 67	1		A13-38 J11-20	12 16				 .19	NO NO		 9	

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR 0E | SHEET 19 OF 22

MIL 2074 3-63 WIR

WIRING HARNESS B 2900556 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 68	3				7.00 1.75	6.75 1.50				A,7 B,4	4 4, 7, 8	
B 68B	1		E4-B SHLD B68	17 				.25 .25	NO NO			
B 68L			A4-12 J12-38	5 18				 .19	NO NO		 9	
B 68R			A4-13 J12-32	5 18				 .19	NO NO		 9	
B 69	1		A14-17 J11-39	13 16				 .19	NO NO		 9	
B 70	2				1.75 7.00	1.50 6.75				B,4 A,7	4, 5, 6 4	
B 70A	1		SHLD B70 E6-B	 14				.25 .25	NO NO			
B 70W			J11-34 A14-20	16 13				.19 	NO NO		9 	
B 71	1		J11-28 A14-8	16 13				.19 	NO NO		9 	
B 72	1		A14-3 J11-33	13 16				 .19	NO NO		 10	 SEE NOTE 14
B 73	1		J11-33 J11-32	16 16				.19 .19	NO NO		 9	SEE NOTE 14
B 74	1		E2-BB E3-BB	20 19				.25 .25	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900556
SCALE-NONE | REV LTR 0E | SHEET 20 OF 22

MIL 2074 3-63 WIR

2900556 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 75	1		E3-BB E4-BB	19 17				.25 .25	NO NO			
B 76	1		E4-BB J12-36	17 18				.25 .19	NO NO			
B 77	1		E5-BB E6-BB	15 14				.25 .25	NO NO			
B 78	1		E6-BB J11-14	14 16				.25 .19	NO NO		 9	

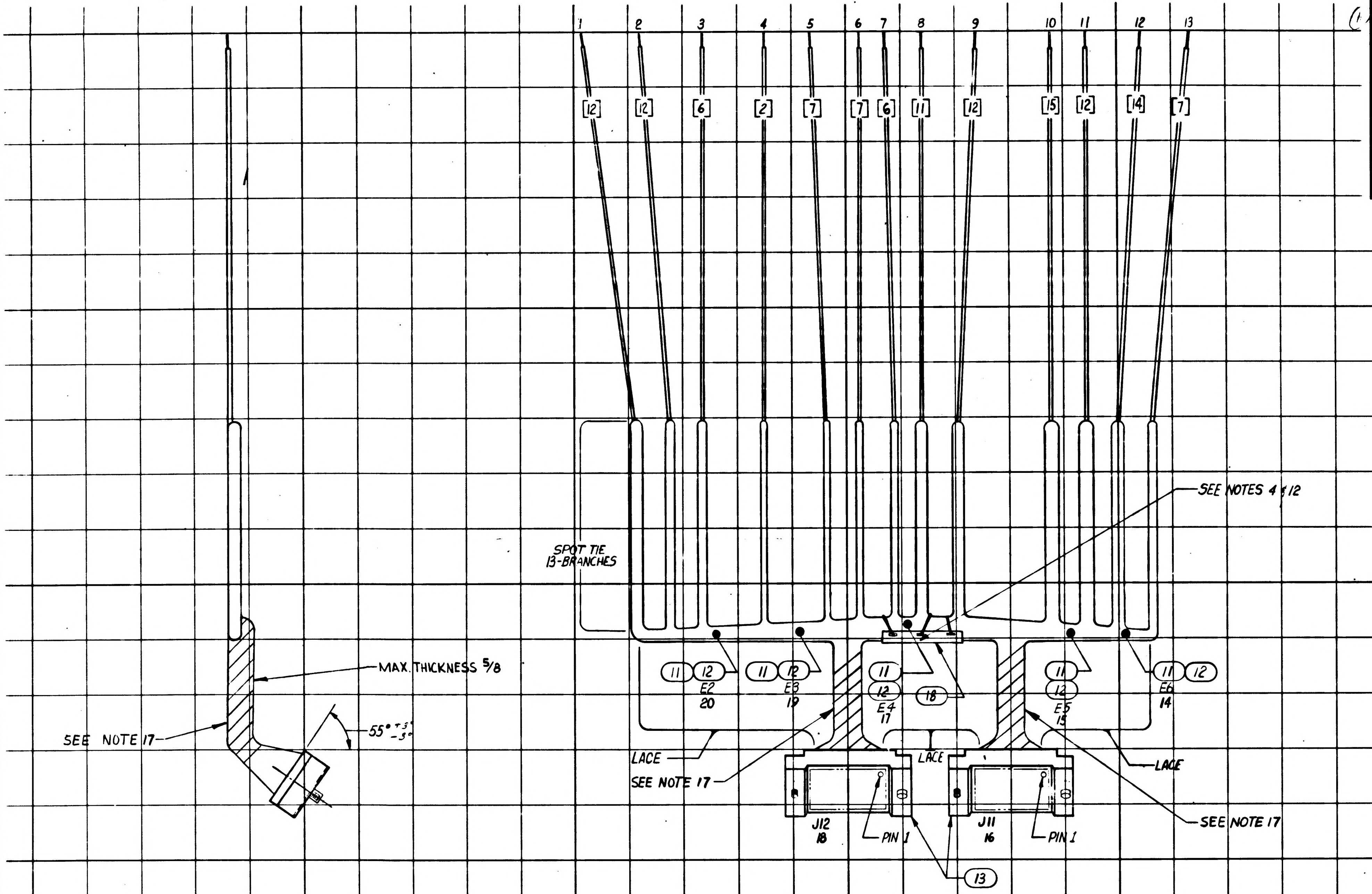
MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900556
SCALE-NONE | REV LTR CE | SHEET 21 OF 22

MIL 2084 4-63

2900556 F

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			

REVISIONS 23471



1
2
3
4
5
6
7
8
9
10
11
12
13
12
12
6
2
7
7
6
11
12
15
12
14
7
SPOT TIE 13-BRANCHES
SEE NOTES 4 & 12
MAX. THICKNESS 5/8
SEE NOTE 17
55° +3° -3°
11
12
E2
20
11
12
E3
19
11
12
18
E4
17
11
12
E5
15
11
12
E6
14
LACE
SEE NOTE 17
LACE
LACE
SEE NOTE 17
J12
18
PIN 1
J11
16
PIN 1
13

NEXT ASSY	USED ON
2900551-011	2900037-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN C. Krotek DATE 25 AUG 65
CHECKED J. GRIEB 15 SEP 65
APPROVAL R. INGOLD 16 SEP 65
APPROVAL [illegible] 9/2/65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 6.65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

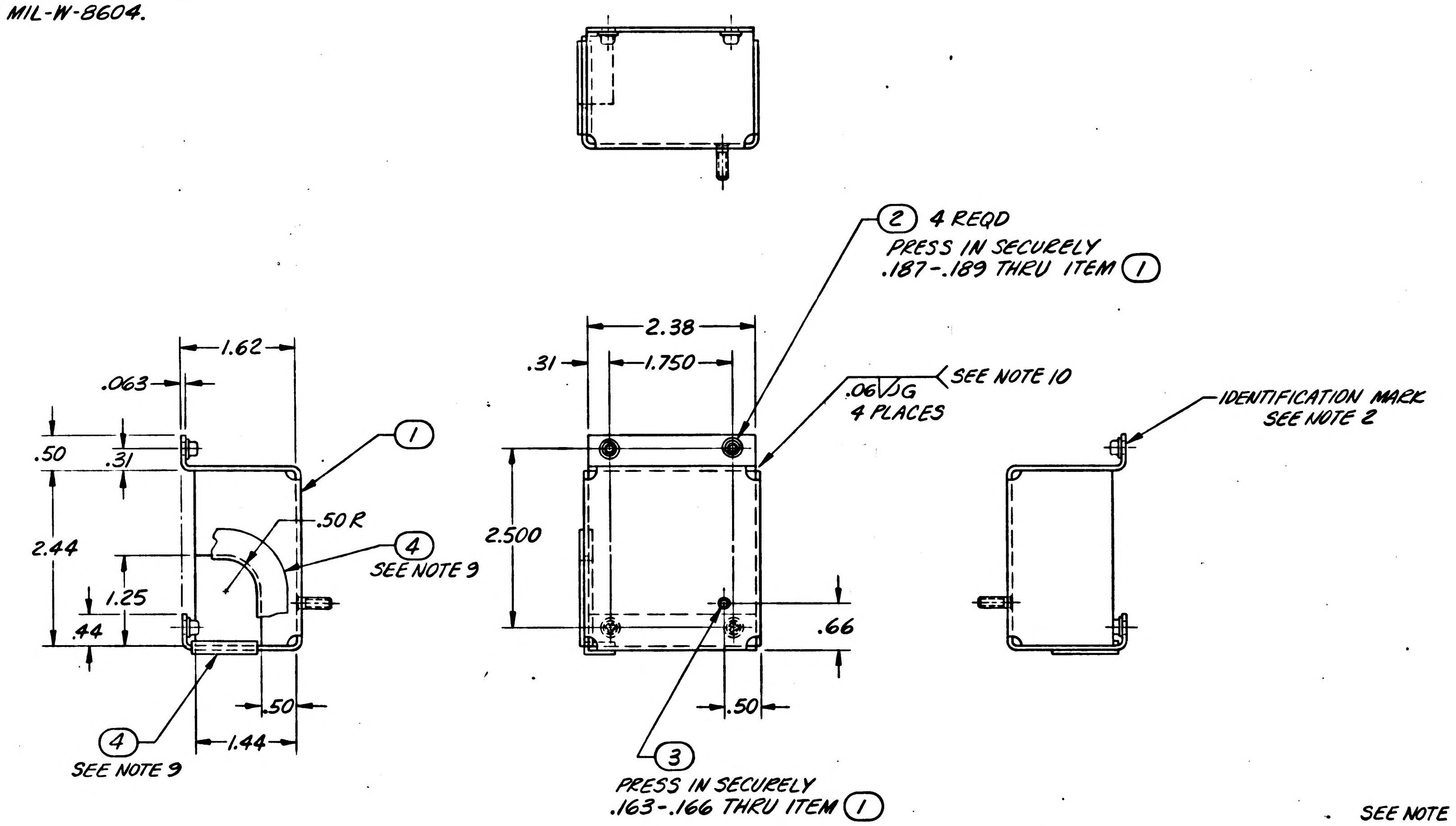
CODE IDENT NO. 99974
SIZE D
2900556
SCALE FULL
SHEET 22 OF 22

B 2900566

REVISIONS					23421
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 204071		24 AUG 65	RLP
B		INITIAL RELEASE CLASS A PER TDRR 23421		19 OCT 65	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. ALL INSIDE BEND RADII .06 R.
5. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
6. VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7. MATERIAL: QQ-A-250/8 TEMPER H32 (ES2105 AL ALY 5052-H32).
8. FINISH: MIL-C-5541 (ES591 CHEMICAL FILM).
9. BOND ITEM ④ TO ITEM ① USING ITEM ⑤.
10. WELD PER MIL-W-8604.



② 4 REQD
PRESS IN SECURELY .187-.189 THRU ITEM ①
.06 G 4 PLACES
SEE NOTE 10
IDENTIFICATION MARK SEE NOTE 2
1.62
.063
.50
.31
①
.50 R
④ SEE NOTE 9
2.44
1.25
.44
.50
1.44
④ SEE NOTE 9
2.38
.31
1.750
2.500
.66
.50
③
PRESS IN SECURELY .163-.166 THRU ITEM ①

	5	AR	MIL-A-5092 TYPE 2	ADHESIVE (ES2770-2)
SEE NOTE 6	4	AR	1016107-002	SEAL, CHANNEL, EXTRUDED
SEE NOTE 6	3	1	1010629-14	STUD, SELF CLINCHING
SEE NOTE 6	2	4	1015843-4	NUT-FLUSH MTD CLINCH, SELF-LOCK
SEE NOTES 7&8	1	1	2900566-001	COVER
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900037-011	2900037-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± ___	±.02 ±.005	±2°

DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN M C Riedel DATE 30 JUN 65
CHECKED C Pupke 15 JUL 65
APPROVAL G. STODDARD 17 JUL 65
APPROVAL Gelman 9/21/65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COVER, SWITCH PROTECTIVE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900566
SCALE 1:1
SHEET 1 OF 1

19 JUL 65

MIL 10770-P

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: ALUMINUM ALLOY PER QQ-A-250/8, TEMPER H32 (ES 2105 TYPE 5052).
3. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .010 RADIUS OR CHAMFER.
4. FINISH: APPLY FINISH P513 OF MIL-F-14072 USING ITEM ⑨ AND TWO COATS OF ITEM ⑧. PRIMER AND FINISH TO BE APPLIED TO FRONT AND EDGES OF PANEL ONLY.
5. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
7. MARKING:
   A. SILK SCREEN CHARACTERS AND GRADUATIONS OF FRONT SIDE PER ND1002112 USING ITEM ⑩. UNLESS OTHERWISE SPECIFIED, ALL CHARACTERS TO BE .12 HIGH, FUTURA DEMI-BOLD, GRADUATIONS .031 THICK. CENTRALIZE AS SHOWN.
   B. MARK CHARACTERS OF BACK SIDE PER ND1002019. CHARACTERS TO BE .12 HIGH, APPROXIMATELY AS SHOWN.

REVISIONS 23421					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 204121		24 AUG 65	LR / JAC
B		REVISED PER MXC 204204		65	JW
C		REVISED PER MXC 204699		3 SEP 65	JCB
D		REVISED PER MXC 204930		16 SEP 65	
E		REVISED PER MXC 205991		9 OCT 65	
F		REVISED PER MXC 206216		19 OCT 65	HTO
G		INITIAL RELEASE CLASS A PER TDRR 23421		20 OCT 65	WEB

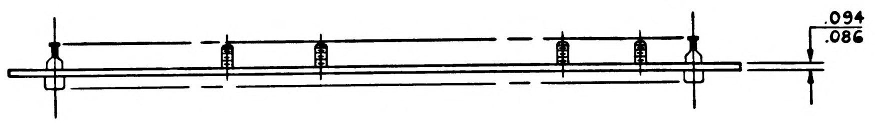
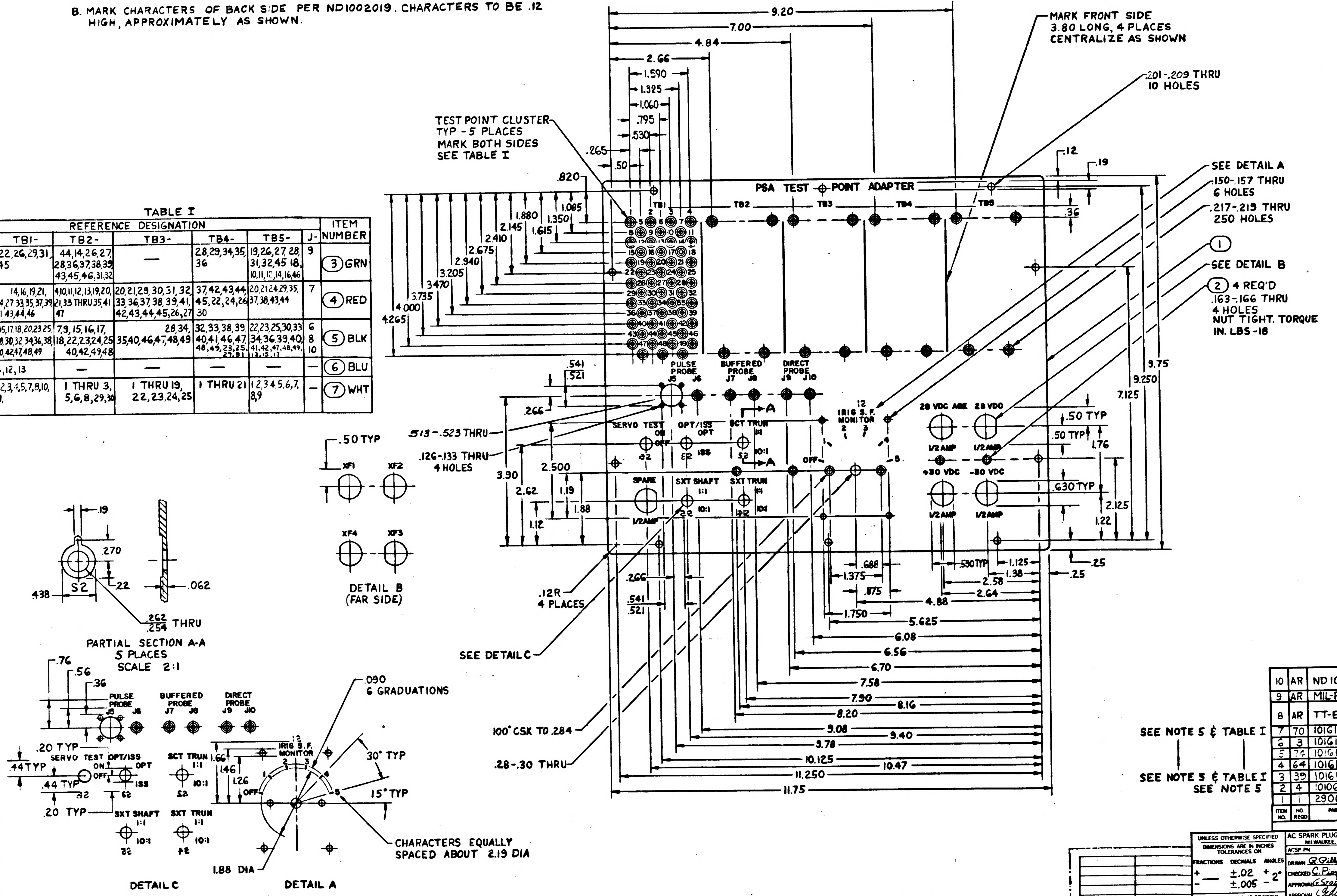


TABLE I

REFERENCE DESIGNATION						ITEM NUMBER
TB1-	TB2-	TB3-	TB4-	TB5-	J-	
22, 26, 29, 31, 45	44, 14, 26, 27, 28, 36, 37, 38, 39, 43, 45, 46, 31, 32	—	28, 29, 34, 35, 36	19, 26, 27, 28, 31, 32, 45, 18, 10, 11, 12, 14, 16, 46	9	③ GRN
14, 16, 19, 21, 24, 27, 33, 35, 37, 39, 41, 43, 44, 46	4, 10, 11, 12, 13, 19, 20, 21, 33 THRU 35, 41, 47	20, 21, 29, 30, 31, 32, 33, 36, 37, 38, 39, 41, 42, 43, 44, 45, 26, 27	37, 42, 43, 44, 45, 22, 24, 26, 30	20, 21, 24, 29, 35, 37, 38, 43, 44	7	④ RED
9, 15, 17, 18, 20, 23, 25, 28, 30, 32, 34, 36, 38, 40, 42, 47, 48, 49	7, 9, 15, 16, 17, 18, 22, 23, 24, 25, 40, 42, 49, 48	28, 34, 35, 40, 46, 47, 48, 49	32, 33, 38, 39, 40, 41, 46, 47, 48, 49, 23, 25, 27, 31	22, 23, 25, 30, 33, 34, 36, 39, 40, 41, 42, 47, 48, 49, 13, 15, 17	6 8 10	⑤ BLK
6, 12, 13	—	—	—	—	—	⑥ BLU
1, 2, 3, 4, 5, 7, 8, 10, 11,	1 THRU 3, 5, 6, 8, 29, 30	1 THRU 19, 22, 23, 24, 25	1 THRU 21	1, 2, 3, 4, 5, 6, 7, 8, 9	—	⑦ WHT


PSA TEST POINT ADAPTER
TB1
TB2
TB3
TB4
TB5
PULSE PROBE J5 J6
BUFFERED PROBE J7 J8
DIRECT PROBE J9 J10
SERVO TEST ON OFF Ø2
OPT/ISS OPT ISS ΣΩ
SCT TRUN 1:1 10:1 Σ2
IRIG S.F. MONITOR
28 VDC AGE
28 VDC
1/2 AMP
+30 VDC
-30 VDC
SPARE
SXT SHAFT 1:1 10:1
SXT TRUN 1:1 10:1
XF1
XF2
XF3
XF4
A
TEST POINT CLUSTER TYP - 5 PLACES MARK BOTH SIDES SEE TABLE I
MARK FRONT SIDE 3.80 LONG, 4 PLACES CENTRALIZE AS SHOWN
.201-.209 THRU 10 HOLES
SEE DETAIL A
.150-.157 THRU 6 HOLES
.217-.219 THRU 250 HOLES
①
SEE DETAIL B
② 4 REQ'D
.163-.166 THRU 4 HOLES NUT TIGHT. TORQUE IN. LBS - 18
.513-.523 THRU
.126-.133 THRU 4 HOLES
.12R 4 PLACES
SEE DETAIL C
100° CSK TO .284
.28-.30 THRU
SEE NOTE 5 & TABLE I
SEE NOTE 5 & TABLE I
SEE NOTE 5
9.20
7.00
4.84
2.66
1.590
1.325
1.060
.795
.530
.265
.50
.820
1.085
1.350
1.615
1.880
2.145
2.410
2.675
2.940
3.205
3.470
3.735
4.000
4265
.12
.19
.36
9.75
9.250
7.125
.541
.521
.266
3.90
2.500
2.62
1.19
1.12
1.88
.50 TYP
.50 TYP
1.76
.630 TYP
2.125
1.22
.688
1.375
.875
1.750
.590 TYP
1.125
1.38
2.58
2.64
4.88
.25
5.625
6.08
6.56
6.70
7.58
7.90
8.16
8.20
9.08
9.40
9.78
10.125
10.47
11.250
11.75
.266
.541
.521
.50 TYP
.19
.270
.22
.438
.062
.262
.254 THRU
.76
.56
.36
.20 TYP
.44 TYP
.44 TYP
.20 TYP
1.66
1.46
1.26
OFF
.090 6 GRADUATIONS
30° TYP
15° TYP
CHARACTERS EQUALLY SPACED ABOUT 2.19 DIA
1.88 DIA

PARTIAL SECTION A-A
5 PLACES
SCALE 2:1

DETAIL B
(FAR SIDE)

DETAIL C

DETAIL A

10	AR	ND1002111	SEMI-GLOSS ENAMEL COLOR BLK NO. 514 OF ANA 157
9	AR	MIL-P-8585	ZINC CHROMATE PRIMER (ES 2589)
8	AR	TT-E-529	SEMI-GLOSS ENAMEL CLASS B COLOR LIGHT GRAY NO. 26440 OF FED-STD-595
7	70	1016166-009	JACK-TEST POINT
6	3	1016166-008	JACK-TEST POINT
5	74	1016166-006	JACK-TEST POINT
4	64	1016166-004	JACK-TEST POINT
3	39	1016166-007	JACK-TEST POINT
2	4	1010629-14	STUD, SELF CLINCHING
1	1	2900568-001	PANEL, FRONT
ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

2900037-011	2900037-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± —   DECIMALS ±.02 ±.005   ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Pillar DATE 6 JUL 65
CHECKED C. Pioyda 15 JUL 65
APPROVAL G. Stoddard 17 Jul 65
APPROVAL Gelman 10/21/65
NASA APPROVAL
MIT APPROVAL

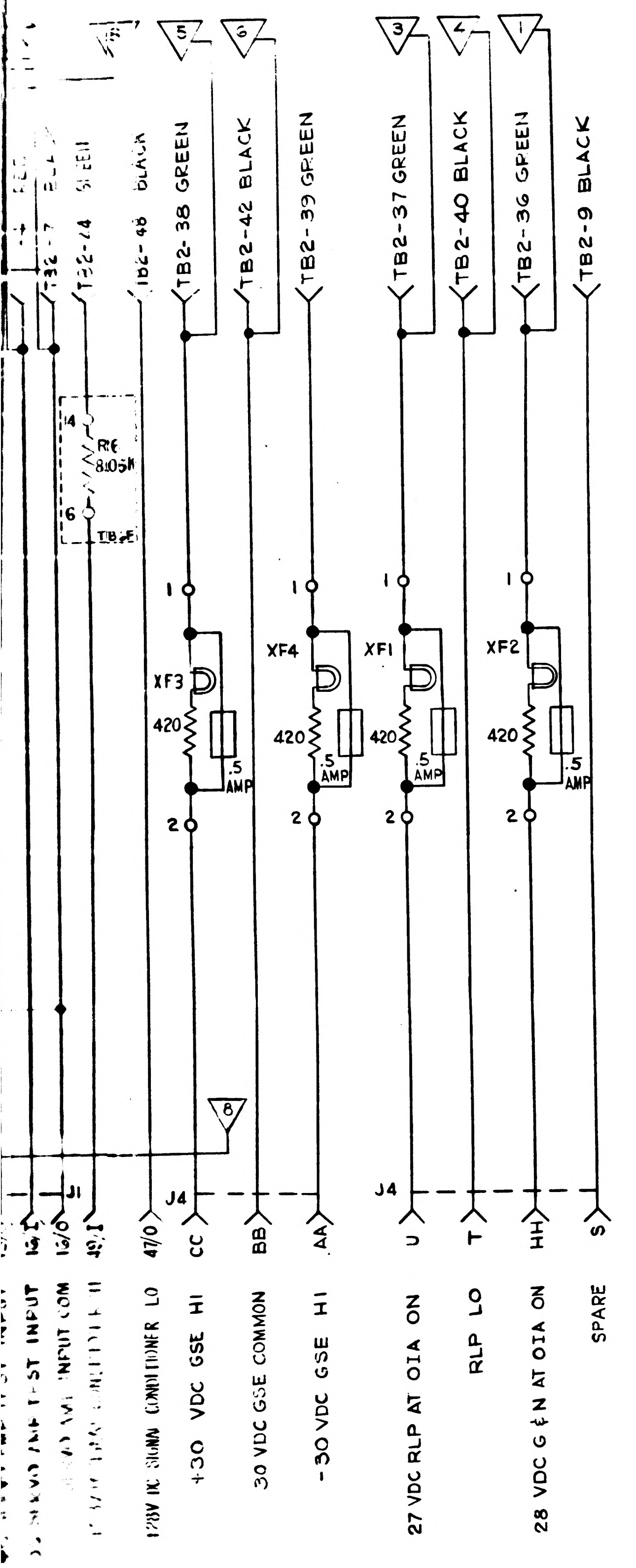
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

PANEL, FRONT
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900568
SCALE FULL
SHEET 1 OF 1

2900568 G

Lunceston 19 JUL 65



SH ZONE	REF DES	PART NUMBER	DESCRIPTION	SCHEMATIC DIAGRAM VALUE, TOL & RATING
SEE TABLE I	A1	1902433-011	AC AMPLIFIER ASSY.	1902451
SEE TABLE I	A2	1902433-011	AC AMPLIFIER ASSY.	1902451
SH2, E12	A3	2900231-011	BAND PASS AMPL. ASSY.	2900582
SH2, E13	A4	2900130-011	AC VOLTAGE AMPL. ASSY	2900462
SH2, E14	A5	2900130-011	AC VOLTAGE AMPL. ASSY	2900462
SH2, E15	A6	2900130-011	AC VOLTAGE AMPL. ASSY	2900462
SEE TABLE I	A7	1902433-011	AC AMPLIFIER ASSY	1902451
SEE TABLE I	A8	1902433-011	AC AMPLIFIER ASSY	1902451
	A9			
	A10			
SEE TABLE I	A11	1902433-011	AC AMPLIFIER ASSY	1902451
SEE TABLE I	A12	1902433-011	AC AMPLIFIER ASSY	1902451
SEE TABLE I	A13	1902433-011	AC AMPLIFIER ASSY	1902451
SH1, E20	A14	2900144-011	PULSE BUFFER AMPL ASSY	2900387
	J1	1897214-011	CONNECTOR-RECEPTACLE	
	J2	1897214-012		
	J3	MS3127E-24-61S		
	J4	MS3127E-24-61SW	CONNECTOR-RECEPTACLE	
	J5	1015848-1	CONNECTOR-RECP. TRIAX	
	J6	1016166-006	JACK-TEST POINT	
	J7	-004		
	J8	-006		
	J9	-007		
	J10	-006	JACK-TEST POINT	
	J11	1015817-660	CONNECTOR-RECEPTACLE	
	J12	1015817-660	CONNECTOR-RECEPTACLE	
	J13			
	J14			
	J15	1016174-001	CONNECTOR-RECP TRIAX	
SEE TABLE I	K1	1015802-004	RELAY, ARMATURE	
SEE TABLE I	K2	1015802-004	RELAY, ARMATURE	
~~SH1, E16~~	R1	~~RN60C8061F~~	~~RESISTOR MIL-R-10509/1~~	
~~E15~~	R2			
~~E16~~	R3			
~~E14~~	R4			
	R5			
SH1 E9	R6	RN60C8061F	RESISTOR MIL-R-10509/1	
SH1 E14	R7	RN60C8061F	RESISTOR MIL-R-10509/1	
SH1, E14	R8	RN60C1002F	RESISTOR MIL-R-10509/1	
SH2, E10	R9	RN60C2002F	RESISTOR MIL-R-10509/1	
E9	R10			
E8	R11			
E7	R12	RN60C2002F	RESISTOR MIL-R-10509/1	
E5	R13	RN60C1101F		
E5	R14			
E4	R15			
E4	R16			
SH2, E4	R17	RN60C1101F	RESISTOR MIL-R-10509/1	
SH2, E3	R18	RN60C1101F	RESISTOR MIL-R-10509/1	
SH2, E11	R19	RN60C4022F	RESISTOR MIL-R-10509/1	
E11	R20			
E10	R21			
E9	R22			
E8	R23			
SH2, E8	R24	RN60C4022F	RESISTOR MIL-R-10509/1	
SH1, D14	R25	RN60C2801F	RESISTOR MIL-R-10509/1	
SH1, D14	R26	RN60C2801F	RESISTOR MIL-R-10509/1	
SH1, D18	S1	1015825-15	SWITCH, ROTARY	
SH2, F13	S2	1016265-104	TOGGLE	
SH2, C20	S3			
SH2, F14	S4			
SH2, F15	S5	1016265-104	SWITCH, TOGGLE	
SH1, F14	S6	1016265-106	SWITCH, MOMENTARY	
	TB1-1	1016166-009	JACK-TEST POINT	
	2	-		
	3	-		
	4	-		
	5	-009		
	6	-008		
	7	-009		
	8	-009		
	9	-006		
	10	-009		
	11	-009		
	12	-008		
	13	-008		
	14	-004		
	15	-006		
	16	-004		
	17	-006		
	18	-006		
	19	-004		
	20	-006		
	21	-004		
	22	-007		
	23	-006		
	24	-004		
	25	-006		
	26	-007		
	TB1-27	1016166-004	JACK-TEST POINT	

REF DES	PART NUMBER	DESCRIPTION
TB1-28	1016166-006	JACK-TEST POINT
-29	-007	
-30	-006	
-31	-007	
-32	-006	
-33	-004	
-34	-006	
-35	-004	
-36	-006	
-37	-004	
-38	-006	
-39	-004	
-40	-006	
-41	-004	
-42	-006	
-43	-004	
-44	-004	
-45	-007	
-46	-004	
-47	-006	
-48	-006	
-49	-006	
TB2-1	-009	
-2	-009	
-3	-009	
-4	-004	
-5	-009	
-6	-009	
-7	-006	
-8	-009	
-9	-006	
-10	-004	
-11	-004	
-12	-004	
-13	-004	
-14	-007	
-15	-006	
-16	-006	
-17	-006	
-18	-006	
-19	-004	
-20	-004	
-21	-004	
-22	-006	
-23	-006	
-24	-006	
-25	-006	
-26	-007	
-27	-007	
-28	-007	
-29	-009	
-30	-009	
-31	-007	
-32	-007	
-33	-004	
-34	-004	
-35	-004	
-36	-007	
-37	-007	
-38	-007	
-39	-007	
-40	-006	
-41	-004	
-42	-006	
-43	-007	
-44	-007	
-45	-007	
-46	-007	
-47	-004	
-48	-006	
-49	-006	
TB3-1	-009	
-2		
-3		
-4		
-5		
-6		
-7		
-8		
-9		
-10		
-11		
-12		
-13		
-14		
-15		
-16		
-17		
-18		
-19	-009	
-20	-004	
-21	-004	
-22	-009	
-23	-009	
-24	-009	
-25	-009	
-26	-004	
-27	-004	
-28	-006	
-29	-004	
-30		
-31		
-32		
-33	-004	
-34	-006	
TB3-35	1016166-006	JACK-TEST POINT

REF DES	PART NUMBER	DESCRIPTION
TB3-36	1016166-004	JACK-TEST POINT
-37	-004	
-38	-004	
-39	-004	
-40	-006	
-41	-004	
-42	-004	
-43	-004	
-44	-004	
-45	-004	
-46	-006	
-47		
-48		
TB3-49	-006	
TB4-1	-009	
-2		
-3		
-4		
-5		
-6		
-7		
-8		
-9		
-10		
-11		
-12		
-13		
-14		
-15		
-16		
-17		
-18		
-19		
-20		
-21	-009	
-22	-004	
-23	-006	
-24	-004	
-25	-006	
-26	-004	
-27	-006	
-28	-007	
-29	-007	
-30	-004	
-31	-006	
-32	-006	
-33	-006	
-34	-007	
-35	-007	
-36	-007	
-37	-004	
-38	-006	
-39	-006	
-40	-006	
-41	-006	
-42	-004	
-43	-004	
-44	-004	
-45	-004	
-46	-006	
-47	-006	
-48	-006	
TB4-49	-006	
TB5-1	-009	
-2		
-3		
-4		
-5		
-6		
-7		
-8		
-9	-009	
-10	-007	
-11	-007	
-12	-007	
-13	-006	
-14	-007	
-15	-006	
-16	-007	
-17	-006	
-18	-007	
-19	-007	
-20	-004	
-21	-004	
-22	-006	
-23	-006	
-24	-004	
-25	-006	
-26	-007	
-27	-007	
-28	-007	
-29	-004	
-30	-006	
-31	-007	
-32	-007	
-33	-006	
TB5-34	1016166-006	JACK-TEST POINT

REVISIONS 23421					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 203766		AUG 65	
B		REVISED PER MXC 206002		19 OCT 65	
C		REVISED PER MXC 206217		20 OCT 65	
D		INITIAL RELEASE CLASS A PER TDRR 23421		20 OCT 65	

SH ZONE	REF DES	PART NUMBER	DESCRIPTION
	TB5-35	1016166-004	JACK-TEST POINT
	-36	-006	
	-37	-004	
	-38	-004	
	-39	-006	
	-40	-006	
	-41	-006	
	-42	-006	
	-43	-004	
	-44	-004	
	-45	-007	
	-46	-007	
	-47	-006	
	-48	-006	
	TB5-49	1016166-006	JACK-TEST POINT
SEE TABLE I	TB6	2900562-011	TERMINAL BOARD
SEE TABLE I	TB7	2900564-011	TERMINAL BOARD
SH1, D8	XF1	1015873-008	FUSEHOLDER
SH1, D8	XF2		
SH1, D9	XF3		
SH1, D9	XF4	1015873-008	FUSEHOLDER

TABLE I

SEPARATED SYMBOL LOCATIONS	
REF DES	SHEET, ZONE
A1A, A1B	SH2, D14 - SH2, D13
A2A, A2B	SH2, E16 - SH2, D15
A7A, A7B	SH2, E18 - SH2, E17
A8A, A8B	SH2, E20 - SH2, E19
A11A, A11B	SH1, E21 - SH2, E24
A12A, A12B	SH2, E21 - SH2, E20
A13A, A13B	SH2, E23 - SH2, E22
K1A, K1B	SH2, D20 - SH2, D21
K2A, K2B	SH2, E20 - SH2, D20
TB6A, B, C, D, E, F	SH1, E16 - SH1, E14 - SH2, D10 - SH2, D7 - SH2, D5 - SH1, E9
TB7A, B, C, D	SH2, D11 - SH2, D9 - SH2, D4 - SH1, D14

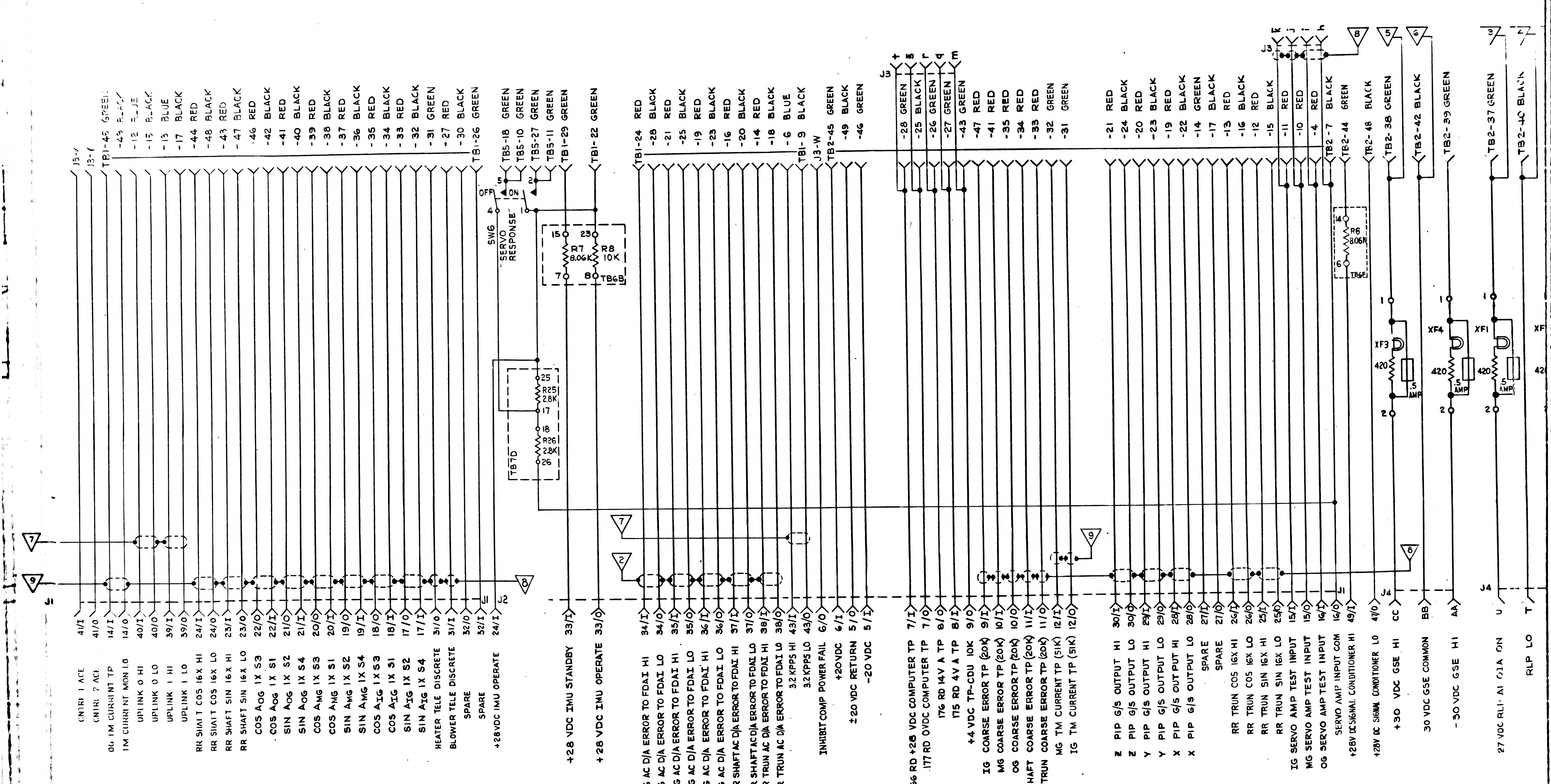
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN M. Graham DATE 15 JUL 65
CHECKED C. Pioida 22 JUL 65
APPROVAL L Baron 22 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM ELECTRICAL-PSA TEST POINT ADAPTER

CODE IDENT NO. 99974 SIZE J3 2900572
SCALE — SHEET 1 OF 2


J1
J2
J3
J4
SW6 "SERVO RESPONSE"
OFF
ON
R7 8.06K
R8 10K
TB6B
R25 2.8K
R26 2.8K
TB7D
R6 8.06K
TB6F
XF3
XF4
XF1
420
.5 AMP
41/I CNTRL 1 ACE
41/O CNTRL 2 ACE
14/I OG TM CURRENT TP
14/O TM CURRENT MON LO
40/I UPLINK 0 HI
40/O UPLINK 0 LO
39/I UPLINK 1 HI
39/O UPLINK 1 LO
24/I RR SHAFT COS 16X HI
24/O RR SHAFT COS 16X LO
23/I RR SHAFT SIN 16X HI
23/O RR SHAFT SIN 16X LO
22/O COS AOG 1X S3
22/I COS AOG 1X S1
21/O SIN AOG 1X S2
21/I SIN AOG 1X S4
20/O COS AMG 1X S3
20/I COS AMG 1X S1
19/O SIN AMG 1X S2
19/I SIN AMG 1X S4
18/O COS AIG 1X S3
18/I COS AIG 1X S1
17/O SIN AIG 1X S2
17/I SIN AIG 1X S4
31/O HEATER TELE DISCRETE
31/I BLOWER TELE DISCRETE
32/O SPARE
32/I SPARE
24/I +28VDC IMU OPERATE
33/I +28 VDC IMU STANDBY
33/O +28 VDC IMU OPERATE
34/I IG AC D/A ERROR TO FDAI HI
34/O IG AC D/A ERROR TO FDAI LO
35/I MG AC D/A ERROR TO FDAI HI
35/O MG AC D/A ERROR TO FDAI LO
36/I OG AC D/A ERROR TO FDAI HI
36/O OG AC D/A ERROR TO FDAI LO
37/I RR SHAFT AC D/A ERROR TO FDAI HI
37/O RR SHAFT AC D/A ERROR TO FDAI LO
38/I RR TRUN AC D/A ERROR TO FDAI HI
38/O RR TRUN AC D/A ERROR TO FDAI LO
43/I 3.2 KPPS HI
43/O 3.2 KPPS LO
6/O INHIBIT COMP POWER FAIL
6/I +20VDC
5/O ±20 VDC RETURN
5/I -20 VDC
7/I 166 RD +28 VDC COMPUTER TP
7/O 177 RD OVDC COMPUTER TP
6/O 176 RD 14V A TP
8/I 175 RD 4V A TP
9/O +4 VDC TP-CDU 10K
9/I IG COARSE ERROR TP (20K)
10/I MG COARSE ERROR TP (20K)
10/O OG COARSE ERROR TP (20K)
11/I SHAFT COARSE ERROR TP (20K)
11/O TRUN COARSE ERROR TP (20K)
12/I MG TM CURRENT TP (51K)
12/O IG TM CURRENT TP (51K)
30/I Z PIP G/S OUTPUT HI
30/O Z PIP G/S OUTPUT LO
29/I Y PIP G/S OUTPUT HI
29/O Y PIP G/S OUTPUT LO
28/I X PIP G/S OUTPUT HI
28/O X PIP G/S OUTPUT LO
27/I SPARE
27/O SPARE
26/I RR TRUN COS 16X HI
26/O RR TRUN COS 16X LO
25/I RR TRUN SIN 16X HI
25/O RR TRUN SIN 16X LO
15/I IG SERVO AMP TEST INPUT
15/O MG SERVO AMP TEST INPUT
16/I OG SERVO AMP TEST INPUT
16/O SERVO AMP INPUT COM
49/I +28V DC SIGNAL CONDITIONER HI
47/O +28V DC SIGNAL CONDITIONER LO
CC +30 VDC GSE HI
BB 30 VDC GSE COMMON
AA -30 VDC GSE HI
U 27 VDC RLP AT GIA ON
T RLP LO
TB1-45 GREEN
TB1-26 GREEN
TB5-18 GREEN
TB5-10 GREEN
TB5-27 GREEN
TB5-11 GREEN
TB1-29 GREEN
TB1-22 GREEN
TB1-24 RED
TB1-9 BLACK
J3-W
TB2-45 GREEN
TB2-7 BLACK
TB2-44 GREEN
TB2-48 BLACK
TB2-38 GREEN
TB2-42 BLACK
TB2-39 GREEN
TB2-37 GREEN
TB2-40 BLACK

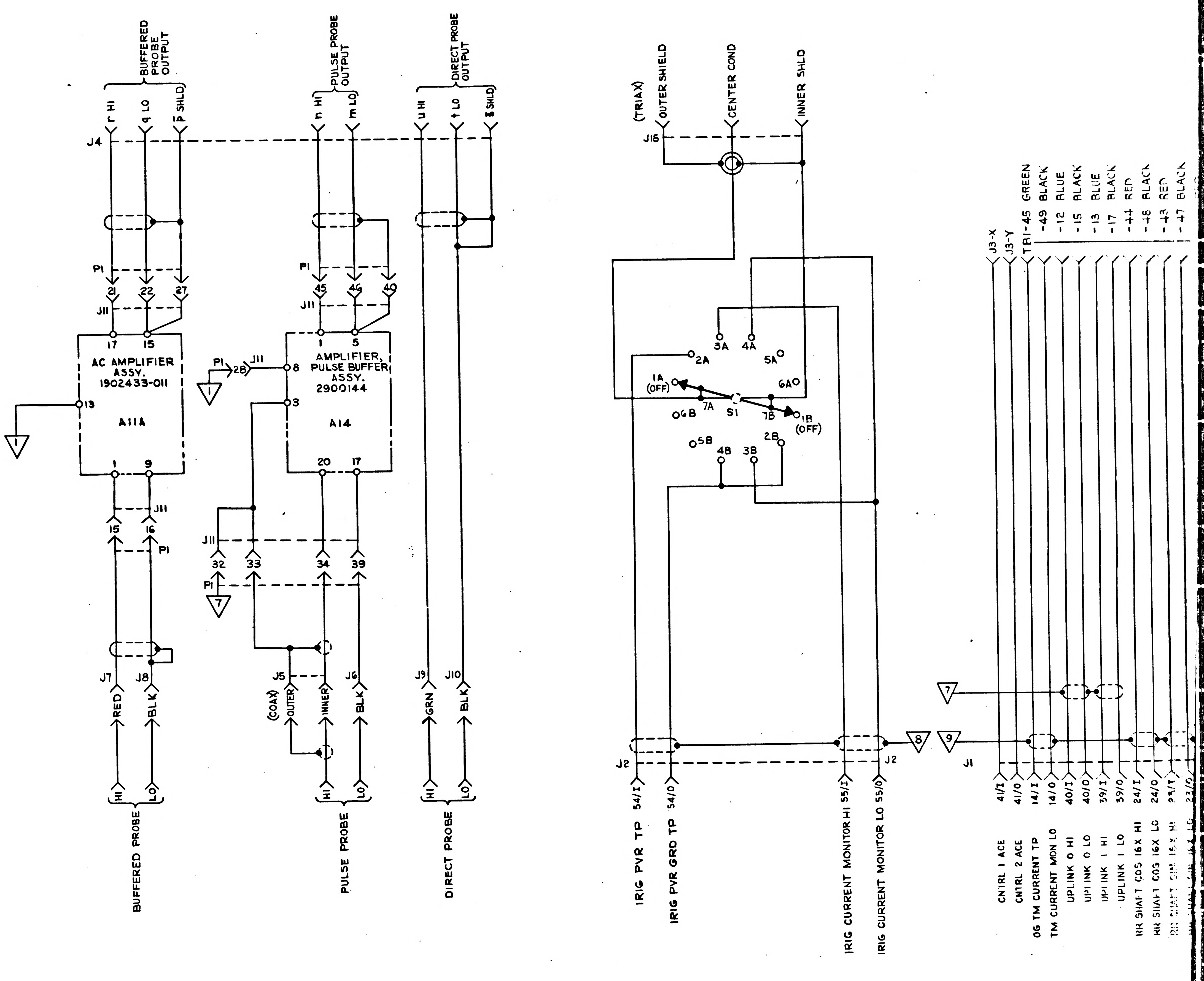
27 2900572

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL PART NUMBERS ARE FOR REFERENCE ONLY
3. BARS PLACED OVER LETTERS ARE FOR REFERENCE ONLY AND SIGNIFY LOWER CASE.
4. RELAYS ARE SHOWN IN THE UNENERGIZED OR "OFF" POSITION.
5. LAST NUMBER USED ▽ = 9
6. DRAWINGS FOR REFERENCE:
2900037-011 ASSEMBLY DRAWING
7. UNLESS OTHERWISE SPECIFIED VALUES ARE IN OHMS.

LEGEND:
1 28 VDC G & N AT OIA ON
2 CDU TP COMMON
3 27 VDC RLP AT OIA ON
4 RLP LO
5 +30 VDC GSE HI
6 30 VDC GSE COMMON
7 SHIELD DRIVE
8 SYSTEM SHIELD LO LEVEL
9 SYSTEM SHIELD HI LEVEL

UNUSED TERMINALS

REF DES	TERMINAL NO.
J1	47 THRU 53
J2	9, 10, 26, 36 THRU 53
J3	A, B, C, D, F, N, S, T, U, f
J4	A, B, C, D, E, F, G, H, L
J11	1 THRU 8, 12, 13, 18, 19, 24, 25, 30, 31, 36, 37, 42, 43, 48, 49, 54, 55, 60 THRU 66
J12	1, 2, 7, 13, 19, 25, 31, 37, 42, 43, 48, 49, 54, 55, 60 THRU 66
TB1	1 THRU 5, 7, 8, 10, 11
TB2	1, 2, 3, 5, 6, 8, 29, 30
TB3	1 THRU 19, 22, 23, 24, 25
TB4	1 THRU 21
TB5	1 THRU 9

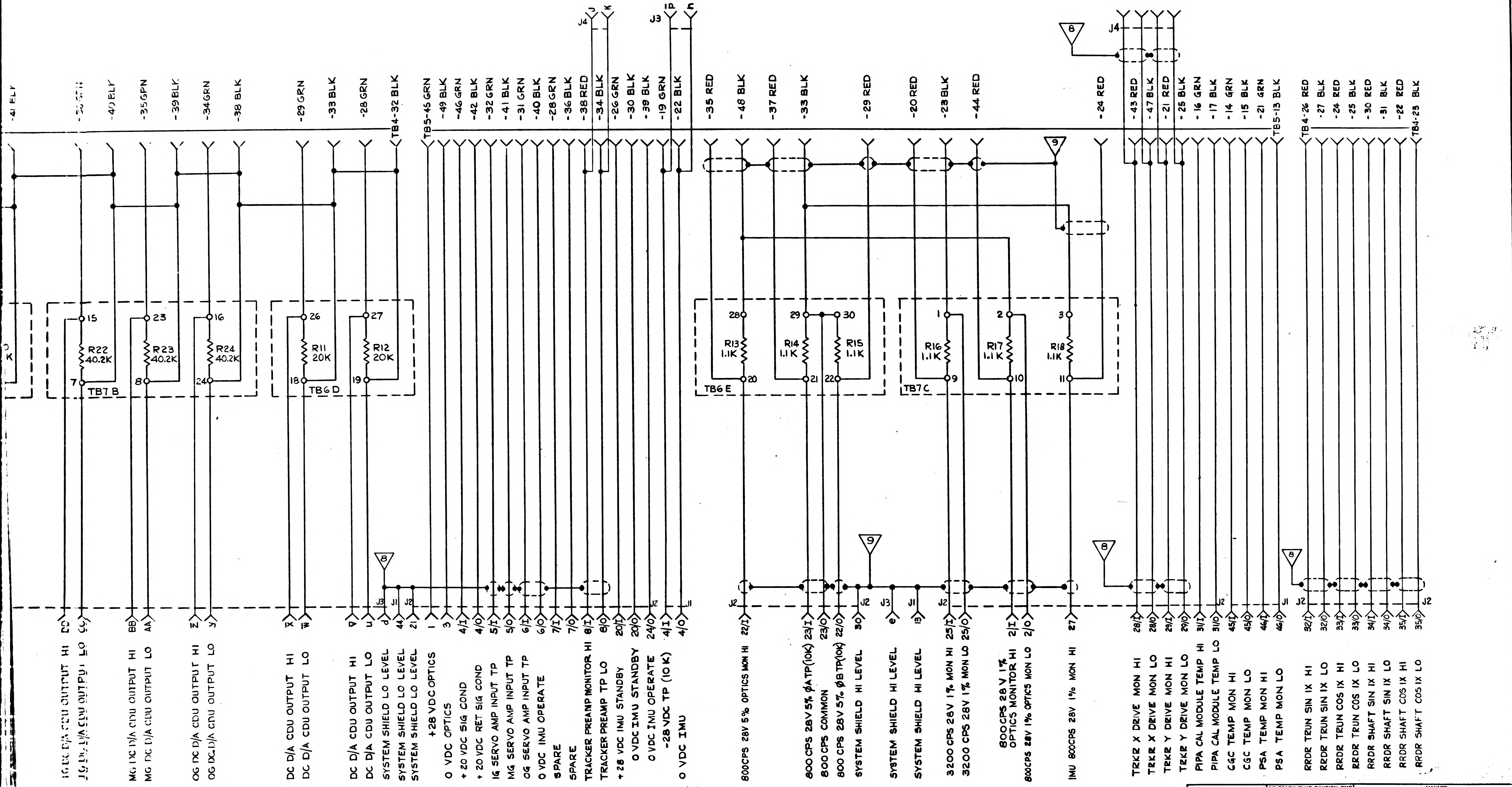

BUFFERED PROBE OUTPUT
r HI
q LO
p SHLD
J4
PULSE PROBE OUTPUT
n HI
m LO
DIRECT PROBE OUTPUT
u HI
t LO
s SHLD
(TRIAX)
OUTER SHIELD
CENTER COND
INNER SHLD
J15
P1
21
22
27
J11
17
15
AC AMPLIFIER ASSY. 1902433-011
A11A
13
1
9
P1
28
J11
8
3
45
46
40
1
5
AMPLIFIER, PULSE BUFFER ASSY. 2900144
A14
20
17
J11
15
16
P1
J11
32
33
34
39
P1
J7
J8
RED
BLK
J5
(COAX)
OUTER
INNER
J6
BLK
J9
J10
GRN
BLK
HI
LO
BUFFERED PROBE
PULSE PROBE
DIRECT PROBE
2A
3A
4A
5A
6A
1A (OFF)
7A
S1
7B
1B (OFF)
6B
5B
4B
3B
2B
J2
IRIG PVR TP 54/I
IRIG PVR GRD TP 54/O
IRIG CURRENT MONITOR HI 55/I
IRIG CURRENT MONITOR LO 55/O
J2
8
9
7
J1
J3-X
J3-Y
TRI-45 GREEN
-49 BLACK
-12 BLUE
-15 BLACK
-13 BLUE
-17 BLACK
-44 RED
-48 BLACK
-43 RED
-47 BLACK
41/I
41/O
14/I
14/O
40/I
40/O
39/I
39/O
24/I
24/O
CNTRL 1 ACE
CNTRL 2 ACE
OG TM CURRENT TP
TM CURRENT MON LO
UPLINK 0 HI
UPLINK 0 LO
UPLINK 1 HI
UPLINK 1 LO
RR SHAFT COS 16X HI
RR SHAFT COS 16X LO

2900572 REV. LTR. D SH 1

MIL FORM 1050 J3

1/29005 72

SYM	ZONE	REVISIONS DESCRIPTION	CHG. NO.	DATE	APPD
C		REVISION STATUS CHANGED		65	
D		INITIAL RELEASE CLASS A PER TDRR 23421		65	



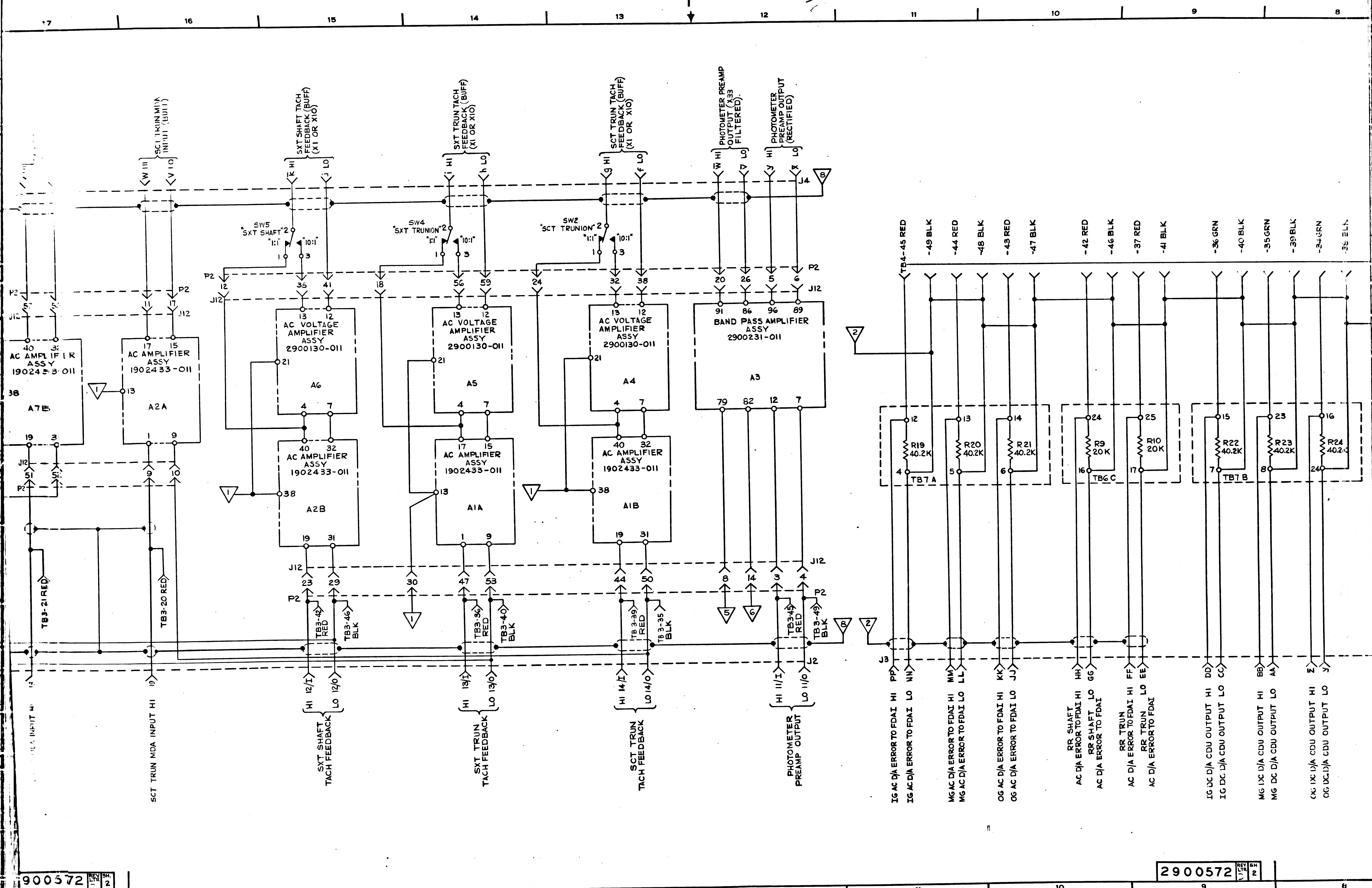
J4
J
K
J3
P
N
J4
8
9
-41 BLK
-36 GRN
-40 BLK
-35 GRN
-39 BLK
-34 GRN
-38 BLK
-29 GRN
-33 BLK
-28 GRN
TB4-32 BLK
TB5-45 GRN
-49 BLK
-46 GRN
-42 BLK
-32 GRN
-41 BLK
-31 GRN
-40 BLK
-28 GRN
-36 BLK
-38 RED
-34 BLK
-26 GRN
-30 BLK
-39 BLK
-19 GRN
-22 BLK
-35 RED
-48 BLK
-37 RED
-33 BLK
-29 RED
-20 RED
-23 BLK
-44 RED
-24 RED
-43 RED
-47 BLK
-21 RED
-25 BLK
-16 GRN
-17 BLK
-14 GRN
-15 BLK
-21 GRN
TB5-13 BLK
TB4-26 RED
-27 BLK
-24 RED
-25 BLK
-30 RED
-31 BLK
-22 RED
TB4-23 BLK
K
15
R22 40.2K
7
TB7 B
23
R23 40.2K
8
16
R24 40.2K
24
26
R11 20K
18
27
R12 20K
19
TB6 D
28
R13 1.1K
20
29
R14 1.1K
21
30
R15 1.1K
22
TB6 E
1
R16 1.1K
9
2
R17 1.1K
10
3
R18 1.1K
11
TB7 C
J3
J1
J2
J2
J1
J2
J2
J3
J1
J2
J2
J1
J2
J2
DD
CC
BB
AA
Z
Y
X
W
V
U
d
44
21
1
3
4/I
4/O
5/I
5/O
6/I
6/O
7/I
7/O
8/I
8/O
20/I
20/O
24/O
4/I
4/O
22/I
23/I
23/O
22/O
30
e
13
25/I
25/O
2/I
2/O
27
28/I
28/O
29/I
29/O
31/I
31/O
45/I
45/O
46/I
46/O
32/I
32/O
33/I
33/O
34/I
34/O
35/I
35/O
IG DC D/A CDU OUTPUT HI
IG DC D/A CDU OUTPUT LO
MG DC D/A CDU OUTPUT HI
MG DC D/A CDU OUTPUT LO
OG DC D/A CDU OUTPUT HI
OG DC D/A CDU OUTPUT LO
DC D/A CDU OUTPUT HI
DC D/A CDU OUTPUT LO
DC D/A CDU OUTPUT HI
DC D/A CDU OUTPUT LO
SYSTEM SHIELD LO LEVEL
SYSTEM SHIELD LO LEVEL
SYSTEM SHIELD LO LEVEL
+28 VDC OPTICS
0 VDC OPTICS
+20 VDC SIG COND
+20 VDC RET SIG COND
IG SERVO AMP INPUT TP
MG SERVO AMP INPUT TP
OG SERVO AMP INPUT TP
0 VDC IMU OPERATE
SPARE
SPARE
TRACKER PREAMP MONITOR HI
TRACKER PREAMP TP LO
+28 VDC IMU STANDBY
0 VDC IMU STANDBY
0 VDC IMU OPERATE
-28 VDC TP (10K)
0 VDC IMU
800CPS 28V 5% OPTICS MON HI
800CPS 28V 5% ØATP(10K)
800CPS COMMON
800 CPS 28V 5% ØBTP(10K)
SYSTEM SHIELD HI LEVEL
SYSTEM SHIELD HI LEVEL
SYSTEM SHIELD HI LEVEL
3200 CPS 28V 1% MON HI
3200 CPS 28V 1% MON LO
800CPS 28V 1% OPTICS MONITOR HI
800CPS 28V 1% OPTICS MON LO
IMU 800CPS 28V 1% MON HI
TRKR X DRIVE MON HI
TRKR X DRIVE MON LO
TRKR Y DRIVE MON HI
TRKR Y DRIVE MON LO
PIPA CAL MODULE TEMP HI
PIPA CAL MODULE TEMP LO
CGC TEMP MON HI
CGC TEMP MON LO
PSA TEMP MON HI
PSA TEMP MON LO
RRDR TRUN SIN IX HI
RRDR TRUN SIN IX LO
RRDR TRUN COS IX HI
RRDR TRUN COS IX LO
RRDR SHAFT SIN IX HI
RRDR SHAFT SIN IX LO
RRDR SHAFT COS IX HI
RRDR SHAFT COS IX LO

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN M. Graham DATE 19 JUL 65	SCHEMATIC DIAGRAM, ELECTRICAL- PSA TEST POINT ADAPTER
	CHECKED C. Pizzola 21 JUL 65	
	APPROVAL	
DO NOT SCALE THIS DRAWING	APPROVAL	
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974 · SIZE J3 · 2900572
CONTRACT NAS 9-497	MIT APPROVAL	SCALE — · SHEET 2 OF 2

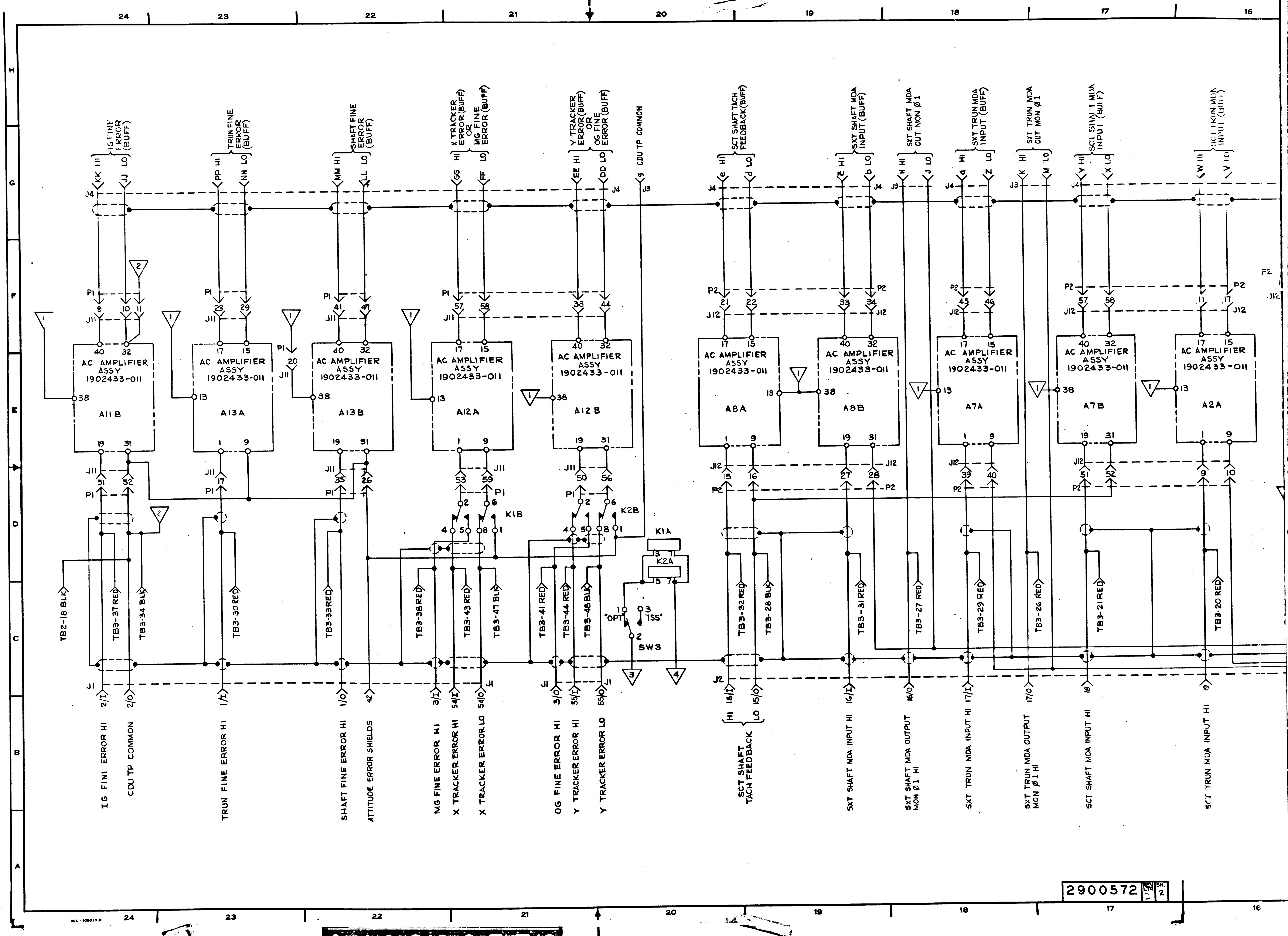
2900572 D

900572 REV LTR D SH 2

3/-2900572


SCT TRUN MDA INPUT (BUFF)
W HI
V LO
SXT SHAFT TACH FEEDBACK (BUFF) (X1 OR X10)
K HI
J LO
SXT TRUN TACH FEEDBACK (BUFF) (X1 OR X10)
i HI
h LO
SCT TRUN TACH FEEDBACK (BUFF) (X1 OR X10)
g HI
f LO
PHOTOMETER PREAMP OUTPUT (X33 FILTERED)
PHOTOMETER PREAMP OUTPUT (RECTIFIED)
J4
SW5 "SXT SHAFT"
SW4 "SXT TRUNION"
SW2 "SCT TRUNION"
"1:1"
"10:1"
P2
J12
AC AMPLIFIER ASSY 1902433-011
A7B
A2A
AC VOLTAGE AMPLIFIER ASSY 2900130-011
A6
A5
A4
BAND PASS AMPLIFIER ASSY 2900231-011
A3
AC AMPLIFIER ASSY 1902433-011
A2B
A1A
A1B
TB3-21 RED
TB3-20 RED
TB3-42 RED
TB3-46 BLK
TB3-36 RED
TB3-40 BLK
TB3-39 RED
TB3-35 BLK
TB3-45 RED
TB3-49 BLK
J2
J3
HI 12/I
LO 12/0
SXT SHAFT TACH FEEDBACK
HI 13/I
LO 13/0
SXT TRUN TACH FEEDBACK
HI 14/I
LO 14/0
SCT TRUN TACH FEEDBACK
HI 11/I
LO 11/0
PHOTOMETER PREAMP OUTPUT
MDA INPUT HI
SCT TRUN MDA INPUT HI
TB4-45 RED
-49 BLK
-44 RED
-48 BLK
-43 RED
-47 BLK
-42 RED
-46 BLK
-37 RED
-41 BLK
-36 GRN
-40 BLK
-35 GRN
-39 BLK
-34 GRN
-38 BLK
R19 40.2K
R20 40.2K
R21 40.2K
TB7 A
R9 20K
R10 20K
TB6 C
R22 40.2K
R23 40.2K
R24 40.2K
TB7 B
PP
NN
MM
LL
KK
JJ
HH
GG
FF
EE
DD
CC
BB
AA
Z
Y
IG AC D/A ERROR TO FDAI HI
IG AC D/A ERROR TO FDAI LO
MG AC D/A ERROR TO FDAI HI
MG AC D/A ERROR TO FDAI LO
OG AC D/A ERROR TO FDAI HI
OG AC D/A ERROR TO FDAI LO
RR SHAFT AC D/A ERROR TO FDAI HI
RR SHAFT AC D/A ERROR TO FDAI LO
RR TRUN AC D/A ERROR TO FDAI HI
RR TRUN AC D/A ERROR TO FDAI LO
IG DC D/A CDU OUTPUT HI
IG DC D/A CDU OUTPUT LO
MG DC D/A CDU OUTPUT HI
MG DC D/A CDU OUTPUT LO
OG DC D/A CDU OUTPUT HI
OG DC D/A CDU OUTPUT LO
2900572 REV LTR SH 2

2/2900572


24
23
22
21
20
19
18
17
16
H
G
F
E
D
C
B
A
IG FINE ERROR (BUFF)
KK HI
JJ LO
TRUN FINE ERROR (BUFF)
PP HI
NN LO
SHAFT FINE ERROR (BUFF)
MM HI
LL LO
X TRACKER ERROR (BUFF) OR MG FINE ERROR (BUFF)
GG HI
FF LO
Y TRACKER ERROR (BUFF) OR OG FINE ERROR (BUFF)
EE HI
DD LO
CDU TP COMMON
SCT SHAFT TACH FEEDBACK (BUFF)
e HI
d LO
SXT SHAFT MDA INPUT (BUFF)
c HI
b LO
SXT SHAFT MDA OUT MON Ø1
H HI
J LO
SXT TRUN MDA INPUT (BUFF)
a HI
Z LO
SXT TRUN MDA OUT MON Ø1
K HI
M LO
SCT SHAFT MDA INPUT (BUFF)
Y HI
X LO
SCT TRUN MDA INPUT (BUFF)
W HI
V LO
J4
J3
P1
P2
J11
J12
AC AMPLIFIER ASSY 1902433-011
A11B
A13A
A13B
A12A
A12B
A8A
A8B
A7A
A7B
A2A
K1A
K1B
K2A
K2B
"OPT"
"ISS"
SW3
TB2-18 BLK
TB3-37 RED
TB3-34 BLK
TB3-30 RED
TB3-33 RED
TB3-38 RED
TB3-43 RED
TB3-47 BLK
TB3-41 RED
TB3-44 RED
TB3-48 BLK
TB3-32 RED
TB3-28 BLK
TB3-31 RED
TB3-27 RED
TB3-29 RED
TB3-26 RED
TB3-21 RED
TB3-20 RED
J1
J2
IG FINE ERROR HI
CDU TP COMMON
TRUN FINE ERROR HI
SHAFT FINE ERROR HI
ATTITUDE ERROR SHIELDS
MG FINE ERROR HI
X TRACKER ERROR HI
X TRACKER ERROR LO
OG FINE ERROR HI
Y TRACKER ERROR HI
Y TRACKER ERROR LO
HI
LO
SCT SHAFT TACH FEEDBACK
SXT SHAFT MDA INPUT HI
SXT SHAFT MDA OUTPUT MON Ø1 HI
SXT TRUN MDA INPUT HI
SXT TRUN MDA OUTPUT MON Ø1 HI
SCT SHAFT MDA INPUT HI
SCT TRUN MDA INPUT HI
2900572
REV LTR
SH. 2
MIL-1000J3-D

1/2900572

APPLICATION		REVISIONS 23421			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900037-011	2900037-011	D	REPLACES REVISION C WITH CHANGE PER MXC205526	9 OCT 65	A.N. MEM
		E	REVISED PER MXC205992	19 OCT 65	RTP
		F	REVISED PER MXC20621	19-OCT 65	B. W.D
	(M)	G	INITIAL RELEASE CLASS A PER TDRR 23421	20 OCT 65	WEB CW

REV	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
SHEET	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

REV STATUS	REV	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN 12 JUL 65 DATE
CHECKED 22 JUL 65
APPROVAL 22 JUL 65
APPROVAL 10/21/65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900573	G

SCALE —

SHEET 1 OF 62

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
50	G														
51	G														
52	G														
53	G														
54	G														
55	G														
56	G														
57	G														
58	G														
59	G														
60	G														
61	G														
62	G														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION G

NASA DRAWING NO.
2900573
SHEET 2 OF 62

NOTE GENERAL NOTES

NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND 1002032 B - ND 1002206
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 26.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 26
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
10	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
11	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 23 AND 24.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	LENGTHS SPECIFIED ARE BEFORE ACCESSORIES ARE ATTACHED.

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 3 OF ~~61~~

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NOTE GENERAL NOTES

NUMBER	DESCRIPTION
14	APPLY LEAD IDENTIFICATION TO SLEEVES OF MULTI-LEADS PER ND1002019 USING .12 HIGH CHARACTERS.
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - BLUE, WHITE WITH BLUE TRACER R - RED, WHITE WITH RED TRACER. W - WHITE
16	CIRCUIT POINT DESIGNATIONS WITH /I OR /O SUFFIX SIGNIFY THE INNER OR OUTER CONTACT IN A CONCENTRIC ARRANGEMENT.
17	ASSEMBLE PER ND1002032.

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	TOLERANCE STRIP JACKET	TOLERANCE CUT WIRE	TOLERANCE CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 4 OF ~~61~~

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900573-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHITE, ~~250 FT TOTAL LENGTH~~ 259FT 6IN TOTAL LENGTH
	2	1	2900573-002	WIRE, ND1002181, TYPE 1, CLASS 4, 24AWG, WHITE WITH WHITE JACKET, 75 FT TOTAL LENGTH
	3	1	2900573-003	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG WHITE/RED,WHITE/BLUE WITH WHITE JACKET, 110 FT TOTAL LENGTH
7	4	259	1010490-198	INSULATION SLEEVING HEAT SHRINK
7	5	42	1000243-003	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	6	42	1000242-002	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	7	91	1000243-006	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	8	91	1000242-005	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	9	2	1015818-660	CONNECTOR-PLUG
7	10	128	1015818-424	SOCKET CONTACT
7	11	71	1016369-388	CONTACT INNER FEMALE
7	12	71	1016369-288	CONTACT OUTER MALE
7	13	71	1016369-588	HYRING
7	14	71	1016369-712	INNER SUPPORTING SLEEVE
7	15	71	1016369-713	OUTER SUPPORTING SLEEVE
7	16	10	1016369-420	CONTACT MALE

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 E F G	SHEET 5 OF ~~61~~

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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	17	24	1016006-002	SPLICE REDUCER
7	18	24	1010490-258	INSULATION SLEEVING HEAT SHRINK
	19	1	MS3127E-24-61S	(1897056-610) CONNECTOR RECEPTACLE ELECT.
	20	1	MS3127E-24-61SW	(1897056-611) CONNECTOR RECEPTACLE ELECT.
7	21	1	1897214-011	CONNECTOR, RECEPTACLE
7	22	1	1897214-012	CONNECTOR, RECEPTACLE
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, WAXED, (ES2732 NO.18)
7	27	1	1016128-041	BAND, IDENTIFICATION, BLANK
7	28	6	1015818-420	SOCKET CONTACT

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 6 OF ~~61~~

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 3	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 3A	1		SHLD A3 E2	 33				.25 .25	NO NO			
A 3L			J1-24/0 TB1-48	32 28				.22	NO	A,13	12, 13, 15	
A 3R			J1-24/I TB1-44	32 28				.22	NO	A,13	11, 14	
A 8	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 8A	1		SHLD A8 E6	 36				.25 .25	NO NO			
A 8L			J1-22/I TB1-42	32 27				.22	NO	A,13	11, 14	
A 8R			J1-22/0 TB1-46	32 27				.22	NO	A,13	12, 13, 15	
A 9	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 9A	1		SHLD A9 E5	 35				.25 .25	NO NO			
A 9L			J1-21/I TB1-40	32 28				.22	NO	A,13	11, 14	
A 9R			J1-21/0 TB1-41	32 28				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 7 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 10A	1		SHLD A10 E5	 35				.25 .25	NO NO			
A 10L			J1-20/I TB1-38	32 25				.22	NO	A,13	11, 14	
A 10R			J1-20/0 TB1-39	32 25				.22	NO	A,13	12, 13, 15	
A 11	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 11A	1		SHLD A11 E5	 35				.25 .25	NO NO			
A 11L			J1-19/I TB1-36	32 29				.22	NO	A,13	11, 14	
A 11R			J1-19/0 TB1-37	32 29				.22	NO	A,13	12, 13, 15	
A 12	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 12A	1		SHLD A12 E5	 35				.25 .25	NO NO			
A 12L			J1-18/I TB1-34	32 27				.22	NO	A,13	11, 14	
A 12R			J1-18/0 TB1-35	32 27				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 8 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 13A	1		SHLD A13 E5	 35				.25 .25	NO NO			
A 13L			J1-17/I TB1-32	32 25				.22	NO	A,13	11, 14	
A 13R			J1-17/0 TB1-33	32 25				.22	NO	A,13	12, 13, 15	
A 14	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 14A	1		SHLD A14 E5	 35				.25 .25	NO NO			
A 14W			J1-31/0 TB1-31	32 27				.22	NO	A,13	12, 13, 15	
A 15	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 15A	1		SHLD A15 E5	 35				.25 .25	NO NO			
A 15W			J1-31/I TB1-27	32 28				.22	NO	A,13	11, 14	
A 17	1		J1-32/I TB1-26	32 29				.22	NO	A,13	11, 14	
A 19	1		J1-32/0 TB1-30	32 28				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 9 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1		J1-33/I TB6-7	32 49				.22	NO	A,13	11, 14	
A 22	1		TB6-15 TB1-29	49 29								
A 23	1		J1-33/0 TB6-8	32 49				.22	NO	A,13	12, 13, 15	
A 24	1		TB6-23 TB1-22	49 29								
A 25	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 25A	1		SHLD A25 E20	 37				.25 .25	NO NO			
A 25L			J1-34/0 TB1-28	32 27				.22	NO	A,13	12, 13, 15	
A 25R			J1-34/I TB1-24	32 27				.22	NO	A,13	11, 14	
A 26	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 26A	1		SHLD A26 E20	 37				.25 .25	NO NO			
A 26L			J1-35/0 TB1-25	32 25				.22	NO	A,13	12, 13, 15	
A 26R			J1-35/I TB1-21	32 25				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 10 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 GØ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 27A	1		SHLD A27 E20	 37				.25 .25	NO NO			
A 27L			J1-36/O TB1-23	32 28				.22	NO	A,13	12, 13, 15	
A 27R			J1-36/I TB1-19	32 28				.22	NO	A,13	11, 14	
A 28	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 28A	1		SHLD A28 E20	 37				.25 .25	NO NO			
A 28L			J1-37/O TB1-20	32 28				.22	NO	A,13	12, 13, 15	
A 28R			J1-37/I TB1-16	32 28				.22	NO	A,13	11, 14	
A 29	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 29A	1		SHLD A29 E20	 37				.25 .25	NO NO			
A 29L			J1-38/O TB1-18	32 25				.22	NO	A,13	12, 13, 15	
A 29R			J1-38/I TB1-14	32 25				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ØG | SHEET 11 OF ~~61~~
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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 GØ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	1		J1-6/I TB2-45	32 22				.22	NO	A,13	11, 14	
A 31	1		J1-5/O TB2-49	32 18				.22	NO	A,13	12, 13, 15	
A 32	1		J1-5/I TB2-46	32 18				.22	NO	A,13	11, 14	
A 33	1		J1-6/O J3-W	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 34	1		J1-7/I J3-T*	32 40				.22 .19	NO NO	A,13	11, 14	
A 35	1		TB2-28 J3-T*	18 40				 .19	 NO			
A 36	1		J1-7/O J3-S*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 37	1		TB2-25 J3-S*	18 40				 .19	 NO			
A 38	1		J1-8/O J3-R*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 39	1		TB2-26 J3-R*	24 40				 .19	 NO			
A 40	1		J1-8/I J3-Q*	32 40				.22 .19	NO NO	A,13	11, 14	
A 41	1		TB2-27 J3-Q*	22 40				 .19	 NO			

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ØG | SHEET 12 OF ~~61~~
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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 GØ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42	1		J1-9/O J3-M*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 43	1		TB2-43 J3-M*	25 40				 .19	 NO			
A 44	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 44A	1		SHLD A44 E3	 34				.25 .25	NO NO			
A 44W			J1-9/I TB2-47	32 24				.22	NO	A,13	11, 14	
A 45	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 45A	1		SHLD A45 E3	 34				.25 .25	NO NO			
A 45W			J1-10/I TB2-41	32 22				.22	NO	A,13	11, 14	
A 46	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 46A	1		SHLD A46 E3	 34				.25 .25	NO NO			
A 46W			J1-10/O TB2-35	32 18				.22	NO	A,13	12, 13, 15	
A 47	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ØG | SHEET 13 OF ~~61~~
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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 GØ

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47A	1		SHLD A47 E3	 34				.25 .25	NO NO			
A 47W			J1-11/I TB2-34	32 22				.22	NO	A,13	11, 14	
A 48	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 48A	1		SHLD A48 E3	 34				.25 .25	NO NO			
A 48W			J1-11/O TB2-33	32 24				.22	NO	A,13	12, 13, 15	
A 49	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 49A	1		SHLD A49 E23	 38				.25 .25	NO NO			
A 49W			J1-12/I TB2-32	32 18				.22	NO	A,13	11, 14	
A 50	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 50A	1		SHLD A50 E23	 38				.25 .25	NO NO			
A 50W			J1-12/O TB2-31	32 22				.22	NO	A,13	12, 13, 15	
A 52	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ØG | SHEET 14 OF ~~61~~
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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 52A	1		SHLD A52 E2	 33				.25 .25	NO NO			
A 52L			J1-30/0 TB2-24	32 22				.22	NO	A,13	12, 13, 15	
A 52R			J1-30/I TB2-21	32 22				.22	NO	A,13	11, 14	
A 53	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 53A	1		SHLD A53 E2	 33				.25 .25	NO NO			
A 53L			J1-29/0 TB2-23	32 24				.22	NO	A,13	12, 13, 15	
A 53R			J1-29/I TB2-20	32 24				.22	NO	A,13	11, 14	
A 54	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 54A	1		SHLD A54 E2	 33				.25 .25	NO NO			
A 54L			J1-28/0 TB2-22	32 24				.22	NO	A,13	12, 13, 15	
A 54R			J1-28/I TB2-19	32 24				.22	NO	A,13	11, 14	
A 55	1		J1-27/I TB2-14	32 18				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR ~~0~~ G		SHEET 15 OF ~~64~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 6 ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56	1		J1-27/0 TB2-17	32 22				.22	NO	A,13	12, 13, 15	
A 61	1		J1-15/I J3-K•	32 40				.22 .19	NO NO	A,13	11, 14	
A 62	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 62B	1		E4 SHLD A62	41				.25 .25	NO NO			
A 62W			TB2-11 J3-K•	18 40				 .19	 NO			
A 63	1		J1-15/0 J3-J•	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 64	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 64B	1		E4 SHLD A64	41				.25 .25	NO NO			
A 64W			TB2-10 J3-J•	22 40				 .19	 NO			
A 66	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 66B	1		E4 SHLD A66	41				.25 .25	NO NO			
A 66L			TB2-7 J3-H•	18 40				 .19	 NO			

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR ~~0~~ G		SHEET 16 OF ~~64~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 6 ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66R			TB2-4 J3-I•	18 40				 .19	 NO			
A 67	1		J4-CC XF3-2	45 55				.19 .25	NO YES			
A 68	1		XF3-1 TB2-38	55 22				.25	YES			
A 69	1		J4-BB TB2-42	45 18				.19	NO			
A 70	1		J4-AA XF4-2	45 56				.19 .25	NO YES			
A 71	1		XF4-1 TB2-39	56 18				.25	YES			
A 72	1		J4-U XF1-2	45 54				.19 .25	NO YES			
A 73	1		XF1-1 TB2-37	54 24				.25	YES			
A 74	1		J4-T TB2-40	45 24				.19	NO			
A 75	1		J4-HH XF2-2	45 55				.19 .25	NO YES			
A 76	1.		XF2-1 TB2-36	55 25				.25	YES			
A 77	1		J4-S TB2-9	45 24				.19	NO			

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR ~~0~~ G		SHEET 17 OF ~~64~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 78	1		TB2-18 P1-52	18 21				 .19	 NO		 10	
A 79	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 79A	1		SHLD A79 E8	 59				.25 .25	NO NO			
A 79L			J2-11/0 TB3-49	1 14				.22	NO	A,13	12, 13, 15	
A 79R			J2-11/I TB3-45	1 14				.22	NO	A,13	11, 14	
A 80	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 80A	1		SHLD A80 E8	 59				.25 .25	NO NO			
A 80L			J2-14/0 TB3-35	1 9				.22	NO	A,13	12, 13, 15	
A 80R			J2-14/I TB3-39	1 9				.22	NO	A,13	11, 14	
A 81	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 81A	1		SHLD A81 E8	 59				.25 .25	NO NO			
A 81L			J2-13/0 TB3-40	1 17				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR ~~0~~ G		SHEET 18 OF ~~64~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81R			J2-13/I TB3-36	1 17				.22	NO	A,13	11, 14	
A 82	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 82A	1		SHLD A82 E8	 59				.25 .25	NO NO			
A 82L			J2-12/O TB3-46	1 9				.22	NO	A,13	12, 13, 16	
A 82R			J2-12/I TB3-42	1 9				.22	NO	A,13	11, 14	
A 83	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 83A	1		SHLD A83 E8	 59				.25 .25	NO NO			
A 83W			J2-19 TB3-20	1 15				.19	NO		16	
A 84	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 84A	1		SHLD A84 E7	 57				.25 .25	NO NO			
A 84W			J2-18 TB3-21	1 14				.19	NO		16	
A 87	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~0~~ G	SHEET 19 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87A	1		SHLD A87 E7	 57				.25 .25	NO NO			
A 87L			J2-15/O TB3-28	1 9				.22	NO	A,13	12, 13, 15	
A 87R			J2-15/I TB3-32	1 9				.22	NO	A,13	11, 14	
A 88	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 88A	1		SHLD A88 E5	 35				.25 .25	NO NO			
A 88L			J1-55/O TB3-48	32 15				.22	NO	A,13	12, 13, 15	
A 88R			J1-55/I TB3-44	32 15				.22	NO	A,13	11, 14	
A 89	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 89A	1		SHLD A89 E6	 36				.25 .25	NO NO			
A 89W			J1-3/O TB3-41	32 15				.22	NO	A,13	12, 13, 15	
A 90	2				2.25 6.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 90A	1		SHLD A90 E6	 36				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~0~~ G	SHEET 20 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 90W			J1-3/I TB3-38	32 14				.22	NO	A,13	11, 14	
A 91	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 91A	1		SHLD A91 E5	 35				.25 .25	NO NO			
A 91L			J1-54/O TB3-47	32 17				.22	NO	A,13	12, 13, 15	
A 91R			J1-54/I TB3-43	32 17				.22	NO	A,13	11, 14	
A 92	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 92A	1		SHLD A92 E6	 36				.25 .25	NO NO			
A 92W			J1-1/O TB3-33	32 17				.22	NO	A,13	12, 13, 15	
A 93	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 93A	1		SHLD A93 E6	 36				.25 .25	NO NO			
A 93W			J1-1/I TB3-30	32 15				.22	NO	A,13	11, 14	
A 94	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~0~~ G	SHEET 21 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 94A	1		SHLD A94 E6	 36				.25 .25	NO NO			
A 94L			J1-2/O TB3-34	32 15				.22	NO	A,13	12, 13, 15	
A 94R			J1-2/I TB3-37	32 15				.22	NO	A,13	11, 14	
A 95	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 95B	1		E12 SHLD A95	11				.25 .25	NO NO			
A 95L			TB3-49 P2-4	14 13				 .19	 NO		 10	
A 95R			TB3-45 P2-3	14 13				 .19	 NO		 10	
A 96	1		P2-14 J4-BB	13 45				.19 .19	NO NO			
A 97	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 97B	1		E12 SHLD A97	11				.25 .25	NO NO			
A 97L			TB3-35 P2-50	9 13				 .19	 NO		 28	
A 97R			TB3-39 P2-44	9 13				 .19	 NO		 10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~0~~ G	SHEET 22 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 98B	1		E11 SHLD A98	10				.25 .25	NO NO			
A 98L			TB3-40 P2-53	17 13				 .19	 NO		 28	
A 98R			TB3-36 P2-47	17 13				 .19	 NO		 10	
A 99	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 99B	1		E11 SHLD A99	10				.25 .25	NO NO			
A 99L			TB3-46 P2-29	9 13				 .19	 NO		 28	
A 99R			TB3-42 P2-23	9 13				 .19	 NO		 10	
A 100	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 100B	1		E11 SHLD A100	10				.25 .25	NO NO			
A 100W			TB3-20 P2-9	15 13				 .19	 NO		 10	
A 101	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 23 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 101B	1		E11 SHLD A101	10				.25 .25	NO NO			
A 101W			TB3-21 P2-51	14 13				 .19	 NO		 10	
A 104	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 104B	1		E11 SHLD A104	10				.25 .25	NO NO			
A 104L			TB3-28 P2-16	9 13				 .19	 NO		 28	
A 104R			TB3-32 P2-15	9 13				 .19	 NO		 10	
A 105	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 105B	1		E14 SHLD A105	30				.25 .25	NO NO			
A 105L			TB3-48 K2-8	15 31				 .25	 YES			
A 105R			TB3-44 K2-4	15 31				 .25	 YES			
A 106	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 106B	1		E14 SHLD A106	30				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 24 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 106W			TB3-41 K2-5	15 31				 .25	 YES			
A 107	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 107B	1		E9 SHLD A107	19				.25 .25	NO NO			
A 107L			K2-6 P1-56	31 21				.25 .19	YES NO		 10	
A 107R			K2-2 P1-50	31 21				.25 .19	YES NO		 10	
A 108	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 108B	1		E14 SHLD A108	30				.25 .25	NO NO			
A 108L			TB3-47 K1-8	17 31				 .25	 YES			
A 108R			TB3-43 K1-4	17 31				 .25	 YES			
A 109	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 109B	1		E14 SHLD A109	30				.25 .25	NO NO			
A 109W			TB3-38 K1-5	14 31				 .25				

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 25 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 110B	1		E9 SHLD A110	19				.25 .25	NO NO			
A 110L			K1-6 P1-59	31 21				.25 .19	YES NO		 10	
A 110R			K1-2 P1-53	31 21				.25 .19	YES NO		 10	
A 111	1		J4-T K2-7	45 31				.19 .19	NO NO			
A 112	1		XF1-1 SW3-2	54 44				.25 .25	YES YES			
A 113	1		SW3-3 K2-3	44 31				.25 .25	YES YES			
A 114	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 114B	1		E9 SHLD A114	19				.25 .25	NO NO			
A 114W			TB3-33 P1-35	17 21				 .19	 NO		 10	
A 115	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 115B	1		E9 SHLD A115	19				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 26 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 115W			TB3-30 P1-17	15 21				.19	NO		10	
A 116	2				8.00 1.75	7.75 1.50				A,7 B,4	4 4, 5, 6	
A 116B	1		E9 SHLD A116	19				.25 .25	NO NO			
A 116W			TB3-37 P1-51	15 21				.19	NO		10	
A 117	1		P2-6 J4-X*	13 45				.19 .19	NO NO		10	
A 118	1		P2-5 J4-Y*	13 45				.19 .19	NO NO		10	
A 119	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 119A	1		SHLD A119 E13	12				.25 .25	NO NO			
A 119L			P2-26 J4-V*	13 45				.19 .19	NO NO		10	
A 119R			P2-20 J4-W*	13 45				.19 .19	NO NO		10	
A 120	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 120B	1		E4 SHLD A120	41				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 27 OF 61

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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 120L			SW2-6 J4-F*	44 45				.25 .19	YES NO			
A 120R			SW2-2 J4-G*	44 45				.25 .19	YES NO			
A 121	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 121A	1		SHLD A121 E13	12				.25 .25	NO NO			
A 121L			P2-38 SW2-6	13 44				.19 .25	NO YES		10	
A 121R			P2-32 SW2-3	13 44				.19 .25	NO YES		10	
A 122	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 122A	1		SHLD A122 E13	12				.25 .25	NO NO			
A 122W			P2-24 SW2-1	13 44				.19 .25	NO YES		10	
A 123	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 123A	1		SHLD A123 E13	12				.25 .25	NO NO			
A 123W			P2-18 SW4-1	13 44				.19 .25	NO YES		10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 28 OF ~~61~~

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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 124	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 124A	1		SHLD A124 E13	12				.25 .25	NO NO			
A 124L			P2-59 SW4-6	13 44				.19 .25	NO YES		10	
A 124R			P2-56 SW4-3	13 44				.19 .25	NO YES		10	
A 125	3				2.50 1.75	2.25 1.50				A,7 B,4	4 4, 7, 8	
A 125B	1		E4 SHLD A125	41				.25 .25	NO NO			
A 125L			SW4-6 J4-H*	44 45				.25 .19	YES NO			
A 125R			SW4-2 J4-I*	44 45				.25 .19	YES NO			
A 126	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 126A	1		SHLD A126 E13	12				.25 .25	NO NO			
A 126W			P2-12 SW5-1	13 44				.19 .25	NO YES		10	
A 127	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 29 OF ~~61~~

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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 127A	1		SHLD A127 E13	12				.25 .25	NO NO			
A 127L			P2-41 SW5-6	13 44				.19 .25	NO YES		10	
A 127R			P2-35 SW5-3	13 44				.19 .25	NO YES		10	
A 128	3				2.50 2.25	2.25 2.00				A,7 B,4	4 4, 7, 8	
A 128B	1		E4 SHLD A128	41				.25 .25	NO NO			
A 128L			SW5-6 J4-J*	44 45				.25 .19	YES NO			
A 128R			SW5-2 J4-K*	44 45				.25 .19	YES NO			
A 129	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 129A	1		SHLD A129 E13	12				.25 .25	NO NO			
A 129L			P2-17 J4-V	13 45				.19 .19	NO NO		10	
A 129R			P2-11 J4-W	13 45				.19 .19	NO NO		10	
A 130	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 30 OF ~~61~~

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MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130A	1		SHLD A130 E12	 11				.25 .25	NO NO			
A 130L			P2-58 J4-X	13 45				.19 .19	NO NO		10	
A 130R			P2-57 J4-Y	13 45				.19 .19	NO NO		10	
A 131	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 131A	1		SHLD A131 E12	 11				.25 .25	NO NO			
A 131L			P2-46 J4-Z	13 45				.19 .19	NO NO		10	
A 131R			P2-45 J4-A*	13 45				.19 .19	NO NO		10	
A 132	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 132A	1		SHLD A132 E12	 11				.25 .25	NO NO			
A 132L			P2-34 J4-B*	13 45				.19 .19	NO NO		10	
A 132R			P2-33 J4-C*	13 45				.19 .19	NO NO		10	
A 133	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR 0G
SHEET 31 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133A	1		SHLD A133 E12	 11				.25 .25	NO NO			
A 133L			P2-22 J4-D*	13 45				.19 .19	NO NO		10	
A 133R			P2-21 J4-E*	13 45				.19 .19	NO NO		10	
A 134	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 134A	1		SHLD A134 E10	 20				.25 .25	NO NO			
A 134L			P1-44 J4-DD	21 45				.19 .19	NO NO		10	
A 134R			P1-38 J4-EE	21 45				.19 .19	NO NO		10	
A 135	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 135A	1		SHLD A135 E10	 20				.25 .25	NO NO			
A 135L			P1-58 J4-FF	21 45				.19 .19	NO NO		10	
A 135R			P1-57 J4-GG	21 45				.19 .19	NO NO		10	
A 136	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR 0G
SHEET 32 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 136A	1		SHLD A136 E10	 20				.25 .25	NO NO			
A 136L			P1-47 J4-LL	21 45				.19 .19	NO NO		10	
A 136R			P1-41 J4-MM	21 45				.19 .19	NO NO		10	
A 137	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 137A	1		SHLD A137 E10	 20				.25 .25	NO NO			
A 137L			P1-29 J4-NN	21 45				.19 .19	NO NO		10	
A 137R			P1-23 J4-PP	21 45				.19 .19	NO NO		10	
A 138	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 138A	1		SHLD A138 E10	 20				.25 .25	NO NO			
A 138L			P1-10 J4-JJ	21 45				.19 .19	NO NO		10	
A 138R			P1-9 J4-KK	21 45				.19 .19	NO NO		10	
A 139	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR 06
SHEET 33 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 139A	1		SHLD A139 E15	 39				.25 .25	NO NO			
A 139L			J3-NN TB4-49	40 6				.19	NO			
A 139R			J3-PP TB4-45	40 6				.19	NO			
A 140	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 140B	1		E17 SHLD A140	46				.25 .25	NO NO			
A 140L			J3-NN TB7-4	40 50				.19	NO			
A 140R			J3-PP TB7-12	40 50				.19	NO			
A 141	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 141A	1		SHLD A141 E15	 39				.25 .25	NO NO			
A 141L			J3-LL TB4-48	40 7				.19	NO			
A 141R			J3-MM TB4-44	40 7				.19	NO			
A 142	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR 06
SHEET 34 OF ~~61~~ 62

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142B	1		E17 SHLD A142	46				.25 .25	NO NO			
A 142L			J3-LL TB7-5	40 50				.19	NO			
A 142R			J3-MM TB7-13	40 50				.19	NO			
A 143	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 143A	1		SHLD A143 E15	 39				.25 .25	NO NO			
A 143L			J3-JJ TB4-47	40 8				.19	NO			
A 143R			J3-KK TB4-43	40 8				.19	NO			
A 144	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 144B	1		E17 SHLD A144	46				.25 .25	NO NO			
A 144L			J3-JJ TB7-6	40 50				.19	NO			
A 144R			J3-KK TB7-14	40 50				.19	NO			
A 145	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G	SHEET 35 OF ~~61~~ 62	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145A	1		SHLD A145 E15	 39				.25 .25	NO NO			
A 145L			J3-GG TB4-46	40 6				.19	NO			
A 145R			J3-HH TB4-42	40 6				.19	NO			
A 146	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 146B	1		E17 SHLD A146	46				.25 .25	NO NO			
A 146L			J3-GG TB6-16	40 49				.19	NO			
A 146R			J3-HH TB6-24	40 49				.19	NO			
A 147	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 147A	1		SHLD A147 E15	 39				.25 .25	NO NO			
A 147L			J3-EE TB4-41	40 7				.19	NO			
A 147R			J3-FF TB4-37	40 7				.19	NO			
A 148	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G	SHEET 36 OF ~~61~~ 62	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 148B	1		E17 SHLD A148	46				.25 .25	NO NO			
A 148L			J3-EE TB6-17	40 49				.19	NO			
A 148R			J3-FF TB6-25	40 49				.19	NO			
A 149	1		J3-DD TB4-36	40 8				.19	NO			
A 150	1		J3-DD TB7-15	40 50				.19	NO			
A 151	1		J3-CC TB4-40	40 8				.19	NO			
A 152	1		J3-CC TB7-7	40 50				.19	NO			
A 153	1		J3-BB TB4-35	40 6				.19	NO			
A 154	1		J3-BB TB7-23	40 50				.19	NO			
A 155	1		J3-AA TB4-39	40 5				.19	NO			
A 156	1		J3-AA TB7-8	40 50				.19	NO			
A 157	1		J3-Z* TB4-34	40 7				.19	NO			

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G	SHEET 37 OF ~~61~~ 62	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1		J3-Z* TB7-16	40 50				.19	NO			
A 159	1		J3-Y* TB4-38	40 6				.19	NO			
A 160	1		J3-Y* TB7-24	40 50				.19	NO			
A 161	1		J3-X* TB4-29	40 8				.19	NO			
A 162	1		J3-X* TB6-26	40 49				.19	NO			
A 163	1		J3-W* TB4-33	40 8				.19	NO			
A 164	1		J3-W* TB6-18	40 49				.19	NO			
A 165	1		J3-V* TB4-28	40 6				.19	NO			
A 166	1		J3-V* TB6-27	40 49				.19	NO			
A 167	1		J3-U* TB4-32	40 5				.19	NO			
A 168	1		J3-U* TB6-19	40 49				.19	NO			
A 169	1		TB7-4 E17	50 46				 .25	 NO			

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G	SHEET 38 OF ~~61~~ 62	

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1		TB7-5 E17	50 46				.25	NO			
A 171	1		TB7-6 E16	50 48				.25	NO			
A 172	1		TB7-7 E16	50 48				.25	NO			
A 173	1		TB7-8 E16	50 48				.25	NO			
A 174	1		TB7-24 E16	50 48				.25	NO			
A 175	1		TB6-16 E16	49 48				.25	NO			
A 176	1		TB6-17 E16	49 48				.25	NO			
A 177	1		TB6-18 E16	49 48				.25	NO			
A 178	1		TB6-19 E16	49 48				.25	NO			
A 179	1		E15 E17	39 46				.25 .25	NO NO			
A 180	1		E16 E17	48 46				.25 .25	NO NO			
A 181	1		J2-1 TB5-45	1 3				.19	NO	A,13	16	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 39 OF ~~41~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1		J2-3 TB5-49	1 2				.19	NO		16	
A 183	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 183A	1		SHLD A183 E8	59				.25 .25	NO NO			
A 183L			J2-6/0 TB5-40	1 5				.22	NO	A,13	12, 13, 15	
A 183R			J2-6/I TB5-31	1 5				.22	NO	A,13	11, 14	
A 186	1		J2-4/I TB5-46	1 2				.22	NO	A,13	11, 14	
A 187	1		J2-4/0 TB5-42	1 2				.22	NO	A,13	12, 13, 15	
A 188	1		J2-7/I TB5-28	1 2				.22	NO	A,13	11, 14	
A 189	1		J2-7/0 TB5-36	1 5				.22	NO	A,13	12, 13, 15	
A 190	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 190A	1		SHLD A190 E8	59				.25 .25	NO NO			
A 190L			J2-8/0 J4-K	1 45				.22 .19	NO NO	A,13	12, 13, 15	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 40 OF ~~41~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190R			J2-8/I J4-J	1 45				.22 .19	NO NO	A,13	11, 14	
A 191	1		J2-20/I TB5-26	1 4				.22	NO	A,13	11, 14	
A 192	1		J2-20/0 TB5-30	1 4				.22	NO	A,13	12, 13, 15	
A 193	1		J2-24/I TB1-22	1 29				.22	NO	A,13	11, 14	
A 194	1		J2-24/0 TB5-39	1 2				.22	NO	A,13	12, 13, 15	
A 195	1		TB5-19 J3-P*	4 40				.19	NO			
A 197	1		TB5-22 J3-N*	5 40				.19	NO			
A 198	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 198A	1		SHLD A198 E18	58				.25 .25	NO NO			
A 198W			J2-22/I TB6-20	1 49				.22	NO	A,13	11, 14	
A 199	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 199A	1		SHLD A199 E19	47				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 41 OF ~~41~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 199L			TB6-28 TB5-48	49 3								
A 199R			TB6-20 TB5-35	49 3								
A 200	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 200A	1		SHLD A200 E18	58				.25 .25	NO NO			
A 200L			J2-23/0 TB6-29	1 49				.22	NO	A,13	12, 13, 15	
A 200R			J2-23/I TB6-21	1 49				.22	NO	A,13	11, 14	
A 201	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 201A	1		SHLD A201 E19	47				.25 .25	NO NO			
A 201L			TB6-30 TB5-33	49 4								
A 201R			TB6-21 TB5-37	49 4								
A 202	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 202A	1		SHLD A202 E18	58				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 42 OF ~~41~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 202W			J2-22/0 TB6-22	1 49				.22	NO	A,13	12, 13, 15	
A 203	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 203A	1		SHLD A203 E19	 47				.25 .25	NO NO			
A 203W			TB6-22 TB5-29	49 5								
A 204	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 204A	1		SHLD A204 E18	 58				.25 .25	NO NO			
A 204L			J2-25/0 TB7-1	1 50				.22	NO	A,13	12, 13, 15	
A 204R			J2-25/I TB7-9	1 50				.22	NO	A,13	11, 14	
A 205	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 205A	1		SHLD A205 E19	 47				.25 .25	NO NO			
A 205L			TB7-1 TB5-23	50 4								
A 205R			TB7-9 TB5-20	50 4								

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0G	SHEET 43 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 206	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 206A	1		SHLD A206 E18	 58				.25 .25	NO NO			
A 206L			J2-2/0 TB7-2	1 50				.22	NO	A,13	12, 13, 15	
A 206R			J2-2/I TB7-10	1 50				.22	NO	A,13	11, 14	
A 207	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 207A	1		SHLD A207 E19	 47				.25 .25	NO NO			
A 207W			TB7-10 TB5-44	50 4								
A 208	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 208A	1		SHLD A208 J8	 23				.25 .25	NO YES			
A 208L			J8 P1-16	23 21				.25 .19	YES NO		 10	
A 208R			J7 P1-15	23 21				.25 .19	YES NO		 10	
A 209	1		XF2-1 P1-28	55 21				.25 .19	YES NO		 10	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0G	SHEET 44 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 210	1		J6 P1-39	26 21				.25 .19	YES NO		 10	
A 211	3				2.25 1.75	2.00 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
A 211A	1		SHLD A211 J10	 16				.25 .25	NO YES			
A 211B	1		J4-S* SHLD A211	45				.19 .25	NO NO			
A 211L			J10 J4-T*	16 45				.25 .19	YES NO			
A 211R			J9 J4-U*	16 45				.25 .19	YES NO			
A 212	3				2.25 2.25	2.00 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 212A	1		SHLD A212 P1-27	 21				.25 .19	NO NO			
A 212B	1		J4-P* SHLD A212	45				.19 .25	NO NO			
A 212L			P1-22 J4-Q*	21 45				.19 .19	NO NO			
A 212R			P1-21 J4-R*	21 45				.19 .19	NO NO			
A 213	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0G	SHEET 45 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213A	1		SHLD A213 P1-40	 21				.25 .19	NO NO			
A 213L			P1-46 J4-M*	21 45				.19 .19	NO NO			
A 213R			P1-45 J4-N*	21 45				.19 .19	NO NO			
A 214	1		E20 E15	37 39				.25 .25	NO NO			
A 215	1		E18 E19	58 47				.25 .25	NO NO			
A 216	1		E5 E21	35 52				.25 .25	NO NO			
A 217	1		E6 E21	36 52				.25 .25	NO NO			
A 218	1		E3 E21	34 52				.25 .25	NO NO			
A 219	1		E2 E21	33 52				.25 .25	NO NO			
A 220	1		E4 E21	41 52				.25 .25	NO NO			
A 221	1		E14 E22	30 53				.25 .25	NO NO			
A 222	1		E7 E21	57 52				.25 .25	NO NO			

CODE IDENT NO. 99974	SIZE A	2900573
SCALE-NONE	REV LTR 0G	SHEET 46 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 223	1		E8 E21	59 52				.25 .25	NO NO			
A 224	1		E9 E22	19 53				.25 .25	NO NO			
A 225	1		E10 E22	20 53				.25 .25	NO NO			
A 226	1		E11 E22	10 53				.25 .25	NO NO			
A 227	1		E12 E22	11 53				.25 .25	NO NO			
A 228	1		E13 E22	12 53				.25 .25	NO NO			
A 229	1		TB6-29 TB6-30	49 49								
A 230	1		TB2-18 TB3-34	18 22								
A 231	1		P1-26 K1-1	21 31				.19 .25	NO YES			
A 232	1		K1-1 K2-1	31 31				.25 .25	YES YES			
A 233	1		K2-1 J3-G*	31 40				.25 .19	YES NO			
A 234	1		K2-3 K1-3	31 31				.25 .25	YES YES			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 47 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 235	1		K2-7 K1-7	31 31				.25 .25	YES YES			
A 236	1		E22 J3-D*	53 40				.25 .19	NO NO			
A 237	1		E21 E22	52 53				.25 .25	NO NO			
A 238	1		E23 J3-E*	38 40				.25 .19	NO NO			
A 239	1		TB2-36 P2-30	25 13				.19	NO		10	
A 240	1		XF2-1 P1-20	55 21				.25 .19	YES NO		10	
A 241	1		P2-36 E-22	13 53				.19 .25	NO NO		10	
A 242	1		P1-14 E23	21 38				.19 .25	NO NO		10	
A 243	1		J1-42 E20	32 37				.19 .25	NO NO		16	
A 244	1		J1-41/I J3-X	32 40				.22 .19	NO NO	A,13	11, 14	
A 245	1		J1-41/0 J3-Y	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 246	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 48 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 246A	1		SHLD A246 E25	 42				.25 .25	NO NO			
A 246L			J1-40/0 TB1-15	32 29				.22	NO	A,13	12, 13, 15	
A 246R			J1-40/I TB1-12	32 29				.22	NO	A,13	11, 14	
A 247	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 247A	1		SHLD A247 E25	 42				.25 .25	NO NO			
A 247L			J1-39/0 TB1-17	32 27				.22	NO	A,13	12, 13, 15	
A 247R			J1-39/I TB1-13	32 27				.22	NO	A,13	11, 14	
A 248	1		P1-11 E20	21 37				.19 .25	NO NO		10	
A 249	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 249A	1		SHLD A249 E6	 36				.25 .25	NO NO			
A 249L			J1-23/0 TB1-47	32 29				.22	NO	A,13	12, 13, 15	
A 249R			J1-23/I TB1-43	32 29				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 49 OF ~~61~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 250	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 250A	1		SHLD A250 E25	 42				.25 .25	NO NO			
A 250L			J1-43/0 TB1-9	32 28				.22	NO	A,13	12, 13, 15	
A 250R			J1-43/I TB1-6	32 28				.22	NO	A,13	11, 14	
A 251	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 251A	1		SHLD A251 E3	 34				.25 .25	NO NO			
A 251L			J1-25/0 TB2-15	32 25				.22	NO	A,13	12, 13, 15	
A 251R			J1-25/I TB2-12	32 25				.22	NO	A,13	11, 14	
A 252	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 252A	1		SHLD A252 E3	 34				.25 .25	NO NO			
A 252L			J1-26/0 TB2-16	32 24				.22	NO	A,13	12, 13, 15	
A 252R			J1-26/I TB2-13	32 24				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 50 OF ~~61~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 253A	1		SHLD A253 E18	 58				.25 .25	NO NO			
A 253W			J2-27 TB7-11	1 50				.19	NO		16	
A 254	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 254A	1		SHLD A254 E19	 47				.25 .25	NO NO			
A 254L			TB7-3 TB5-33	50 3								
A 254R			TB7-11 TB5-24	50 3								
A 255	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 255A	1		SHLD A255 E8	 59				.25 .25	NO NO			
A 255L			J2-28/0 J4-P	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 255R			J2-28/I J4-R	1 45				.22 .19	NO NO	A,13	11, 14	
A 256	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 51 OF ~~64~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 256A	1		SHLD A256 E4	 41				.25 .25	NO NO			
A 256L			J4-P TB5-47	45 5				.19	NO			
A 256R			J4-R TB5-43	45 5				.19	NO			
A 257	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	
A 257A	1		SHLD A257 E8	 59				.25 .25	NO NO			
A 257L			J2-29/0 J4-M	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 257R			J2-29/I J4-N	1 45				.22 .19	NO NO	A,13	11, 14	
A 258	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 258A	1		SHLD A258 E4	 41				.25 .25	NO NO			
A 258L			J4-M TB5-25	45 2				.19	NO			
A 258R			J4-N TB5-21	45 2				.19	NO			
A 259	1		P2-8 XF3-1	13 55				.19 .25	NO YES		10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 52 OF ~~64~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 260	1		TB6-23 TB7-25	49 50								
A 261	1		TB7-17 TB7-18	50 50								
A 262	1		TB7-17 SW6-4	50 43				.25	YES			
A 263	1		TB7-25 SW6-1	50 43				.25	YES			
A 264	1		SW6-2 TB5-27	43 3				.25	YES			
A 265	1		SW6-5 TB5-18	43 2				.25	YES			
A 266	1		TB7-26 TB2-7	50 18								
A 267	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 267A	1		SHLD A267 E23	 58				.25 .25	NO NO			
A 267L			J1-14/0 TB1-49	32 27				.22	NO	A,13	12, 13, 15	
A 267R			J1-14/I TB1-45	32 27				.22	NO	A,13	11, 14	
A 268	1		E18 E23	58 38				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 53 OF ~~64~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 60

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1		J2-21 E8	1 59				.19 .25	NO NO		16	
A 270	1		J1-4/I TB5-19	32 4				.22	NO	A,13	11, 14	
A 271	1		J1-4/0 TB5-22	32 5				.22	NO	A,13	12, 13, 15	
A 272	1		J1-13 E23	32 38				.19 .25	NO NO		16	
A 273	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 273A	1		SHLD A273 E7	 57				.25 .25	NO NO			
A 273W			J2-16/I TB3-31	1 14				.22	NO	A,13	11, 14	
A 274	2				1.75 1.75	1.50 1.50				B,4 A,7	4, 5, 6 4	
A 274A	1		SHLD A274 E7	 57				.25 .25	NO NO			
A 274W			J2-16/0 J3-H	1 40				.22 .19	NO NO	A,13	12, 13, 15	
A 275	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 275A	1		SHLD A275 E12	 11				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 54 OF ~~64~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 275W			P2-27 TB3-31	13 14				.19	NO		10	
A 276	1		P2-29 P2-28	13 13				.19 .19	NO NO		 28	
A 277	1		P2-28 J3-J	13 40				.19 .19	NO NO			
A 278	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 278A	1		SHLD A278 E4	 41				.25 .25	NO NO			
A 278W			J3-H TB3-27	40 15				.19	NO			
A 279	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 279A	1		SHLD A279 E7	 57				.25 .25	NO NO			
A 279W			J2-17/I TB3-29	1 17				.22	NO	A,13	11, 14	
A 280	2				1.75 1.75	1.50 1.00				B,4 A,7	4, 5, 6 4	
A 280A	1		SHLD A280 E7	 57				.25 .25	NO NO			
A 280W			J2-17/0 J3-K	1 40				.22 .19	NO NO	A,13	12, 13, 15	

CODE IDENT NO. 99974 SIZE A 2900573

SCALE-NONE REV LTR ~~0~~G SHEET 55 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 281A	1		SHLD A281 E11	 10				.25 .25	NO NO			
A 281W			P2-39 TB3-29	13 17				.19	NO		10	
A 282	1		P2-53 P2-40	13 13				.19 .19	NO NO		 28	
A 283	1		P2-40 J3-M	13 40				.19 .19	NO NO			
A 284	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 284A	1		SHLD A284 E4	 41				.25 .25	NO NO			
A 284W			J3-K TB3-26	40 17				.19	NO			
A 285	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 285A	1		SHLD A285 E24	 60				.25 .25	NO NO			
A 285W			J2-5/I TB5-32	1 2				.22	NO	A,13	11, 14	
A 286	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	

CODE IDENT NO. 99974 SIZE A 2900573

SCALE-NONE REV LTR ~~0~~G SHEET 56 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 286A	1		SHLD A286 E24	 60				.25 .25	NO NO			
A 286W			J2-5/0 TB5-41	1 3				.22	NO	A,13	12, 13, 15	
A 287	1		J4-J TB5-38	45 3				.19	NO			
A 288	1		J4-K TB5-34	45 3				.19	NO			
A 289	3				2.25 5.00	2.00 4.75				B,4 A,7	4, 7, 8 4	
A 289A	1		SHLD A289 E24	 60				.25 .25	NO NO			
A 289L			J2-54/0 SW1-2B	1 51				.22 .25	NO YES	A,13	12, 13, 15	
A 289R			J2-54/I SW1-2A	1 51				.22 .25	NO YES	A,13	11, 14	
A 290	3				1.75 5.00	1.50 4.75				B,4 A,7	4, 7, 8 4	
A 290A	1		SHLD A290 E24	 60				.25 .25	NO NO			
A 290L			J2-55/0 SW1-4A	1 51				.22 .25	NO YES	A,13	12, 13, 15	
A 290R			J2-55/I SW1-3A	1 51				.22 .25	NO YES	A,13	11, 14	

CODE IDENT NO. 99974 SIZE A 2900573

SCALE-NONE REV LTR ~~0~~G SHEET 57 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~0~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1		SW1-2B SW1-4B	51 51				.25 .25	YES YES			
A 292	1		SW1-3B SW1-4A	51 51				.25 .25	YES YES			
A 293	1		TB7-2 TB6-28	50 49								
A 294	1		J2-31/I TB5-16	1 4				.22	NO	A,13	11, 14	
A 295	1		J2-31/0 TB5-17	1 3				.22	NO	A,13	12, 13, 15	
A 296	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 296A	1		SHLD A296 E24	 60				.25 .25	NO NO			
A 296L			J2-32/0 TB4-27	1 7				.22	NO	A,13	12, 13, 15	
A 296R			J2-32/I TB4-26	1 7				.22	NO	A,13	11, 14	
A 297	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 297A	1		SHLD A297 E24	 60				.25 .25	NO NO			
A 297L			J2-33/0 TB4-25	1 5				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974 SIZE A 2900573

SCALE-NONE REV LTR ~~0~~G SHEET 58 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297R			J2-33/I TB4-24	1 5				.22	NO	A,13	11, 14	
A 298	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 298A	1		SHLD A298 E24	 60				.25 .25	NO NO			
A 298L			J2-34/0 TB4-31	1 7				.22	NO	A,13	12, 13, 15	
A 298R			J2-34/I TB4-30	1 7				.22	NO	A,13	11, 14	
A 299	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 299A	1		SHLD A299 E24	 60				.25 .25	NO NO			
A 299L			J2-35/0 TB4-23	1 8				.22	NO	A,13	12, 13, 15	
A 299R			J2-35/I TB4-22	1 8				.22	NO	A,13	11, 14	
A 300	1		J2-30 E18	1 58				.19 .25	NO NO		16	
A 301	1		E24 E21	60 52				.25 .25	NO NO			
A 302	1		J1-45/I TB5-14	32 2				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~F~~G	SHEET 59 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~D~~ ~~E~~ ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1		J1-45/0 TB5-15	32 5				.22	NO	A,13	12, 13, 15	
A 304	1		J1-46/I TB5-12	32 4				.22	NO	A,13	11, 14	
A 305	1		J1-46/0 TB5-13	32 3				.22	NO	A,13	12, 13, 15	
A 306	1		J1-44 E6	32 36				.19 .25	NO NO		16	
A 307	1		P1-32 E25	21 42				.19 .25	NO NO		10	
A 308	1		P2-16 P2-52	13 13				.19 .19	NO NO		 10	
A 309	1		P2-10 P2-50	13 13				.19 .19	NO NO		10	
A 310	1		J1-16/0 J3-H*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 311	1		J1-16/I J3-I*	32 40				.22 .19	NO NO	A,13	11, 14	
A 312	1		TB5-18 TB5-10	2 3								
A 313	1		TB5-27 TB5-11	3 2								
A 314	1		J1-47/I TB6-6	32 49				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ~~D~~ ~~E~~ ~~F~~G	SHEET 60 OF ~~61~~ 62

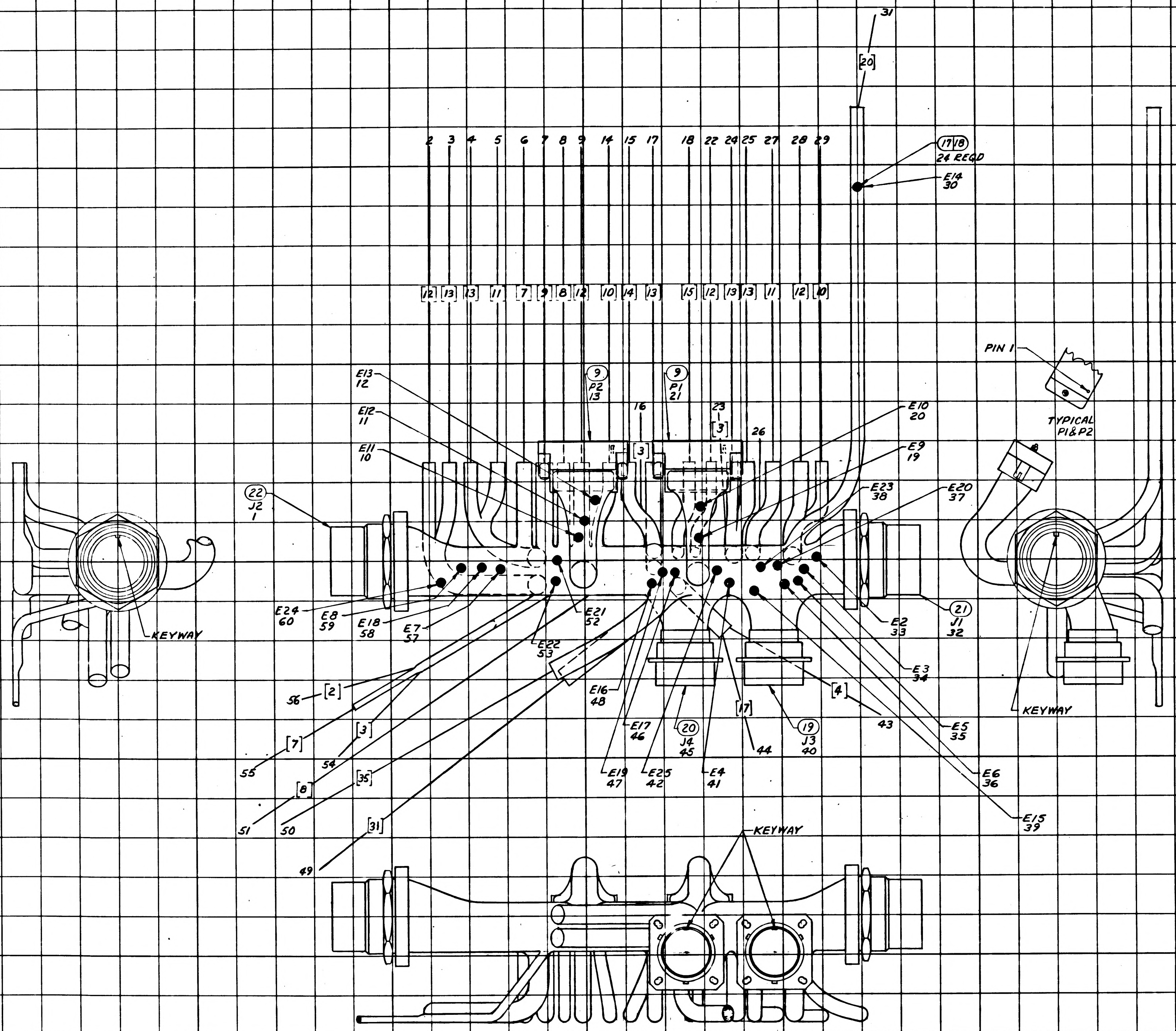
MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1		TB6-14 TB2-44	49 24								
A 316	1		J1-47/0 TB2-48	32 22				.22	NO	A,13	12, 13, 15	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900573
SCALE-NONE	REV LTR ~~F~~G	SHEET 61 OF 62

REVISIONS			23421		
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD.
		SEE SHEET 1 FOR REV. STATUS			



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2 3 4 5 6 7 8 9 14 15 17 18 22 24 25 27 28 29
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24 REQD
E14
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PIN 1
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P1&P2
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E12
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E11
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P2
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E9
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E20
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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

2900037-011	2900037-011
NEXT ASSY	USED ON
APPLICATION	

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN RWAlison 12 JUL 65 DATE
CHECKED K Lums 22 JUL 65
APPROVAL R. Jewell 22 JUL 65
APPROVAL Feldman
NASA APPROVAL A.R. Metzger
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900573
SCALE 1/1
SHEET 52 OF 62

2900573

APPLICATION	
NEXT ASSY	USED ON
2900037-011	2900037-011

REVISIONS 23421

SYM	DESCRIPTION	DATE	APPROVAL
D	REPLACES REVISION C WITH CHANGE PER MXC205526	9 OCT 65	A.N. MEM
E	REVISED PER MXC205992	19 OCT 65	RTP
F	REVISED PER MXC2062A	14-OCT 65	B. W.D
(M) G	INITIAL RELEASE CLASS A PER TDRR 23421	20 OCT 65	CW
H	REVISED PER TDRR 23800	10 NOV 65	PHG EF

REV	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
SHEET	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

REV STATUS OF SHEETS	REV	H	H	G	H	G	H	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN 12 JUL 65 DATE
CHECKED 22 JUL 65
APPROVAL 22 JUL 65
APPROVAL 10/21/65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE A
2900573
REV H
SCALE —
SHEET 1 OF 62

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
50	G														
51	G														
52	G														
53	G														
54	G														
55	G														
56	G														
57	G														
58	G														
59	G														
60	G														
61	G														
62	H														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION H

NASA DRAWING NO.
2900573
SHEET 2 OF 62

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND 1002032 B - ND 1002206
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 26.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 26
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
10	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
11	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 23 AND 24.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	LENGTHS SPECIFIED ARE BEFORE ACCESSORIES ARE ATTACHED.

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SCALE-NONE	REV LTR Ø G	SHEET 3 OF ~~61~~ 62

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	APPLY LEAD IDENTIFICATION TO SLEEVES OF MULTI-LEADS PER ND1002019 USING .12 HIGH CHARACTERS.
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - BLUE, WHITE WITH BLUE TRACER R - RED, WHITE WITH RED TRACER. W - WHITE
16	CIRCUIT POINT DESIGNATIONS WITH /I OR /O SUFFIX SIGNIFY THE INNER OR OUTER CONTACT IN A CONCENTRIC ARRANGEMENT.
17	ASSEMBLE PER ND1002032.
18	TAPE HARNESS USING ITEM 29

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

CODE IDENT NO.	SIZE	
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LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900573-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHITE, ~~250 FT TOTAL LENGTH~~ 259FT 6IN TOTAL LENGTH
	2	1	2900573-002	WIRE, ND1002181, TYPE 1, CLASS 4, 24AWG, WHITE WITH WHITE JACKET, 75 FT TOTAL LENGTH
	3	1	2900573-003	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG WHITE/RED,WHITE/BLUE WITH WHITE JACKET, 110 FT TOTAL LENGTH
7	4	259	1010490-198	INSULATION SLEEVING HEAT SHRINK
7	5	42	1000243-003	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	6	42	1000242-002	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	7	91	1000243-006	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	8	91	1000242-005	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	9	2	1015818-660	CONNECTOR-PLUG
7	10	128	1015818-424	SOCKET CONTACT
7	11	71	1016369-388	CONTACT INNER FEMALE
7	12	71	1016369-288	CONTACT OUTER MALE
7	13	71	1016369-588	HYRING
7	14	71	1016369-712	INNER SUPPORTING SLEEVE
7	15	71	1016369-713	OUTER SUPPORTING SLEEVE
7	16	10	1016369-420	CONTACT MALE

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR Ø F G	SHEET 5 OF ~~61~~ 62

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	17	24	1016006-002	SPLICE REDUCER
7	18	24	1010490-258	INSULATION SLEEVING HEAT SHRINK
	19	1	MS3127E-24-61S	(1897056-610) CONNECTOR RECEPTACLE ELECT.
	20	1	MS3127E-24-61SW	(1897056-611) CONNECTOR RECEPTACLE ELECT.
7	21	1	1897214-011	CONNECTOR, RECEPTACLE
7	22	1	1897214-012	CONNECTOR, RECEPTACLE
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, WAXED, (ES2732 NO.18)
7	27	1	1016128-041	BAND, IDENTIFICATION, BLANK
7	28	6	1015818-420	SOCKET CONTACT
18	29	AR	MIL-I-15126	TAPE, TYPE ACT (ES2716 TYPE C)

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR Ø G H	SHEET 6 OF ~~61~~ 62

WIRING HARNESS A 2900573 G 0

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A	3A	1		SHLD A3 E2	 33				.25 .25	NO NO			
A	3L			J1-24/0 TB1-48	32 28				.22	NO	A,13	12, 13, 15	
A	3R			J1-24/I TB1-44	32 28				.22	NO	A,13	11, 14	
A	8	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A	8A	1		SHLD A8 E6	 36				.25 .25	NO NO			
A	8L			J1-22/I TB1-42	32 27				.22	NO	A,13	11, 14	
A	8R			J1-22/0 TB1-46	32 27				.22	NO	A,13	12, 13, 15	
A	9	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A	9A	1		SHLD A9 E5	 35				.25 .25	NO NO			
A	9L			J1-21/I TB1-40	32 28				.22	NO	A,13	11, 14	
A	9R			J1-21/0 TB1-41	32 28				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE - NONE	REV LTR 0 G	SHEET 7 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A	10A	1		SHLD A10 E5	 35				.25 .25	NO NO			
A	10L			J1-20/I TB1-38	32 25				.22	NO	A,13	11, 14	
A	10R			J1-20/0 TB1-39	32 25				.22	NO	A,13	12, 13, 15	
A	11	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A	11A	1		SHLD A11 E5	 35				.25 .25	NO NO			
A	11L			J1-19/I TB1-36	32 29				.22	NO	A,13	11, 14	
A	11R			J1-19/0 TB1-37	32 29				.22	NO	A,13	12, 13, 15	
A	12	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A	12A	1		SHLD A12 E5	 35				.25 .25	NO NO			
A	12L			J1-18/I TB1-34	32 27				.22	NO	A,13	11, 14	
A	12R			J1-18/0 TB1-35	32 27				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE - NONE	REV LTR 0 G	SHEET 8 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A	13A	1		SHLD A13 E5	 35				.25 .25	NO NO			
A	13L			J1-17/I TB1-32	32 25				.22	NO	A,13	11, 14	
A	13R			J1-17/0 TB1-33	32 25				.22	NO	A,13	12, 13, 15	
A	14	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A	14A	1		SHLD A14 E5	 35				.25 .25	NO NO			
A	14W			J1-31/0 TB1-31	32 27				.22	NO	A,13	12, 13, 15	
A	15	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A	15A	1		SHLD A15 E5	 35				.25 .25	NO NO			
A	15W			J1-31/I TB1-27	32 28				.22	NO	A,13	11, 14	
A	17	1		J1-32/I TB1-26	32 29				.22	NO	A,13	11, 14	
A	19	1		J1-32/0 TB1-30	32 28				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE - NONE	REV LTR 0 G	SHEET 9 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	1		J1-33/I TB6-7	32 49				.22	NO	A,13	11, 14	
A	22	1		TB6-15 TB1-29	49 29								
A	23	1		J1-33/0 TB6-8	32 49				.22	NO	A,13	12, 13, 15	
A	24	1		TB6-23 TB1-22	49 29								
A	25	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A	25A	1		SHLD A25 E20	 37				.25 .25	NO NO			
A	25L			J1-34/0 TB1-28	32 27				.22	NO	A,13	12, 13, 15	
A	25R			J1-34/I TB1-24	32 27				.22	NO	A,13	11, 14	
A	26	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A	26A	1		SHLD A26 E20	 37				.25 .25	NO NO			
A	26L			J1-35/0 TB1-25	32 25				.22	NO	A,13	12, 13, 15	
A	26R			J1-35/I TB1-21	32 25				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974	SIZE A	2900573
SCALE - NONE	REV LTR 0 G	SHEET 10 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 27A	1		SHLD A27 E20	 37				.25 .25	NO NO			
A 27L			J1-36/0 TB1-23	32 28				.22	NO	A,13	12, 13, 15	
A 27R			J1-36/I TB1-19	32 28				.22	NO	A,13	11, 14	
A 28	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 28A	1		SHLD A28 E20	 37				.25 .25	NO NO			
A 28L			J1-37/0 TB1-20	32 28				.22	NO	A,13	12, 13, 15	
A 28R			J1-37/I TB1-16	32 28				.22	NO	A,13	11, 14	
A 29	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 29A	1		SHLD A29 E20	 37				.25 .25	NO NO			
A 29L			J1-38/0 TB1-18	32 25				.22	NO	A,13	12, 13, 15	
A 29R			J1-38/I TB1-14	32 25				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ØG	SHEET 11 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	1		J1-6/I TB2-45	32 22				.22	NO	A,13	11, 14	
A 31	1		J1-5/0 TB2-49	32 18				.22	NO	A,13	12, 13, 15	
A 32	1		J1-5/I TB2-46	32 18				.22	NO	A,13	11, 14	
A 33	1		J1-6/0 J3-W	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 34	1		J1-7/I J3-T*	32 40				.22 .19	NO NO	A,13	11, 14	
A 35	1		TB2-28 J3-T*	18 40				 .19	 NO			
A 36	1		J1-7/0 J3-S*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 37	1		TB2-25 J3-S*	18 40				 .19	 NO			
A 38	1		J1-8/0 J3-R*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 39	1		TB2-26 J3-R*	24 40				 .19	 NO			
A 40	1		J1-8/I J3-Q*	32 40				.22 .19	NO NO	A,13	11, 14	
A 41	1		TB2-27 J3-Q*	22 40				 .19	 NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ØG	SHEET 12 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42	1		J1-9/0 J3-M*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 43	1		TB2-43 J3-M*	25 40				 .19	 NO			
A 44	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 44A	1		SHLD A44 E3	 34				.25 .25	NO NO			
A 44W			J1-9/I TB2-47	32 24				.22	NO	A,13	11, 14	
A 45	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 45A	1		SHLD A45 E3	 34				.25 .25	NO NO			
A 45W			J1-10/I TB2-41	32 22				.22	NO	A,13	11, 14	
A 46	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 46A	1		SHLD A46 E3	 34				.25 .25	NO NO			
A 46W			J1-10/0 TB2-35	32 18				.22	NO	A,13	12, 13, 15	
A 47	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ØG	SHEET 13 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G Ø

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47A	1		SHLD A47 E3	 34				.25 .25	NO NO			
A 47W			J1-11/I TB2-34	32 22				.22	NO	A,13	11, 14	
A 48	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 48A	1		SHLD A48 E3	 34				.25 .25	NO NO			
A 48W			J1-11/0 TB2-33	32 24				.22	NO	A,13	12, 13, 15	
A 49	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 49A	1		SHLD A49 E23	 38				.25 .25	NO NO			
A 49W			J1-12/I TB2-32	32 18				.22	NO	A,13	11, 14	
A 50	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 50A	1		SHLD A50 E23	 38				.25 .25	NO NO			
A 50W			J1-12/0 TB2-31	32 22				.22	NO	A,13	12, 13, 15	
A 52	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR ØG	SHEET 14 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 52A	1		SHLD A52 E2	 33				.25 .25	NO NO			
A 52L			J1-30/0 TB2-24	32 22				.22	NO	A,13	12, 13, 15	
A 52R			J1-30/I TB2-21	32 22				.22	NO	A,13	11, 14	
A 53	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 53A	1		SHLD A53 E2	 33				.25 .25	NO NO			
A 53L			J1-29/0 TB2-23	32 24				.22	NO	A,13	12, 13, 15	
A 53R			J1-29/I TB2-20	32 24				.22	NO	A,13	11, 14	
A 54	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 54A	1		SHLD A54 E2	 33				.25 .25	NO NO			
A 54L			J1-28/0 TB2-22	32 24				.22	NO	A,13	12, 13, 15	
A 54R			J1-28/I TB2-19	32 24				.22	NO	A,13	11, 14	
A 55	1		J1-27/I TB2-14	32 18				.22	NO	A,13	11, 14	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 15 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56	1		J1-27/0 TB2-17	32 22				.22	NO	A,13	12, 13, 15	
A 61	1		J1-15/I J3-K*	32 40				.22 .19	NO NO	A,13	11, 14	
A 62	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 62B	1		E4 SHLD A62	41				.25 .25	NO NO			
A 62W			TB2-11 J3-K*	18 40				 .19	 NO			
A 63	1		J1-15/0 J3-J*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 64	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 64B	1		E4 SHLD A64	41				.25 .25	NO NO			
A 64W			TB2-10 J3-J*	22 40				 .19	 NO			
A 66	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 66B	1		E4 SHLD A66	41				.25 .25	NO NO			
A 66L			TB2-7 J3-H*	18 40				 .19	 NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 16 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66R			TB2-4 J3-I*	18 40				 .19	 NO			
A 67	1		J4-CC XF3-2	45 55				.19 .25	NO YES			
A 68	1		XF3-1 T32-38	55 22				.25	YES			
A 69	1		J4-BB TB2-42	45 18				.19	NO			
A 70	1		J4-AA XF4-2	45 56				.19 .25	NO YES			
A 71	1		XF4-1 TB2-39	56 18				.25	YES			
A 72	1		J4-U XF1-2	45 54				.19 .25	NO YES			
A 73	1		XF1-1 TB2-37	54 24				.25	YES			
A 74	1		J4-T TB2-40	45 24				.19	NO			
A 75	1		J4-HH XF2-2	45 55				.19 .25	NO YES			
A 76	1		XF2-1 TB2-36	55 25				.25	YES			
A 77	1		J4-S TB2-9	45 24				.19	NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 17 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 78	1		TB2-18 P1-52	18 21				 .19	 NO		 10	
A 79	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 79A	1		SHLD A79 E8	 59				.25 .25	NO NO			
A 79L			J2-11/0 TB3-49	1 14				.22	NO	A,13	12, 13, 15	
A 79R			J2-11/I TB3-45	1 14				.22	NO	A,13	11, 14	
A 80	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 80A	1		SHLD A80 E8	 59				.25 .25	NO NO			
A 80L			J2-14/0 TB3-35	1 9				.22	NO	A,13	12, 13, 15	
A 80R			J2-14/I TB3-39	1 9				.22	NO	A,13	11, 14	
A 81	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 81A	1		SHLD A81 E8	 59				.25 .25	NO NO			
A 81L			J2-13/0 TB3-40	1 17				.22	NO	A,13	12, 13, 15	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 18 OF ~~61~~ 62

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81R			J2-13/I TB3-36	1 17				.22	NO	A,13	11, 14	
A 82	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 82A	1		SHLD A82 E8	 59				.25 .25	NO NO			
A 82L			J2-12/0 TB3-46	1 9				.22	NO	A,13	12, 13, 16	
A 82R			J2-12/I TB3-42	1 9				.22	NO	A,13	11, 14	
A 83	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 83A	1		SHLD A83 E8	 59				.25 .25	NO NO			
A 83W			J2-19 TB3-20	1 15				.19	NO		16	
A 84	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 84A	1		SHLD A84 E7	 57				.25 .25	NO NO			
A 84W			J2-18 TB3-21	1 14				.19	NO		16	
A 87	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 19 OF ~~61~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 87A	1		SHLD A87 E7	 57				.25 .25	NO NO			
A 87L			J2-15/0 TB3-28	1 9				.22	NO	A,13	12, 13, 15	
A 87R			J2-15/I TB3-32	1 9				.22	NO	A,13	11, 14	
A 88	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 88A	1		SHLD A88 E5	 35				.25 .25	NO NO			
A 88L			J1-55/0 TB3-48	32 15				.22	NO	A,13	12, 13, 15	
A 88R			J1-55/I TB3-44	32 15				.22	NO	A,13	11, 14	
A 89	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 89A	1		SHLD A89 E6	 36				.25 .25	NO NO			
A 89W			J1-3/0 TB3-41	32 15				.22	NO	A,13	12, 13, 15	
A 90	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 90A	1		SHLD A90 E6	 36				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 20 OF ~~61~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 90W			J1-3/I TB3-38	32 14				.22	NO	A,13	11, 14	
A 91	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 91A	1		SHLD A91 E5	 35				.25 .25	NO NO			
A 91L			J1-54/0 TB3-47	32 17				.22	NO	A,13	12, 13, 15	
A 91R			J1-54/I TB3-43	32 17				.22	NO	A,13	11, 14	
A 92	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 92A	1		SHLD A92 E6	 36				.25 .25	NO NO			
A 92W			J1-1/0 TB3-33	32 17				.22	NO	A,13	12, 13, 15	
A 93	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 93A	1		SHLD A93 E6	 36				.25 .25	NO NO			
A 93W			J1-1/I TB3-30	32 15				.22	NO	A,13	11, 14	
A 94	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 21 OF ~~61~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 94A	1		SHLD A94 E6	 36				.25 .25	NO NO			
A 94L			J1-2/0 TB3-34	32 15				.22	NO	A,13	12, 13, 15	
A 94R			J1-2/I TB3-37	32 15				.22	NO	A,13	11, 14	
A 95	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 95B	1		E12 SHLD A95	11				.25 .25	NO NO			
A 95L			TB3-49 P2-4	14 13				 .19	 NO		 10	
A 95R			TB3-45 P2-3	14 13				 .19	 NO		 10	
A 96	1		P2-14 J4-BB	13 45				.19 .19	NO NO			
A 97	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 97B	1		E12 SHLD A97	11				.25 .25	NO NO			
A 97L			TB3-35 P2-50	9 13				 .19	 NO		 28	
A 97R			TB3-39 P2-44	9 13				 .19	 NO		 10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0 G	SHEET 22 OF ~~61~~ 62

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 98B	1		E11 SHLD A98	10				.25 .25	NO NO			
A 98L			TB3-40 P2-53	17 13				.19	NO			
A 98R			TB3-36 P2-47	17 13				.19	NO		10	
A 99	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, [illegible]	
A 99B	1		E11 SHLD A99	10				.25 .25	NO NO			
A 99L			TB3-46 P2-29	9 13				.19	NO		28	
A 99R			TB3-42 P2-23	9 13				.19	NO		10	
A 100	2				8.00 2.25	7.75 2.00				A,7 [illegible]	4 4, 5, 6	
A 100B	1		E11 SHLD A100	10				.25 .25	NO NO			
A 100W			TB3-20 P2-9	15 13				.19	NO		10	
A 101	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LT'R 0G	SHEET 23 OF ~~61~~

MIL 2074 3-63 WIR

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[illegible]ING HARNESS A 2900573 G0

						SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
[illegible]								.25 .25	NO NO			
[illegible]								[illegible]	NO		10	
[illegible]					[illegible] 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
[illegible]			[illegible] SHLD A104	10				.25 [illegible]	NO [illegible]			
[illegible]			TB3-28 P2-16	9 13				.19	NO		28	
104R			TB3-32 P2-15	9 13				.19	NO		10	
[illegible]	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
105B	1		E14 SHLD A105	30				.25 .25	NO NO			
A [illegible]			TB3-48 K2-8	15 31				.25	YES			
A 105R			TB3-44 K2-4	15 31				.25	YES			
A 106	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 106B	1		E14 SHLD A106	30				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 24 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 106W			TB3-41 K2-5	15 31				.25	YES			
A 107	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 107B	1		E9 SHLD A107	19				.25 .25	NO NO			
A 107L			K2-6 P1-56	31 21				.25 .19	YES NO		10	
A 107R			K2-2 P1-50	31 21				.25 .19	YES NO		10	
A 108	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 108B	1		E14 SHLD A108	30				.25 .25	NO NO			
A 108L			TB3-47 K1-8	17 31				.25	YES			
A 108R			TB3-43 K1-4	17 31				.25	YES			
A 109	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 109B	1		E14 SHLD A109	30				.25 .25	NO NO			
A 109W			TB3-38 K1-5	14 31				.25	YES			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 25 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 110B	1		E9 SHLD A110	19				.25 .25	NO NO			
A 110L			K1-6 P1-59	31 21				.25 .19	YES NO		10	
A 110R			K1-2 P1-53	31 21				.25 .19	YES NO		10	
A 111	1		J4-T K2-7	45 31				.19 .19	NO NO			
A 112	1		XF1-1 SW3-2	54 44				.25 .25	YES YES			
A 113	1		SW3-3 K2-3	44 31				.25 .25	YES YES			
A 114	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 114B	1		E9 SHLD A114	19				.25 .25	NO NO			
A 114W			TB3-33 P1-35	17 21				.19	NO		10	
A 115	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 115B	1		E9 SHLD A115	19				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 26 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 115W			TB3-30 P1-17	15 21				.19	NO		10	
A 116	2				8.00 1.75	7.75 1.50				A,7 B,4	4 4, 5, 6	
A 116B	1		E9 SHLD A116	19				.25 .25	NO NO			
A 116W			TB3-37 P1-51	15 21				.19	NO		10	
A 117	1		P2-6 J4-X*	13 45				.19 .19	NO NO		10	
A 118	1		P2-5 J4-Y*	13 45				.19 .19	NO NO		10	
A 119	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 119A	1		SHLD A119 E13	12				.25 .25	NO NO			
A 119L			P2-26 J4-V*	13 45				.19 .19	NO NO		10	
A 119R			P2-20 J4-W*	13 45				.19 .19	NO NO		10	
A 120	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 120B	1		E4 SHLD A120	41				.25 .25	NO NO			

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G		SHEET 27 OF 61

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 120L			SW2-6 J4-F*	44 45				.25 .19	YES NO			
A 120R			SW2-2 J4-G*	44 45				.25 .19	YES NO			
A 121	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 121A	1		SHLD A121 E13	12				.25 .25	NO NO			
A 121L			P2-38 SW2-6	13 44				.19 .25	NO YES		10	
A 121R			P2-32 SW2-3	13 44				.19 .25	NO YES		10	
A 122	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 122A	1		SHLD A122 E13	12				.25 .25	NO NO			
A 122W			P2-24 SW2-1	13 44				.19 .25	NO YES		10	
A 123	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 123A	1		SHLD A123 E13	12				.25 .25	NO NO			
A 123W			P2-18 SW4-1	13 44				.19 .25	NO YES		10	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G		SHEET 28 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 124	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 124A	1		SHLD A124 E13	12				.25 .25	NO NO			
A 124L			P2-59 SW4-6	13 44				.19 .25	NO YES		10	
A 124R			P2-56 SW4-3	13 44				.19 .25	NO YES		10	
A 125	3				2.50 1.75	2.25 1.50				A,7 B,4	4 4, 7, 8	
A 125B	1		E4 SHLD A125	41				.25 .25	NO NO			
A 125L			SW4-6 J4-H*	44 45				.25 .19	YES NO			
A 125R			SW4-2 J4-I*	44 45				.25 .19	YES NO			
A 126	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 126A	1		SHLD A126 E13	12				.25 .25	NO NO			
A 126W			P2-12 SW5-1	13 44				.19 .25	NO YES		10	
A 127	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G		SHEET 29 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 127A	1		SHLD A127 E13	12				.25 .25	NO NO			
A 127L			P2-41 SW5-6	13 44				.19 .25	NO YES		10	
A 127R			P2-35 SW5-3	13 44				.19 .25	NO YES		10	
A 128	3				2.50 2.25	2.25 2.00				A,7 B,4	4 4, 7, 8	
A 128B	1		E4 SHLD A128	41				.25 .25	NO NO			
A 128L			SW5-6 J4-J*	44 45				.25 .19	YES NO			
A 128R			SW5-2 J4-K*	44 45				.25 .19	YES NO			
A 129	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 129A	1		SHLD A129 E13	12				.25 .25	NO NO			
A 129L			P2-17 J4-V	13 45				.19 .19	NO NO		10	
A 129R			P2-11 J4-W	13 45				.19 .19	NO NO		10	
A 130	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO. 99974	SIZE A	2900573	
SCALE-NONE	REV LTR 0G		SHEET 30 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 130A	1		SHLD A130 E12	 11				.25 .25	NO NO			
A 130L			P2-58 J4-X	13 45				.19 .19	NO NO		10	
A 130R			P2-57 J4-Y	13 45				.19 .19	NO NO		10	
A 131	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 131A	1		SHLD A131 E12	 11				.25 .25	NO NO			
A 131L			P2-46 J4-Z	13 45				.19 .19	NO NO		10	
A 131R			P2-45 J4-A*	13 45				.19 .19	NO NO		10	
A 132	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 132A	1		SHLD A132 E12	 11				.25 .25	NO NO			
A 132L			P2-34 J4-B*	13 45				.19 .19	NO NO		10	
A 132R			P2-33 J4-C*	13 45				.19 .19	NO NO		10	
A 133	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 31 OF ~~61~~ 62

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133A	1		SHLD A133 E12	 11				.25 .25	NO NO			
A 133L			P2-22 J4-D*	13 45				.19 .19	NO NO		10	
A 133R			P2-21 J4-E*	13 45				.19 .19	NO NO		10	
A 134	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 134A	1		SHLD A134 E10	 20				.25 .25	NO NO			
A 134L			P1-44 J4-DD	21 45				.19 .19	NO NO		10	
A 134R			P1-38 J4-EE	21 45				.19 .19	NO NO		10	
A 135	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 135A	1		SHLD A135 E10	 20				.25 .25	NO NO			
A 135L			P1-58 J4-FF	21 45				.19 .19	NO NO		10	
A 135R			P1-57 J4-GG	21 45				.19 .19	NO NO		10	
A 136	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 32 OF ~~61~~ 62

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 136A	1		SHLD A136 E10	 20				.25 .25	NO NO			
A 136L			P1-47 J4-LL	21 45				.19 .19	NO NO		10	
A 136R			P1-41 J4-MM	21 45				.19 .19	NO NO		10	
A 137	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 137A	1		SHLD A137 E10	 20				.25 .25	NO NO			
A 137L			P1-29 J4-NN	21 45				.19 .19	NO NO		10	
A 137R			P1-23 J4-PP	21 45				.19 .19	NO NO		10	
A 138	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 138A	1		SHLD A138 E10	 20				.25 .25	NO NO			
A 138L			P1-10 J4-JJ	21 45				.19 .19	NO NO		10	
A 138R			P1-9 J4-KK	21 45				.19 .19	NO NO		10	
A 139	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 33 OF ~~61~~ 62

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 139A	1		SHLD A139 E15	 39				.25 .25	NO NO			
A 139L			J3-NN TB4-49	40 6				.19	NO			
A 139R			J3-PP TB4-45	40 6				.19	NO			
A 140	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 140B	1		E17 SHLD A140	46 				.25 .25	NO NO			
A 140L			J3-NN TB7-4	40 50				.19	NO			
A 140R			J3-PP TB7-12	40 50				.19	NO			
A 141	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 141A	1		SHLD A141 E15	 39				.25 .25	NO NO			
A 141L			J3-LL TB4-48	40 7				.19	NO			
A 141R			J3-MM TB4-44	40 7				.19	NO			
A 142	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 34 OF ~~61~~ 62

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 142B	1		E17 SHLD A142	46				.25 .25	NO NO			
A 142L			J3-LL TB7-5	40 50				.19	NO			
A 142R			J3-MM TB7-13	40 50				.19	NO			
A 143	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 143A	1		SHLD A143 E15	 39				.25 .25	NO NO			
A 143L			J3-JJ TB4-47	40 8				.19	NO			
A 143R			J3-KK TB4-43	40 8				.19	NO			
A 144	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 144B	1		E17 SHLD A144	46				.25 .25	NO NO			
A 144L			J3-JJ TB7-6	40 50				.19	NO			
A 144R			J3-KK TB7-14	40 50				.19	NO			
A 145	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 35 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145A	1		SHLD A145 E15	 39				.25 .25	NO NO			
A 145L			J3-GG TB4-46	40 6				.19	NO			
A 145R			J3-HH TB4-42	40 6				.19	NO			
A 146	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 146B	1		E17 SHLD A146	46				.25 .25	NO NO			
A 146L			J3-GG TB6-16	40 49				.19	NO			
A 146R			J3-HH TB6-24	40 49				.19	NO			
A 147	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 147A	1		SHLD A147 E15	 39				.25 .25	NO NO			
A 147L			J3-EE TB4-41	40 7				.19	NO			
A 147R			J3-FF TB4-37	40 7				.19	NO			
A 148	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 36 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 148B	1		E17 SHLD A148	46				.25 .25	NO NO			
A 148L			J3-EE TB6-17	40 49				.19	NO			
A 148R			J3-FF TB6-25	40 49				.19	NO			
A 149	1		J3-DD TB4-36	40 8				.19	NO			
A 150	1		J3-DD TB7-15	40 50				.19	NO			
A 151	1		J3-CC TB4-40	40 8				.19	NO			
A 152	1		J3-CC TB7-7	40 50				.19	NO			
A 153	1		J3-BB TB4-35	40 6				.19	NO			
A 154	1		J3-BB TB7-23	40 50				.19	NO			
A 155	1		J3-AA TB4-39	40 5				.19	NO			
A 156	1		J3-AA TB7-8	40 50				.19	NO			
A 157	1		J3-Z* TB4-34	40 7				.19	NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 37 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 158	1		J3-Z* TB7-16	40 50				.19	NO			
A 159	1		J3-Y* TB4-38	40 6				.19	NO			
A 160	1		J3-Y* TB7-24	40 50				.19	NO			
A 161	1		J3-X* TB4-29	40 8				.19	NO			
A 162	1		J3-X* TB6-26	40 49				.19	NO			
A 163	1		J3-W* TB4-33	40 8				.19	NO			
A 164	1		J3-W* TB6-18	40 49				.19	NO			
A 165	1		J3-V* TB4-28	40 6				.19	NO			
A 166	1		J3-V* TB6-27	40 49				.19	NO			
A 167	1		J3-U* TB4-32	40 5				.19	NO			
A 168	1		J3-U* TB6-19	40 49				.19	NO			
A 169	1		TB7-4 E17	50 46				 .25	 NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE - NONE	REV LTR 0G	SHEET 38 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 170	1		TB7-5	50								
			E17	46				.25	NO			
A 171	1		TB7-6	50								
			E16	48				.25	NO			
A 172	1		TB7-7	50								
			E16	48				.25	NO			
A 173	1		TB7-8	50								
			E16	48				.25	NO			
A 174	1		TB7-24	50								
			E16	48				.25	NO			
A 175	1		TB6-16	49								
			E16	48				.25	NO			
A 176	1		TB6-17	49								
			E16	48				.25	NO			
A 177	1		TB6-18	49								
			E16	48				.25	NO			
A 178	1		TB6-19	49								
			E16	48				.25	NO			
A 179	1		E15	39				.25	NO			
			E17	46				.25	NO			
A 180	1		E16	48				.25	NO			
			E17	46				.25	NO			
A 181	1		J2-1	1				.19	NO	A,13	16	
			TB5-45	3								

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 39 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 182	1		J2-3	1				.19	NO		16	
			TB5-49	2								
A 183	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 183A	1		SHLD A183					.25	NO			
			E8	59				.25	NO			
A 183L			J2-6/0	1				.22	NO	A,13	12, 13, 15	
			TB5-40	5								
A 183R			J2-6/I	1				.22	NO	A,13	11, 14	
			TB5-31	5								
A 186	1		J2-4/I	1				.22	NO	A,13	11, 14	
			TB5-46	2								
A 187	1		J2-4/0	1				.22	NO	A,13	12, 13, 15	
			TB5-42	2								
A 188	1		J2-7/I	1				.22	NO	A,13	11, 14	
			TB5-28	2								
A 189	1		J2-7/0	1				.22	NO	A,13	12, 13, 15	
			TB5-36	5								
A 190	3				2.25	2.00				B,4	4, 7, 8	
					2.25	2.00				A,7	4	
A 190A	1		SHLD A190					.25	NO			
			E8	59				.25	NO			
A 190L			J2-8/0	1				.22	NO	A,13	12, 13, 15	
			J4-K	45				.19	NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 40 OF ~~61~~

MIL 2074 3-63 WIR

62

WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 190R			J2-8/I	1				.22	NO	A,13	11, 14	
			J4-J	45				.19	NO			
A 191	1		J2-20/I	1				.22	NO	A,13	11, 14	
			TB5-26	4								
A 192	1		J2-20/0	1				.22	NO	A,13	12, 13, 15	
			TB5-30	4								
A 193	1		J2-24/I	1				.22	NO	A,13	11, 14	
			TB1-22	29								
A 194	1		J2-24/0	1				.22	NO	A,13	12, 13, 15	
			TB5-39	2								
A 195	1		TB5-19	4								
			J3-P*	40				.19	NO			
A 197	1		TB5-22	5								
			J3-N*	40				.19	NO			
A 198	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 198A	1		SHLD A198					.25	NO			
			E18	58				.25	NO			
A 198W			J2-22/I	1				.22	NO	A,13	11, 14	
			TB6-20	49								
A 199	3				8.00	7.75				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 199A	1		SHLD A199					.25	NO			
			E19	47				.25	NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 41 OF ~~61~~

MIL 2074 3-63 WIR

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WIRING HARNESS A 2900573 G 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 199L			TB6-28	49								
			TB5-48	3								
A 199R			TB6-20	49								
			TB5-35	3								
A 200	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 200A	1		SHLD A200					.25	NO			
			E18	58				.25	NO			
A 200L			J2-23/0	1				.22	NO	A,13	12, 13, 15	
			TB6-29	49								
A 200R			J2-23/I	1				.22	NO	A,13	11, 14	
			TB6-21	49								
A 201	3				8.00	7.75				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 201A	1		SHLD A201					.25	NO			
			E19	47				.25	NO			
A 201L			TB6-30	49								
			TB5-33	4								
A 201R			TB6-21	49								
			TB5-37	4								
A 202	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 202A	1		SHLD A202					.25	NO			
			E18	58				.25	NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 42 OF ~~61~~

MIL 2074 3-63 WIR

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 202W			J2-22/0 TB6-22	1 49				.22	NO	A,13	12, 13, 15	
A 203	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 203A	1		SHLD A203 E19	 47				.25 .25	NO NO			
A 203W			TB6-22 TB5-29	49 5								
A 204	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 204A	1		SHLD A204 E18	 58				.25 .25	NO NO			
A 204L			J2-25/0 TB7-1	1 50				.22	NO	A,13	12, 13, 15	
A 204R			J2-25/I TB7-9	1 50				.22	NO	A,13	11, 14	
A 205	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 205A	1		SHLD A205 E19	 47				.25 .25	NO NO			
A 205L			TB7-1 TB5-23	50 4								
A 205R			TB7-9 TB5-20	50 4								

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 43 OF ~~61~~

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 206	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 206A	1		SHLD A206 E18	 58				.25 .25	NO NO			
A 206L			J2-2/0 TB7-2	1 50				.22	NO	A,13	12, 13, 15	
A 206R			J2-2/I TB7-10	1 50				.22	NO	A,13	11, 14	
A 207	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 207A	1		SHLD A207 E19	 47				.25 .25	NO NO			
A 207W			TB7-10 TB5-44	50 4								
A 208	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 208A	1		SHLD A208 J8	 23				.25 .25	NO YES			
A 208L			J8 P1-16	23 21				.25 .19	YES NO		 10	
A 208R			J7 P1-15	23 21				.25 .19	YES NO		 10	
A 209	1		XF2-1 P1-28	55 21				.25 .19	YES NO		 10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 44 OF ~~61~~

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 210	1		J6 P1-39	26 21				.25 .19	YES NO		 10	
A 211	3				2.25 1.75	2.00 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
A 211A	1		SHLD A211 J10	 16				.25 .25	NO YES			
A 211B	1		J4-S* SHLD A211	45				.19 .25	NO NO			
A 211L			J10 J4-T*	16 45				.25 .19	YES NO			
A 211R			J9 J4-U*	16 45				.25 .19	YES NO			
A 212	3				2.25 2.25	2.00 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 212A	1		SHLD A212 P1-27	 21				.25 .19	NO NO			
A 212B	1		J4-P* SHLD A212	45				.19 .25	NO NO			
A 212L			P1-22 J4-Q*	21 45				.19 .19	NO NO			
A 212R			P1-21 J4-R*	21 45				.19 .19	NO NO			
A 213	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 45 OF ~~61~~

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213A	1		SHLD A213 P1-40	 21				.25 .19	NO NO			
A 213L			P1-46 J4-M*	21 45				.19 .19	NO NO			
A 213R			P1-45 J4-N*	21 45				.19 .19	NO NO			
A 214	1		E20 E15	37 39				.25 .25	NO NO			
A 215	1		E18 E19	58 47				.25 .25	NO NO			
A 216	1		E5 E21	35 52				.25 .25	NO NO			
A 217	1		E6 E21	36 52				.25 .25	NO NO			
A 218	1		E3 E21	34 52				.25 .25	NO NO			
A 219	1		E2 E21	33 52				.25 .25	NO NO			
A 220	1		E4 E21	41 52				.25 .25	NO NO			
A 221	1		E14 E22	30 53				.25 .25	NO NO			
A 222	1		E7 E21	57 52				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 46 OF ~~61~~

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 223	1		E8	59				.25	NO			
			E21	52				.25	NO			
A 224	1		E9	19				.25	NO			
			E22	53				.25	NO			
A 225	1		E10	20				.25	NO			
			E22	53				.25	NO			
A 226	1		E11	10				.25	NO			
			E22	53				.25	NO			
A 227	1		E12	11				.25	NO			
			E22	53				.25	NO			
A 228	1		E13	12				.25	NO			
			E22	53				.25	NO			
A 229	1		TB6-29	49								
			TB6-30	49								
A 230	1		TB2-18	18								
			TB3-34	22								
A 231	1		P1-26	21				.19	NO			
			K1-1	31				.25	YES			
A 232	1		K1-1	31				.25	YES			
			K2-1	31				.25	YES			
A 233	1		K2-1	31				.25	YES			
			J3-G*	40				.19	NO			
A 234	1		K2-3	31				.25	YES			
			K1-3	31				.25	YES			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 47 OF ~~61~~

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 235	1		K2-7	31				.25	YES			
			K1-7	31				.25	YES			
A 236	1		E22	53				.25	NO			
			J3-D*	40				.19	NO			
A 237	1		E21	52				.25	NO			
			E22	53				.25	NO			
A 238	1		E23	38				.25	NO			
			J3-E*	40				.19	NO			
A 239	1		TB2-36	25								
			P2-30	13				.19	NO		10	
A 240	1		XF2-1	55				.25	YES			
			P1-20	21				.19	NO		10	
A 241	1		P2-36	13				.19	NO		10	
			E-22	53				.25	NO			
A 242	1		P1-14	21				.19	NO		10	
			E23	38				.25	NO			
A 243	1		J1-42	32				.19	NO		16	
			E20	37				.25	NO			
A 244	1		J1-41/I	32				.22	NO	A,13	11, 14	
			J3-X	40				.19	NO			
A 245	1		J1-41/0	32				.22	NO	A,13	12, 13, 15	
			J3-Y	40				.19	NO			
A 246	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				A,7	4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 48 OF ~~61~~

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 246A	1		SHLD A246					.25	NO			
			E25	42				.25	NO			
A 246L			J1-40/0	32				.22	NO	A,13	12, 13, 15	
			TB1-15	29								
A 246R			J1-40/I	32				.22	NO	A,13	11, 14	
			TB1-12	29								
A 247	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 247A	1		SHLD A247					.25	NO			
			E25	42				.25	NO			
A 247L			J1-39/0	32				.22	NO	A,13	12, 13, 15	
			TB1-17	27								
A 247R			J1-39/I	32				.22	NO	A,13	11, 14	
			TB1-13	27								
A 248	1		P1-11	21				.19	NO		10	
			E20	37				.25	NO			
A 249	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 249A	1		SHLD A249					.25	NO			
			E6	36				.25	NO			
A 249L			J1-23/0	32				.22	NO	A,13	12, 13, 15	
			TB1-47	29								
A 249R			J1-23/I	32				.22	NO	A,13	11, 14	
			TB1-43	29								

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 49 OF ~~61~~

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WIRING HARNESS A 2900573 G0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 250	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 250A	1		SHLD A250					.25	NO			
			E25	42				.25	NO			
A 250L			J1-43/0	32				.22	NO	A,13	12, 13, 15	
			TB1-9	28								
A 250R			J1-43/I	32				.22	NO	A,13	11, 14	
			TB1-6	28								
A 251	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 251A	1		SHLD A251					.25	NO			
			E3	34				.25	NO			
A 251L			J1-25/0	32				.22	NO	A,13	12, 13, 15	
			TB2-15	25								
A 251R			J1-25/I	32				.22	NO	A,13	11, 14	
			TB2-12	25								
A 252	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 252A	1		SHLD A252					.25	NO			
			E3	34				.25	NO			
A 252L			J1-26/0	32				.22	NO	A,13	12, 13, 15	
			TB2-16	24								
A 252R			J1-26/I	32				.22	NO	A,13	11, 14	
			TB2-13	24								

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 0G	SHEET 50 OF ~~61~~

62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 253A	1		SHLD A253 E18	 58				.25 .25	NO NO			
A 253W			J2-27 TB7-11	1 50				.19	NO		16	
A 254	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 254A	1		SHLD A254 E19	 47				.25 .25	NO NO			
A 254L			TB7-3 TB5-33	50 3								
A 254R			TB7-11 TB5-24	50 3								
A 255	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 255A	1		SHLD A255 E8	 59				.25 .25	NO NO			
A 255L			J2-28/0 J4-P	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 255R			J2-28/I J4-R	1 45				.22 .19	NO NO	A,13	11, 14	
A 256	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 51 OF ~~64~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 256A	1		SHLD A256 E4	 41				.25 .25	NO NO			
A 256L			J4-P TB5-47	45 5				.19	NO			
A 256R			J4-R TB5-43	45 5				.19	NO			
A 257	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	
A 257A	1		SHLD A257 E8	 59				.25 .25	NO NO			
A 257L			J2-29/0 J4-M	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 257R			J2-29/I J4-N	1 45				.22 .19	NO NO	A,13	11, 14	
A 258	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 258A	1		SHLD A258 E4	 41				.25 .25	NO NO			
A 258L			J4-M TB5-25	45 2				.19	NO			
A 258R			J4-N TB5-21	45 2				.19	NO			
A 259	1		P2-8 XF3-1	13 55				.19 .25	NO YES		10	

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 52 OF ~~64~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 260	1		TB6-23 TB7-25	49 50								
A 261	1		TB7-17 TB7-18	50 50								
A 262	1		TB7-17 SW6-4	50 43				 .25	 YES			
A 263	1		TB7-25 SW6-1	50 43				 .25	 YES			
A 264	1		SW6-2 TB5-27	43 3				.25	YES			
A 265	1		SW6-5 TB5-18	43 2				.25	YES			
A 266	1		TB7-26 TB2-7	50 18								
A 267	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 267A	1		SHLD A267 E23	 58				.25 .25	NO NO			
A 267L			J1-14/0 TB1-49	32 27				.22	NO	A,13	12, 13, 15	
A 267R			J1-14/I TB1-45	32 27				.22	NO	A,13	11, 14	
A 268	1		E18 E23	58 38				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 53 OF ~~64~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1		J2-21 E8	1 59				.19 .25	NO NO		16	
A 270	1		J1-4/I TB5-19	32 4				.22	NO	A,13	11, 14	
A 271	1		J1-4/0 TB5-22	32 5				.22	NO	A,13	12, 13, 15	
A 272	1		J1-13 E23	32 38				.19 .25	NO NO		16	
A 273	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 273A	1		SHLD A273 E7	 57				.25 .25	NO NO			
A 273W			J2-16/I TB3-31	1 14				.22	NO	A,13	11, 14	
A 274	2				1.75 1.75	1.50 1.50				B,4 A,7	4, 5, 6 4	
A 274A	1		SHLD A274 E7	 57				.25 .25	NO NO			
A 274W			J2-16/0 J3-H	1 40				.22 .19	NO NO	A,13	12, 13, 15	
A 275	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 275A	1		SHLD A275 E12	 11				.25 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900573
SCALE-NONE	REV LTR 06	SHEET 54 OF ~~64~~ 62

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 275W			P2-27 TB3-31	13 14				.19	NO		10	
A 276	1		P2-29 P2-28	13 13				.19 .19	NO NO		 28	
A 277	1		P2-28 J3-J	13 40				.19 .19	NO NO			
A 278	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 278A	1		SHLD A278 E4	 41				.25 .25	NO NO			
A 278W			J3-H TB3-27	40 15				.19	NO			
A 279	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 279A	1		SHLD A279 E7	 57				.25 .25	NO NO			
A 279W			J2-17/I TB3-29	1 17				.22	NO	A,13	11, 14	
A 280	2				1.75 1.75	1.50 1.00				B,4 A,7	4, 5, 6 4	
A 280A	1		SHLD A280 E7	 57				.25 .25	NO NO			
A 280W			J2-17/0 J3-K	1 40				.22 .19	NO NO	A,13	12, 13, 15	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ~~0~~G | SHEET 55 OF ~~61~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 281A	1		SHLD A281 E11	 10				.25 .25	NO NO			
A 281W			P2-39 TB3-29	13 17				.19	NO		10	
A 282	1		P2-53 P2-40	13 13				.19 .19	NO NO		 28	
A 283	1		P2-40 J3-M	13 40				.19 .19	NO NO			
A 284	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 284A	1		SHLD A284 E4	 41				.25 .25	NO NO			
A 284W			J3-K TB3-26	40 17				.19	NO			
A 285	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 285A	1		SHLD A285 E24	 60				.25 .25	NO NO			
A 285W			J2-5/I TB5-32	1 2				.22	NO	A,13	11, 14	
A 286	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ~~0~~G | SHEET 56 OF ~~61~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 286A	1		SHLD A286 E24	 60				.25 .25	NO NO			
A 286W			J2-5/0 TB5-41	1 3				.22	NO	A,13	12, 13, 15	
A 287	1		J4-J TB5-38	45 3				.19	NO			
A 288	1		J4-K TB5-34	45 3				.19	NO			
A 289	3				2.25 5.00	2.00 4.75				B,4 A,7	4, 7, 8 4	
A 289A	1		SHLD A289 E24	 60				.25 .25	NO NO			
A 289L			J2-54/0 SW1-2B	1 51				.22 .25	NO YES	A,13	12, 13, 15	
A 289R			J2-54/I SW1-2A	1 51				.22 .25	NO YES	A,13	11, 14	
A 290	3				1.75 5.00	1.50 4.75				B,4 A,7	4, 7, 8 4	
A 290A	1		SHLD A290 E24	 60				.25 .25	NO NO			
A 290L			J2-55/0 SW1-4A	1 51				.22 .25	NO YES	A,13	12, 13, 15	
A 290R			J2-55/I SW1-3A	1 51				.22 .25	NO YES	A,13	11, 14	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ~~0~~G | SHEET 57 OF ~~61~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 291	1		SW1-2B SW1-4B	51 51				.25 .25	YES YES			
A 292	1		SW1-3B SW1-4A	51 51				.25 .25	YES YES			
A 293	1		TB7-2 TB6-28	50 49								
A 294	1		J2-31/I TB5-16	1 4				.22	NO	A,13	11, 14	
A 295	1		J2-31/0 TB5-17	1 3				.22	NO	A,13	12, 13, 15	
A 296	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 296A	1		SHLD A296 E24	 60				.25 .25	NO NO			
A 296L			J2-32/0 TB4-27	1 7				.22	NO	A,13	12, 13, 15	
A 296R			J2-32/I TB4-26	1 7				.22	NO	A,13	11, 14	
A 297	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 297A	1		SHLD A297 E24	 60				.25 .25	NO NO			
A 297L			J2-33/0 TB4-25	1 5				.22	NO	A,13	12, 13, 15	

CODE IDENT NO. 99974 | SIZE A | 2900573
SCALE-NONE | REV LTR ~~0~~G | SHEET 58 OF ~~61~~

WIRING HARNESS A 2900573 G~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297R			J2-33/I TB4-24	1 5				.22	NO	A,13	11, 14	
A 298	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 298A	1		SHLD A298 E24	 60				.25 .25	NO NO			
A 298L			J2-34/0 TB4-31	1 7				.22	NO	A,13	12, 13, 15	
A 298R			J2-34/I TB4-30	1 7				.22	NO	A,13	11, 14	
A 299	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 299A	1		SHLD A299 E24	 60				.25 .25	NO NO			
A 299L			J2-35/0 TB4-23	1 8				.22	NO	A,13	12, 13, 15	
A 299R			J2-35/I TB4-22	1 8				.22	NO	A,13	11, 14	
A 300	1		J2-30 E18	1 58				.19 .25	NO NO		16	
A 301	1		E24 E21	60 52				.25 .25	NO NO			
A 302	1		J1-45/I TB5-14	32 2				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR ~~F~~G
SHEET 59 OF ~~61~~ 62

MIL 2074 3-63 WIR

WIRING HARNESS A 2900573 G~~F~~ ~~D~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 303	1		J1-45/0 TB5-15	32 5				.22	NO	A,13	12, 13, 15	
A 304	1		J1-46/I TB5-12	32 4				.22	NO	A,13	11, 14	
A 305	1		J1-46/0 TB5-13	32 3				.22	NO	A,13	12, 13, 15	
A 306	1		J1-44 E6	32 36				.19 .25	NO NO		16	
A 307	1		P1-32 E25	21 42				.19 .25	NO NO		10	
A 308	1		P2-16 P2-52	13 13				.19 .19	NO NO		 10	
A 309	1		P2-10 P2-50	13 13				.19 .19	NO NO		10	
A 310	1		J1-16/0 J3-H*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 311	1		J1-16/I J3-I*	32 40				.22 .19	NO NO	A,13	11, 14	
A 312	1		TB5-18 TB5-10	2 3								
A 313	1		TB5-27 TB5-11	3 2								
A 314	1		J1-47/I TB6-6	32 49				.22	NO	A,13	11, 14	

CODE IDENT NO. 99974
SIZE A
2900573
SCALE-NONE
REV LTR ~~D~~ ~~E~~ ~~F~~ G
SHEET 60 OF ~~61~~ 62

MIL 2074 3-63 WIR

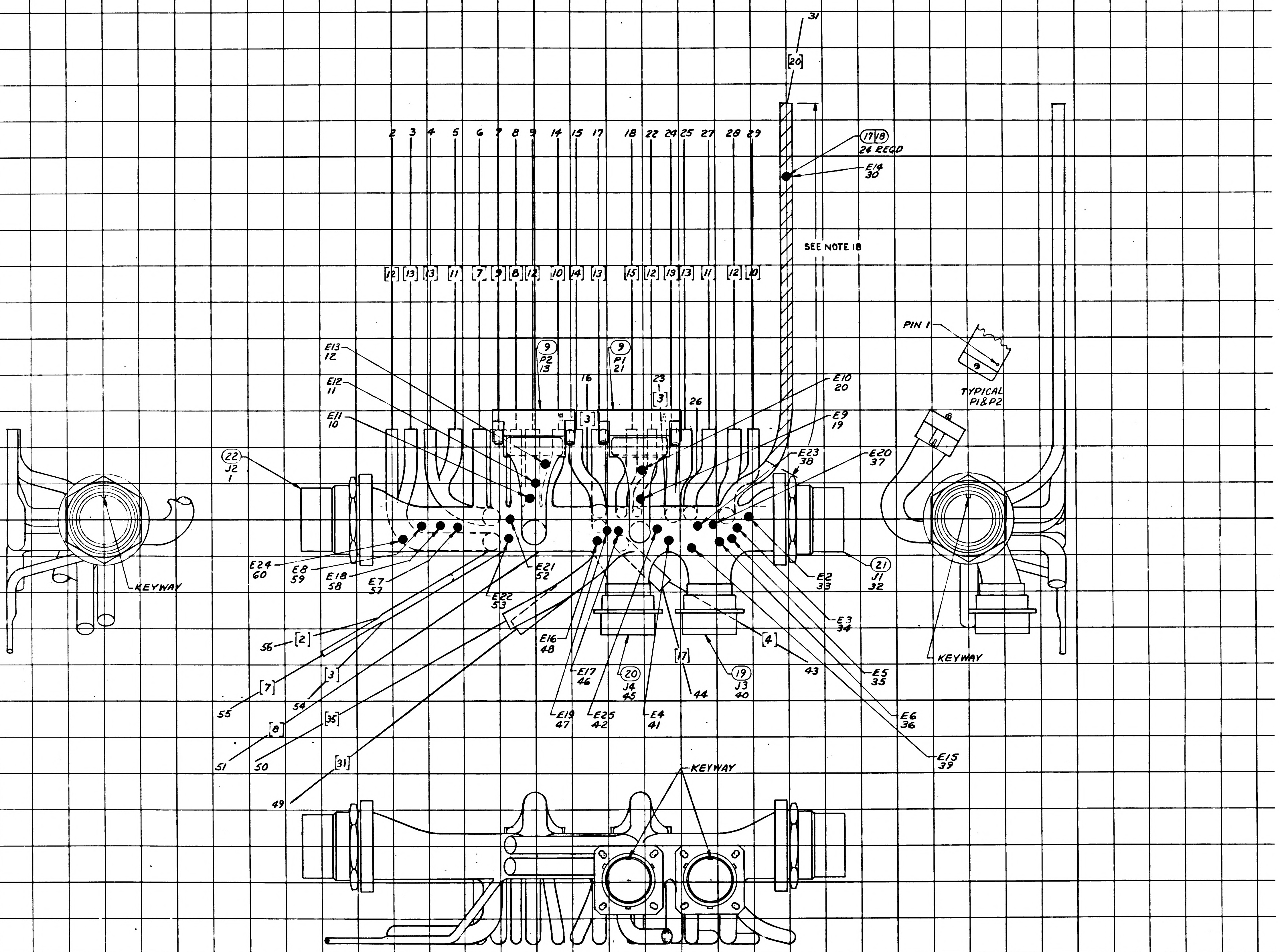
WIRING HARNESS A 2900573 G~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 315	1		TB6-14 TB2-44	49 24								
A 316	1		J1-47/0 TB2-48	32 22				.22	NO	A,13	12, 13, 15	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900573
SCALE-NONE
REV LTR ~~F~~G
SHEET 61 OF 62

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		SEE SHEET 1 FOR REV. STATUS		

CHG NO



31
[20]
2 3 4 5 6 7 8 9 14 15 17 18 22 24 25 27 28 29
(17)(18) 24 REQD
E14 30
SEE NOTE 18
[12] [13] [13] [11] [7] [9] [8] [12] [10] [14] [13] [15] [12] [13] [13] [11] [12] [10]
(9) P2 13
(9) P1 21
16
23 [3]
[3]
26
E13 12
E12 11
E11 10
E10 20
E9 19
E23 38
E20 37
PIN 1
TYPICAL P1&P2
(22) J2 1
(21) J1 32
E24 60
E8 59
E18 58
E7 57
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E22 53
E2 33
E3 34
E5 35
E6 36
E15 39
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[8] 51
[35] 50
[31] 49
E16 48
E17 46
E19 47
E25 42
(20) J4 45
E4 41
[17] 44
(19) J3 40
[4] 43
KEYWAY
KEYWAY
KEYWAY

2900037-011	2900037-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 12 JUL 65 DATE
CHECKED 22 JUL 65
APPROVAL R. 22 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900573
SCALE 1/1
SHEET 62 OF 62

APPLICATION	
NEXT ASSY	USED ON
2900037-011	2900037-011

REVISIONS 23421

SYM	DESCRIPTION	DATE	APPROVAL
D	REPLACES REVISION C WITH CHANGE PER MXC205526	9 OCT 65	A.N. MEM
E	REVISED PER MXC205992	19 OCT 65	RTP
F	REVISED PER MXC20621B	14 OCT 65	B. W.D.
G	INITIAL RELEASE CLASS A PER TDRR 23421	20 OCT 65	WEB CW
H	REVISED PER TDRR 23800	10 NOV 65	PHG EF
J	REVISED PER TDRR 24147	26 NOV 65	LK W.D.

REV STATUS OF SHEETS

SHEET	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
REV	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J

SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
REV	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN 12 JUL 65 DATE
CHECKED 22 JUL 65
APPROVAL 22 JUL 65
APPROVAL 10/21/65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900573	J
SCALE —		SHEET 1 OF 63	

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
50	J														
51	J														
52	J														
53	J														
54	J														
55	J														
56	J														
57	J														
58	J														
59	J														
60	J														
61	J														
62	J														
63	J														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION J

NASA DRAWING NO. 2900573
SHEET 2 OF 6

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND 1002032 B - ND 1002206
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 26.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 26
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
10	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
11	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 23 AND 24.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	LENGTHS SPECIFIED ARE BEFORE ACCESSORIES ARE ATTACHED.

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 3 OF 63

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	APPLY LEAD IDENTIFICATION TO SLEEVES OF MULTI-LEADS PER ND1002019 USING .12 HIGH CHARACTERS.
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - BLUE, WHITE WITH BLUE TRACER R - RED, WHITE WITH RED TRACER. W - WHITE
16	CIRCUIT POINT DESIGNATIONS WITH /I OR /O SUFFIX SIGNIFY THE INNER OR OUTER CONTACT IN A CONCENTRIC ARRANGEMENT.
17	ASSEMBLE PER ND1002032.
18	TAPE HARNESS USING ITEM 29

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE			
	STRIP		CUT	
	WIRE	JACKET	WIRE	SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 4 OF 63

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900573-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHITE, 287 FT 6 IN. TOTAL LENGTH
	2	1	2900573-002	WIRE, ND1002181, TYPE 1, CLASS 4, 24AWG, WHITE WITH WHITE JACKET, 77 FT TOTAL LENGTH
	3	1	2900573-003	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG WHITE/RED,WHITE/BLUE WITH WHITE JACKET, 110 FT TOTAL LENGTH
7	4	267	1010490-198	INSULATION SLEEVING HEAT SHRINK
7	5	47	1000243-003	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	6	47	1000242-002	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	7	91	1000243-006	FERRULE,ELECTRICAL CONDUCTOR (INNER)
7	8	91	1000242-005	FERRULE,ELECTRICAL CONDUCTOR (OUTER)
7	9	2	1015818-660	CONNECTOR-PLUG
7	10	116	1015818-424	SOCKET CONTACT
7	11	79	1016369-388	CONTACT INNER FEMALE
7	12	79	1016369-288	CONTACT OUTER MALE
7	13	79	1016369-588	HYRING
7	14	79	1016369-712	INNER SUPPORTING SLEEVE
7	15	79	1016369-713	OUTER SUPPORTING SLEEVE
7	16	8	1016369-420	CONTACT MALE

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 5 OF 63

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	17	19	1016006-002	SPLICE REDUCER
7	18	19	1010490-258	INSULATION SLEEVING HEAT SHRINK
	19	1	MS3127E-24-61S	(1897056-610) CONNECTOR RECEPTACLE ELECT.
	20	1	MS3127E-24-61SW	(1897056-611) CONNECTOR RECEPTACLE ELECT.
7	21	1	1897214-011	CONNECTOR, RECEPTACLE
7	22	1	1897214-012	CONNECTOR, RECEPTACLE
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, WAXED, (ES2732 NO.18)
7	27	1	1016128-041	BAND, IDENTIFICATION, BLANK
7	28	8	1015818-420	SOCKET CONTACT
18	29	AR	MIL-I-15126	TAPE, TYPE ACT(ES2716 TYPE C)

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 6 OF 63

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 3	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 3A	1		SHLD A3 E2	 33				.25 .25	NO NO			
A 3L			J1-24/O TB1-48	32 28				.22	NO	A,13	12, 13, 15	
A 3R			J1-24/I TB1-44	32 28				.22	NO	A,13	11, 14	
A 8	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 8A	1		SHLD A8 E2	 33				.25 .25	NO NO			
A 8L			J1-22/I TB1-42	32 27				.22	NO	A,13	11, 14	
A 8R			J1-22/O TB1-46	32 27				.22	NO	A,13	12, 13, 15	
A 9	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 9A	1		SHLD A9 E5	 35				.25 .25	NO NO			
A 9L			J1-21/I TB1-40	32 28				.22	NO	A,13	11, 14	
A 9R			J1-21/O TB1-41	32 28				.22	NO	A,13	12, 13, 15	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 7 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 10A	1		SHLD A10 E5	 35				.25 .25	NO NO			
A 10L			J1-20/I TB1-38	32 25				.22	NO	A,13	11, 14	
A 10R			J1-20/O TB1-39	32 25				.22	NO	A,13	12, 13, 15	
A 11	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 11A	1		SHLD A11 E5	 35				.25 .25	NO NO			
A 11L			J1-19/I TB1-36	32 29				.22	NO	A,13	11, 14	
A 11R			J1-19/O TB1-37	32 29				.22	NO	A,13	12, 13, 15	
A 12	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 12A	1		SHLD A12 E5	 35				.25 .25	NO NO			
A 12L			J1-18/I TB1-34	32 27				.22	NO	A,13	11, 14	
A 12R			J1-18/O TB1-35	32 27				.22	NO	A,13	12, 13, 15	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 8 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 13A	1		SHLD A13 E5	 35				.25 .25	NO NO			
A 13L			J1-17/I TB1-32	32 25				.22	NO	A,13	11, 14	
A 13R			J1-17/O TB1-33	32 25				.22	NO	A,13	12, 13, 15	
A 14	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 14A	1		SHLD A14 E5	 35				.25 .25	NO NO			
A 14W			J1-31/O TB1-31	32 27				.22	NO	A,13	12, 13, 15	
A 15	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 15A	1		SHLD A15 E5	 35				.25 .25	NO NO			
A 15W			J1-31/I TB1-27	32 28				.22	NO	A,13	11, 14	
A 17	1		J1-32/I TB1-26	32 29				.22	NO	A,13	11, 14	
A 19	1		J1-32/O TB1-30	32 28				.22	NO	A,13	12, 13, 15	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 9 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1		J1-33/I TB6-7	32 49				.22	NO	A,13	11, 14	
A 22	1		TB6-15 TB1-29	49 29								
A 23	1		J1-33/O TB6-8	32 49				.22	NO	A,13	12, 13, 15	
A 24	1		TB6-23 TB1-22	49 29								
A 25	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 25A	1		SHLD A25 E20	 37				.25 .25	NO NO			
A 25L			J1-34/O TB1-28	32 27				.22	NO	A,13	12, 13, 15	
A 25R			J1-34/I TB1-24	32 27				.22	NO	A,13	11, 14	
A 26	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 26A	1		SHLD A26 E20	 37				.25 .25	NO NO			
A 26L			J1-35/O TB1-25	32 25				.22	NO	A,13	12, 13, 15	
A 26R			J1-35/I TB1-21	32 25				.22	NO	A,13	11, 14	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 10 OF 63

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 27A	1		SHLD A27 E20	 37				.25 .25	NO NO			
A 27L			J1-36/O TB1-23	32 28				.22	NO	A,13	12, 13, 15	
A 27R			J1-36/I TB1-19	32 28				.22	NO	A,13	11, 14	
A 28	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 28A	1		SHLD A28 E20	 37				.25 .25	NO NO			
A 28L			J1-37/O TB1-20	32 28				.22	NO	A,13	12, 13, 15	
A 28R			J1-37/I TB1-16	32 28				.22	NO	A,13	11, 14	
A 29	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 29A	1		SHLD A29 E20	 37				.25 .25	NO NO			
A 29L			J1-38/O TB1-18	32 25				.22	NO	A,13	12, 13, 15	
A 29R			J1-38/I TB1-14	32 25				.22	NO	A,13	11, 14	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 11 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	1		J1-6/I TB2-45	32 22				.22	NO	A,13	11, 14	
A 31	1		J1-5/O TB2-49	32 18				.22	NO	A,13	12, 13, 15	
A 32	1		J1-5/I TB2-46	32 18				.22	NO	A,13	11, 14	
A 33	1		J1-6/O J3-W	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 34	1		J1-7/I J3-T*	32 40				.22 .19	NO NO	A,13	11, 14	
A 35	1		TB2-28 J3-T*	18 40				 .19	 NO			
A 36	1		J1-7/O J3-S*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 37	1		TB2-25 J3-S*	18 40				 .19	 NO			
A 38	1		J1-8/O J3-R*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 39	1		TB2-26 J3-R*	24 40				 .19	 NO			
A 40	1		J1-8/I J3-Q*	32 40				.22 .19	NO NO	A,13	11, 14	
A 41	1		TB2-27 J3-Q*	22 40				 .19	 NO			

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 12 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42	1		J1-9/O J3-M*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 43	1		TB2-43 J3-M*	25 40				 .19	 NO			
A 44	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 44A	1		SHLD A44 E3	 34				.25 .25	NO NO			
A 44W			J1-9/I TB2-47	32 24				.22	NO	A,13	11, 14	
A 45	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 45A	1		SHLD A45 E3	 34				.25 .25	NO NO			
A 45W			J1-10/I TB2-41	32 22				.22	NO	A,13	11, 14	
A 46	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 46A	1		SHLD A46 E3	 34				.25 .25	NO NO			
A 46W			J1-10/O TB2-35	32 18				.22	NO	A,13	12, 13, 15	
A 47	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 13 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47A	1		SHLD A47 E3	 34				.25 .25	NO NO			
A 47W			J1-11/I TB2-34	32 22				.22	NO	A,13	11, 14	
A 48	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 48A	1		SHLD A48 E3	 34				.25 .25	NO NO			
A 48W			J1-11/O TB2-33	32 24				.22	NO	A,13	12, 13, 15	
A 49	2				1.75 8.00	1.50 7.75				B,4 A,7	4, 5, 6 4	
A 49A	1		SHLD A49 E23	 38				.25 .25	NO NO			
A 49W			J1-12/I TB2-32	32 18				.22	NO	A,13	11, 14	
A 50	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 50A	1		SHLD A50 E23	 38				.25 .25	NO NO			
A 50W			J1-12/O TB2-31	32 22				.22	NO	A,13	12, 13, 15	
A 52	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 14 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 52A	1		SHLD A52 E2	 33				.25 .25	NO NO			
A 52L			J1-30/O TB2-24	32 22				.22	NO	A,13	12, 13, 15	
A 52R			J1-30/I TB2-21	32 22				.22	NO	A,13	11, 14	
A 53	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 53A	1		SHLD A53 E2	 33				.25 .25	NO NO			
A 53L			J1-29/O TB2-23	32 24				.22	NO	A,13	12, 13, 15	
A 53R			J1-29/I TB2-20	32 24				.22	NO	A,13	11, 14	
A 54	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 54A	1		SHLD A54 E2	 33				.25 .25	NO NO			
A 54L			J1-28/O TB2-22	32 24				.22	NO	A,13	12, 13, 15	
A 54R			J1-28/I TB2-19	32 24				.22	NO	A,13	11, 14	
A 55	1		J1-27/I TB2-14	32 18				.22	NO	A,13	11, 14	

SIZE A
CODE IDENT NO. 99974
2900573
SCALE-NONE
REV LTR J
SHEET 15 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56	1		J1-27/O TB2-17	32 22				.22	NO	A,13	12, 13, 15	
A 61	1		J1-15/I J3-K*	32 40				.22 .19	NO NO	A,13	11, 14	
A 62	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 62B	1		E4 SHLD A62	41				.25 .25	NO NO			
A 62W			TB2-11 J3-K*	18 40				 .19	 NO			
A 63	1		J1-15/O J3-J*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 64	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 64B	1		E4 SHLD A64	41				.25 .25	NO NO			
A 64W			TB2-10 J3-J*	22 40				 .19	 NO			
A 66	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 66B	1		E4 SHLD A66	41				.25 .25	NO NO			
A 66L			TB2-7 J3-H*	18 40				 .19	 NO			

SIZE A
CODE IDENT NO. 99974
2900573
SCALE-NONE
REV LTR J
SHEET 16 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66R			TB2-4 J3-I*	18 40				 .19	 NO			
A 67	1		J4-CC XF3-2	45 55				.19 .25	NO YES			
A 68	1		XF3-1 TB2-38	55 22				.25	YES			
A 69	1		J4-BB TB2-42	45 18				.19	NO			
A 70	1		J4-AA XF4-2	45 56				.19 .25	NO YES			
A 71	1		XF4-1 TB2-39	56 18				.25	YES			
A 72	1		J4-U XF1-2	45 54				.19 .25	NO YES			
A 73	1		XF1-1 TB2-37	54 24				.25	YES			
A 74	1		J4-T TB2-40	45 24				.19	NO			
A 75	1		J4-HH XF2-2	45 55				.19 .25	NO YES			
A 76	1		XF2-1 TB2-36	55 25				.25	YES			
A 77	1		J4-S TB2-9	45 24				.19	NO			

SIZE A
CODE IDENT NO. 99974
2900573
SCALE-NONE
REV LTR J
SHEET 17 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 78	1		TB2-18 P1-52	18 21				 .19	 NO		 10	
A 79	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 79A	1		SHLD A79 E8	 59				.25 .25	NO NO			
A 79L			J2-11/O TB3-49	1 14				.22	NO	A,13	12, 13, 15	
A 79R			J2-11/I TB3-45	1 14				.22	NO	A,13	11, 14	
A 80	3				2.25 8.00	2.00 7.75				B,4 B,4	4, 7, 8 4, 7, 8	
A 80A	1		SHLD A80 J2-36/I	 1				.25 .22	NO NO	 A,13	 11, 14	
A 80B	1		SHLD A97 SHLD A80					.25 .25	NO NO			
A 80L			J2-14/O TB3-35	1 9				.22	NO	A,13	12, 13, 15	
A 80R			J2-14/I TB3-39	1 9				.22	NO	A,13	11, 14	
A 81	3				1.75 8.00	1.50 7.75				B,4 B,4	4, 7, 8 4, 7, 8	
A 81A	1		SHLD A81 J2-26/O	 1				.25 .22	NO NO	 A,13	 12, 13, 15	

SIZE A
CODE IDENT NO. 99974
2900573
SCALE-NONE
REV LTR J
SHEET 18 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81B	1		SHLD A98					.25	NO			
			SHLD A81					.25	NO			
A 81L			J2-13/O	1				.22	NO	A,13	12, 13, 15	
			TB3-40	17								
A 81R			J2-13/I	1				.22	NO	A,13	11, 14	
			TB3-36	17								
A 82	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				B,4	4, 7, 8	
A 82A	1		SHLD A82					.25	NO			
			J2-26/I	1				.22	NO	A,13	11, 14	
A 82B	1		SHLD A99					.25	NO			
			SHLD A82					.25	NO			
A 82L			J2-12/O	1				.22	NO	A,13	12, 13, 16	
			TB3-46	9								
A 82R			J2-12/I	1				.22	NO	A,13	11, 14	
			TB3-42	9								
A 83	2				1.75	1.50				B,4	4, 5, 6	
					8.00	7.75				B,4	4, 5, 6	
A 83A	1		SHLD A83					.25	NO			
			J2-10/O	1				.22	NO	A,13	12, 13, 16	
A 83B	1		SHLD A83					.25	NO			
			SHLD A100					.25	NO			
A 83W			J2-19/I	1				.22	NO	A,13	11, 14	
			TB3-20	15								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 84	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				B,4	4, 5, 6	
A 84A	1		SHLD A84					.25	NO			
			J2-10/I	1				.22	NO	A,13	11, 14	
A 84B	1		SHLD A84					.25	NO			
			SHLD A101					.25	NO			
A 84W			J2-18/I	1				.22	NO	A,13	11, 14	
			TB3-21	14								
A 87	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				B,4	4, 7, 8	
A 87A	1		SHLD A87					.25	NO			
			J2-36/O	1				.22	NO	A,13	12, 13, 15	
A 87B	1		SHLD A104					.25	NO			
			SHLD A87					.25	NO			
A 87L			J2-15/O	1				.22	NO	A,13	12, 13, 15	
			TB3-28	9								
A 87R			J2-15/I	1				.22	NO	A,13	11, 14	
			TB3-32	9								
A 88	3				2.25	2.00				A,7		
					8.00	7.75				A,7	4	
A 88A			DELETED									
A 88L			J1-55/O	32				.22	NO	A,13	12, 13, 15	
			TB3-48	15								

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88R			J1-55/I	32				.22	NO	A,13	11, 14	
			TB3-44	15								
A 89	2				1.75	1.50				A,7	4	
					8.00	7.75				A,7	4	
A 89A			DELETED									
A 89W			J1-3/O	32				.22	NO	A,13	12, 13, 15	
			TB3-41	15								
A 90	2				2.25	2.00				A,7	4	
					8.00	7.75				A,7	4	
A 90A			DELETED									
A 90W			J1-3/I	32				.22	NO	A,13	11, 14	
			TB3-38	14								
A 91	3				1.75	1.50				A,7		
					8.00	7.75				A,7	4	
A 91A			DELETED									
A 91L			J1-54/O	32				.22	NO	A,13	12, 13, 15	
			TB3-47	17								
A 91R			J1-54/I	32				.22	NO	A,13	11, 14	
			TB3-43	17								
A 92	2				1.75	1.50				A,7	4	
					8.00	7.75				A,7	4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 92A			DELETED									
A 92W			J1-1/O	32				.22	NO	A,13	12, 13, 15	
			TB3-33	17								
A 93	2				2.25	2.00				A,7	4	
					8.00	7.75				A,7	4	
A 93A			DELETED									
A 93W			J1-1/I	32				.22	NO	A,13	11, 14	
			TB3-30	15								
A 94	3				1.75	1.50				A,7		
					8.00	7.75				A,7	4	
A 94A			DELETED									
A 94L			J1-2/O	32				.22	NO	A,13	12, 13, 15	
			TB3-34	15								
A 94R			J1-2/I	32				.22	NO	A,13	11, 14	
			TB3-37	15								
A 95	3				8.00	7.75				A,7	4	
					2.25	2.00				B,4	4, 7, 8	
A 95B	1		E12	11				.25	NO			
			SHLD A95					.25	NO			
A 95L			TB3-49	14								
			P2-4	13				.19	NO		10	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95R			TB3-45 P2-3	14 13				 .19	 NO		 10	
A 96	1		P2-14 J4-BB	13 45				.19 .19	NO NO			
A 97	3				8.00 2.25	7.75 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 97B	1		P2-43 SHLD A97	13				.19 .25	NO NO		10	
A 97L			TB3-35 P2-50	9 13				 .19	 NO		 28	
A 97R			TB3-39 P2-44	9 13				 .19	 NO		 10	
A 98	3				8.00 2.25	7.75 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 98B	1		P2-48 SHLD A98	13				.19 .25	NO NO		10	
A 98L			TB3-40 P2-53	17 13				 .19	 NO		 28	
A 98R			TB3-36 P2-47	17 13				 .19	 NO		 10	
A 99	3				8.00 2.25	7.75 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 99B	1		P2-42 SHLD A99	13				.19 .25	NO NO		10	

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SCALE-NONE
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 99L			TB3-46 P2-29	9 13				 .19	 NO		 28	
A 99R			TB3-42 P2-23	9 13				 .19	 NO		 10	
A 100	2				8.00 2.25	7.75 2.00				B,4 B,4	4, 5, 6 4, 5, 6	
A 100B	1		P2-7 SHLD A100	13				.19 .25	NO NO		10	
A 100W			TB3-20 P2-9	15 13				 .19	 NO		 10	
A 101	2				8.00 2.25	7.75 2.00				B,4 B,4	4, 5, 6 4, 5, 6	
A 101B	1		P2-49 SHLD A101	13				.19 .25	NO NO		10	
A 101W			TB3-21 P2-51	14 13				 .19	 NO		 10	
A 104	3				8.00 2.25	7.75 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 104B	1		P2-13 SHLD A104	13				.19 .25	NO NO		10	
A 104L			TB3-28 P2-16	9 13				 .19	 NO		 28	
A 104R			TB3-32 P2-15	9 13				 .19	 NO		 10	

SIZE A
CODE IDENT NO. 99974
2900573
SCALE-NONE
REV LTR J
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	
A 105B			DELETED									
A 105L			TB3-48 K2-8	15 31				 .25	 YES			
A 105R			TB3-44 K2-4	15 31				 .25	 YES			
A 106	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 106B			DELETED									
A 106W			TB3-41 K2-5	15 31				 .25	 YES			
A 107	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 107B	1		P1-55 SHLD A107	21				.19 .25	NO NO		10	
A 107L			K2-6 P1-56	31 21				.25 .19	YES NO		 10	
A 107R			K2-2 P1-50	31 21				.25 .19	YES NO		 10	
A 108	3				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 7, 8	

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CODE IDENT NO. 99974
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SCALE-NONE
REV LTR J
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 108B			DELETED									
A 108L			TB3-47 K1-8	17 31				 .25	 YES			
A 108R			TB3-43 K1-4	17 31				 .25	 YES			
A 109	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 109B			DELETED									
A 109W			TB3-38 K1-5	14 31				 .25	 YES			
A 110	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 110B	1		P1-48 SHLD A110	21				.19 .25	NO NO		10	
A 110L			K1-6 P1-59	31 21				.25 .19	YES NO		 10	
A 110R			K1-2 P1-53	31 21				.25 .19	YES NO		 10	
A 111	1		J4-T K2-7	45 31				.19 .19	NO NO			
A 112	1		XF1-1 SW3-2	54 44				.25 .25	YES YES			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1		SW3-3 K2-3	44 31				.25 .25	YES YES			
A 114	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 114B	1		P1-36 SHLD A114	21				.19 .25	NO NO		10	
A 114W			TB3-33 P1-35	17 21				 .19	 NO		 10	
A 115	2				8.00 2.25	7.75 2.00				A,7 B,4	4 4, 5, 6	
A 115B	1		P1-18 SHLD A115	21				.19 .25	NO NO		10	
A 115W			TB3-30 P1-17	15 21				 .19	 NO		 10	
A 116	2				8.00 1.75	7.75 1.50				A,7 B,4	4 4, 5, 6	
A 116B	1		P1-54 SHLD A116	21				.19 .25	NO NO		10	
A 116W			TB3-37 P1-51	15 21				 .19	 NO		 10	
A 117	1		P2-6 J4-X*	13 45				.19 .19	NO NO		10	
A 118	1		P2-5 J4-Y*	13 45				.19 .19	NO NO		10	

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A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 27 OF 63

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 119	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 119A	1		SHLD A119 E13	 12				.25 .25	NO NO			
A 119L			P2-26 J4-V*	13 45				.19 .19	NO NO		10	
A 119R			P2-20 J4-W*	13 45				.19 .19	NO NO		10	
A 120	3				2.25 2.25	2.00 2.00				A,7 B,4	4 4, 7, 8	
A 120B	1		E4 SHLD A120	41				.25 .25	NO NO			
A 120L			SW2-6 J4-F*	44 45				.25 .19	YES NO			
A 120R			SW2-2 J4-G*	44 45				.25 .19	YES NO			
A 121	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 121A	1		SHLD A121 E13	 12				.25 .25	NO NO			
A 121L			P2-38 SW2-6	13 44				.19 .25	NO YES		10	
A 121R			P2-32 SW2-3	13 44				.19 .25	NO YES		10	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 28 OF 63

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 122	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 122A	1		SHLD A122 E13	 12				.25 .25	NO NO			
A 122W			P2-24 SW2-1	13 44				.19 .25	NO YES		10	
A 123	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 123A	1		SHLD A123 E13	 12				.25 .25	NO NO			
A 123W			P2-18 SW4-1	13 44				.19 .25	NO YES		10	
A 124	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 124A	1		SHLD A124 E13	 12				.25 .25	NO NO			
A 124L			P2-59 SW4-6	13 44				.19 .25	NO YES		10	
A 124R			P2-56 SW4-3	13 44				.19 .25	NO YES		10	
A 125	3				2.50 1.75	2.25 1.50				A,7 B,4	4 4, 7, 8	
A 125B	1		E4 SHLD A125	41				.25 .25	NO NO			

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A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 29 OF 63

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 125L			SW4-6 J4-H*	44 45				.25 .19	YES NO			
A 125R			SW4-2 J4-I*	44 45				.25 .19	YES NO			
A 126	2				2.25 2.25	2.00 2.00				B,4 A,7	4, 5, 6 4	
A 126A	1		SHLD A126 E13	 12				.25 .25	NO NO			
A 126W			P2-12 SW5-1	13 44				.19 .25	NO YES		10	
A 127	3				2.25 2.50	2.00 2.25				B,4 A,7	4, 7, 8 4	
A 127A	1		SHLD A127 E13	 12				.25 .25	NO NO			
A 127L			P2-41 SW5-6	13 44				.19 .25	NO YES		10	
A 127R			P2-35 SW5-3	13 44				.19 .25	NO YES		10	
A 128	3				2.50 2.25	2.25 2.00				A,7 B,4	4 4, 7, 8	
A 128B	1		E4 SHLD A128	41				.25 .25	NO NO			
A 128L			SW5-6 J4-J*	44 45				.25 .19	YES NO			

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A	99974	2900573
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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 128R			SW5-2 J4-K*	44 45				.25 .19	YES NO			
A 129	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 129A	1		SHLD A129 E13	 12				.25 .25	NO NO			
A 129L			P2-17 J4-V	13 45				.19 .19	NO NO		10	
A 129R			P2-11 J4-W	13 45				.19 .19	NO NO		10	
A 130	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 130A	1		SHLD A130 E12	 11				.25 .25	NO NO			
A 130L			P2-58 J4-X	13 45				.19 .19	NO NO		10	
A 130R			P2-57 J4-Y	13 45				.19 .19	NO NO		10	
A 131	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 131A	1		SHLD A131 E12	 11				.25 .25	NO NO			
A 131L			P2-46 J4-Z	13 45				.19 .19	NO NO		10	

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 131R			P2-45 J4-A*	13 45				.19 .19	NO NO		10	
A 132	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 132A	1		SHLD A132 E12	 11				.25 .25	NO NO			
A 132L			P2-34 J4-B*	13 45				.19 .19	NO NO		10	
A 132R			P2-33 J4-C*	13 45				.19 .19	NO NO		10	
A 133	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	
A 133A	1		SHLD A133 E12	 11				.25 .25	NO NO			
A 133L			P2-22 J4-D*	13 45				.19 .19	NO NO		10	
A 133R			P2-21 J4-E*	13 45				.19 .19	NO NO		10	
A 134	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 134A	1		SHLD A134 E10	 20				.25 .25	NO NO			
A 134L			P1-44 J4-DD	21 45				.19 .19	NO NO		10	

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 134R			P1-38 J4-EE	21 45				.19 .19	NO NO		10	
A 135	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 135A	1		SHLD A135 E10	 20				.25 .25	NO NO			
A 135L			P1-58 J4-FF	21 45				.19 .19	NO NO		10	
A 135R			P1-57 J4-GG	21 45				.19 .19	NO NO		10	
A 136	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 136A	1		SHLD A136 E10	 20				.25 .25	NO NO			
A 136L			P1-47 J4-LL	21 45				.19 .19	NO NO		10	
A 136R			P1-41 J4-MM	21 45				.19 .19	NO NO		10	
A 137	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 137A	1		SHLD A137 E10	 20				.25 .25	NO NO			
A 137L			P1-29 J4-NN	21 45				.19 .19	NO NO		10	

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 137R			P1-23 J4-PP	21 45				.19 .19	NO NO		10	
A 138	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 138A	1		SHLD A138 E10	 20				.25 .25	NO NO			
A 138L			P1-10 J4-JJ	21 45				.19 .19	NO NO		10	
A 138R			P1-9 J4-KK	21 45				.19 .19	NO NO		10	
A 139	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 139A	1		SHLD A139 E15	 39				.25 .25	NO NO			
A 139L			J3-NN TB4-49	40 6				.19	NO			
A 139R			J3-PP TB4-45	40 6				.19	NO			
A 140	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 140B	1		E17 SHLD A140	46				.25 .25	NO NO			
A 140L			J3-NN TB7-4	40 50				.19	NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 140R			J3-PP TB7-12	40 50				.19	NO			
A 141	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 141A	1		SHLD A141 E15	 39				.25 .25	NO NO			
A 141L			J3-LL TB4-48	40 7				.19	NO			
A 141R			J3-MM TB4-44	40 7				.19	NO			
A 142	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 142B	1		E17 SHLD A142	46				.25 .25	NO NO			
A 142L			J3-LL TB7-5	40 50				.19	NO			
A 142R			J3-MM TB7-13	40 50				.19	NO			
A 143	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 143A	1		SHLD A143 E15	 39				.25 .25	NO NO			
A 143L			J3-JJ TB4-47	40 8				.19	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 143R			J3-KK TB4-43	40 8				.19	NO			
A 144	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 144B	1		E17 SHLD A144	46				.25 .25	NO NO			
A 144L			J3-JJ TB7-6	40 50				.19	NO			
A 144R			J3-KK TB7-14	40 50				.19	NO			
A 145	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 145A	1		SHLD A145 E15	 39				.25 .25	NO NO			
A 145L			J3-GG TB4-46	40 6				.19	NO			
A 145R			J3-HH TB4-42	40 6				.19	NO			
A 146	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 146B	1		E17 SHLD A146	46				.25 .25	NO NO			
A 146L			J3-GG TB6-16	40 49				.19	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 146R			J3-HH TB6-24	40 49				.19	NO			
A 147	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 147A	1		SHLD A147 E15	 39				.25 .25	NO NO			
A 147L			J3-EE TB4-41	40 7				.19	NO			
A 147R			J3-FF TB4-37	40 7				.19	NO			
A 148	3				2.25 8.00	2.00 7.75				A,7 B,4	4 4, 7, 8	
A 148B	1		E17 SHLD A148	46				.25 .25	NO NO			
A 148L			J3-EE TB6-17	40 49				.19	NO			
A 148R			J3-FF TB6-25	40 49				.19	NO			
A 149	1		J3-DD TB4-36	40 8				.19	NO			
A 150	1		J3-DD TB7-15	40 50				.19	NO			
A 151	1		J3-CC TB4-40	40 8				.19	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 152	1		J3-CC TB7-7	40 50				.19	NO			
A 153	1		J3-BB TB4-35	40 6				.19	NO			
A 154	1		J3-BB TB7-23	40 50				.19	NO			
A 155	1		J3-AA TB4-39	40 5				.19	NO			
A 156	1		J3-AA TB7-8	40 50				.19	NO			
A 157	1		J3-Z* TB4-34	40 7				.19	NO			
A 158	1		J3-Z* TB7-16	40 50				.19	NO			
A 159	1		J3-Y* TB4-38	40 6				.19	NO			
A 160	1		J3-Y* TB7-24	40 50				.19	NO			
A 161	1		J3-X* TB4-29	40 8				.19	NO			
A 162	1		J3-X* TB6-26	40 49				.19	NO			
A 163	1		J3-W* TB4-33	40 8				.19	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 164	1		J3-W*	40				.19	NO			
			TB6-18	49								
A 165	1		J3-V*	40				.19	NO			
			TB4-28	6								
A 166	1		J3-V*	40				.19	NO			
			TB6-27	49								
A 167	1		J3-U*	40				.19	NO			
			TB4-32	5								
A 168	1		J3-U*	40				.19	NO			
			TB6-19	49								
A 169	1		TB7-4	50								
			E17	46				.25	NO			
A 170	1		TB7-5	50								
			E17	46				.25	NO			
A 171	1		TB7-6	50								
			E16	48				.25	NO			
A 172	1		TB7-7	50								
			E16	48				.25	NO			
A 173	1		TB7-8	50								
			E16	48				.25	NO			
A 174	1		TB7-24	50								
			E16	48				.25	NO			
A 175	1		TB6-16	49								
			E16	48				.25	NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	1		TB6-17	49								
			E16	48				.25	NO			
A 177	1		TB6-18	49								
			E16	48				.25	NO			
A 178	1		TB6-19	49								
			E16	48				.25	NO			
A 179	1		E15	39				.25	NO			
			E17	46				.25	NO			
A 180	1		E16	48				.25	NO			
			E17	46				.25	NO			
A 181	1		J2-1	1				.19	NO	A,13	16	
			TB5-45	3								
A 182	1		J2-3	1				.19	NO		16	
			TB5-49	2								
A 183	3				2.25	2.00				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 183A	1		SHLD A183					.25	NO			
			E8	59				.25	NO			
A 183L			J2-6/0	1				.22	NO	A,13	12, 13, 15	
			TB5-40	5								
A 183R			J2-6/I	1				.22	NO	A,13	11, 14	
			TB5-31	5								
A 186	1		J2-4/I	1				.22	NO	A,13	11, 14	
			TB5-46	2								

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SCALE-NONE
REV LTR J
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 187	1		J2-4/0	1				.22	NO	A,13	12, 13, 15	
			TB5-42	2								
A 188	1		J2-7/I	1				.22	NO	A,13	11, 14	
			TB5-28	2								
A 189	1		J2-7/0	1				.22	NO	A,13	12, 13, 15	
			TB5-36	5								
A 190	3				2.25	2.00				B,4	4, 7, 8	
					2.25	2.00				A,7	4	
A 190A	1		SHLD A190					.25	NO			
			E8	59				.25	NO			
A 190L			J2-8/0	1				.22	NO	A,13	12, 13, 15	
			J4-K	45				.19	NO			
A 190R			J2-8/I	1				.22	NO	A,13	11, 14	
			J4-J	45				.19	NO			
A 191	1		J2-20/I	1				.22	NO	A,13	11, 14	
			TB5-26	4								
A 192	1		J2-20/0	1				.22	NO	A,13	12, 13, 15	
			TB5-30	4								
A 193	1		J2-24/I	1				.22	NO	A,13	11, 14	
			TB1-22	29								
A 194	1		J2-24/0	1				.22	NO	A,13	12, 13, 15	
			TB5-39	2								
A 195	1		TB5-19	4								
			J3-P*	40				.19	NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	1		TB5-22	5								
			J3-N*	40				.19	NO			
A 198	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 198A	1		SHLD A198					.25	NO			
			E18	58				.25	NO			
A 198W			J2-22/I	1				.22	NO	A,13	11, 14	
			TB6-20	49								
A 199	3				8.00	7.75				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 199A	1		SHLD A199					.25	NO			
			E19	47				.25	NO			
A 199L			TB6-28	49								
			TB5-48	3								
A 199R			TB6-20	49								
			TB5-35	3								
A 200	3				1.75	1.50				B,4	4, 7, 8	
					8.00	7.75				A,7	4	
A 200A	1		SHLD A200					.25	NO			
			E18	58				.25	NO			
A 200L			J2-23/0	1				.22	NO	A,13	12, 13, 15	
			TB6-29	49								
A 200R			J2-23/I	1				.22	NO	A,13	11, 14	
			TB6-21	49								

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 201A	1		SHLD A201 E19	 47				.25 .25	NO NO			
A 201L			TB6-30 TB5-33	49 4								
A 201R			TB6-21 TB5-37	49 4								
A 202	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 202A	1		SHLD A202 E18	 58				.25 .25	NO NO			
A 202W			J2-22/0 TB6-22	1 49				.22	NO	A,13	12, 13, 15	
A 203	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 203A	1		SHLD A203 E19	 47				.25 .25	NO NO			
A 203W			TB6-22 TB5-29	49 5								
A 204	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 204A	1		SHLD A204 E18	 58				.25 .25	NO NO			

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A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 43 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 204L			J2-25/0 TB7-1	1 50				.22	NO	A,13	12, 13, 15	
A 204R			J2-25/I TB7-9	1 50				.22	NO	A,13	11, 14	
A 205	3				8.00 8.00	7.75 7.75				B,4 A,7	4, 7, 8 4	
A 205A	1		SHLD A205 E19	 47				.25 .25	NO NO			
A 205L			TB7-1 TB5-23	50 4								
A 205R			TB7-9 TB5-20	50 4								
A 206	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 206A	1		SHLD A206 E18	 58				.25 .25	NO NO			
A 206L			J2-2/0 TB7-2	1 50				.22	NO	A,13	12, 13, 15	
A 206R			J2-2/I TB7-10	1 50				.22	NO	A,13	11, 14	
A 207	2				8.00 8.00	7.75 7.75				B,4 A,7	4, 5, 6 4	
A 207A	1		SHLD A207 E19	 47				.25 .25	NO NO			

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A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 44 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 207W			TB7-10 TB5-44	50 4								
A 208	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 208A			DELETED									
A 208B	1		P1-13 SHLD A208	21				.19 .25	NO NO		10	
A 208L			J8 P1-16	23 21				.25 .19	YES NO		 10	
A 208R			J7 P1-15	23 21				.25 .19	YES NO		 10	
A 209	1		XF2-1 P1-28	55 21				.25 .19	YES NO		 10	
A 210	1		J6 P1-39	26 21				.25 .19	YES NO		 10	
A 211	3				2.25 1.75	2.00 1.50				B,4 B,4	4, 7, 8 4, 7, 8	
A 211A	1		SHLD A211 J10	 16				.25 .25	NO YES			
A 211B	1		J4-S* SHLD A211	45				.19 .25	NO NO			
A 211L			J10 J4-T*	16 45				.25 .19	YES NO			

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A	99974	2900573
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 211R			J9 J4-U*	16 45				.25 .19	YES NO			
A 212	3				2.25 2.25	2.00 2.00				B,4 B,4	4, 7, 8 4, 7, 8	
A 212A	1		SHLD A212 P1-27	 21				.25 .19	NO NO			
A 212B	1		J4-P* SHLD A212	45				.19 .25	NO NO			
A 212L			P1-22 J4-Q*	21 45				.19 .19	NO NO			
A 212R			P1-21 J4-R*	21 45				.19 .19	NO NO			
A 213	3				2.25 1.75	2.00 1.50				B,4 A,7	4, 7, 8 4	
A 213A	1		SHLD A213 P1-40	 21				.25 .19	NO NO			
A 213L			P1-46 J4-M*	21 45				.19 .19	NO NO			
A 213R			P1-45 J4-N*	21 45				.19 .19	NO NO			
A 214	1		E20 E15	37 39				.25 .25	NO NO			
A 215	1		E18 E19	58 47				.25 .25	NO NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 216	1		E5 E21	35 52				.25 .25	NO NO			
A 217			DELETED									
A 218	1		E3 E21	34 52				.25 .25	NO NO			
A 219	1		E2 E21	33 52				.25 .25	NO NO			
A 220	1		E4 E21	41 52				.25 .25	NO NO			
A 221			DELETED									
A 222			DELETED									
A 223	1		E8 E21	59 52				.25 .25	NO NO			
A 224			DELETED									
A 225	1		E10 E22	20 53				.25 .25	NO NO			
A 226			DELETED									
A 227	1		E12 E22	11 53				.25 .25	NO NO			

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 228	1		E13 E22	12 53				.25 .25	NO NO			
A 229	1		TB6-29 TB6-30	49 49								
A 230	1		TB2-18 TB3-34	18 22								
A 231	1		P1-26 K1-1	21 31				.19 .25	NO YES			
A 232	1		K1-1 K2-1	31 31				.25 .25	YES YES			
A 233	1		K2-1 J3-G*	31 40				.25 .19	YES NO			
A 234	1		K2-3 K1-3	31 31				.25 .25	YES YES			
A 235	1		K2-7 K1-7	31 31				.25 .25	YES YES			
A 236	1		E22 J3-D*	53 40				.25 .19	NO NO			
A 237	1		E21 E22	52 53				.25 .25	NO NO			
A 238	1		E23 J3-E*	38 40				.25 .19	NO NO			
A 239	1		TB2-36 P2-30	25 13				 .19	 NO		 10	

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 240	1		XF2-1 P1-20	55 21				.25 .19	YES NO		 10	
A 241	1		P2-36 E-22	13 53				.19 .25	NO NO		10	
A 242			DELETED									
A 243	1		J1-42 E20	32 37				.19 .25	NO NO		16	
A 244	1		J1-41/I J3-X	32 40				.22 .19	NO NO	A,13	11, 14	
A 245	1		J1-41/O J3-Y	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 246	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 246A	1		SHLD A246 E25	 42				.25 .25	NO NO			
A 246L			J1-40/O TB1-15	32 29				.22	NO	A,13	12, 13, 15	
A 246R			J1-40/I TB1-12	32 29				.22	NO	A,13	11, 14	
A 247	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 247A	1		SHLD A247 E25	 42				.25 .25	NO NO			

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SCALE-NONE
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 247L			J1-39/O TB1-17	32 27				.22	NO	A,13	12, 13, 15	
A 247R			J1-39/I TB1-13	32 27				.22	NO	A,13	11, 14	
A 248	1		P1-11 E20	21 37				.19 .25	NO NO		10	
A 249	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 249A	1		SHLD A249 E2	 33				.25 .25	NO NO			
A 249L			J1-23/O TB1-47	32 29				.22	NO	A,13	12, 13, 15	
A 249R			J1-23/I TB1-43	32 29				.22	NO	A,13	11, 14	
A 250	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 250A	1		SHLD A250 E25	 42				.25 .25	NO NO			
A 250L			J1-43/O TB1-9	32 28				.22	NO	A,13	12, 13, 15	
A 250R			J1-43/I TB1-6	32 28				.22	NO	A,13	11, 14	
A 251	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 251A	1		SHLD A251 E3	 34				.25 .25	NO NO			
A 251L			J1-25/O TB2-15	32 25				.22	NO	A,13	12, 13, 15	
A 251R			J1-25/I TB2-12	32 25				.22	NO	A,13	11, 14	
A 252	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 252A	1		SHLD A252 E3	 34				.25 .25	NO NO			
A 252L			J1-26/O TB2-16	32 24				.22	NO	A,13	12, 13, 15	
A 252R			J1-26/I TB2-13	32 24				.22	NO	A,13	11, 14	
A 253	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 253A	1		SHLD A253 E18	 58				.25 .25	NO NO			
A 253W			J2-27/I TB7-11	1 50				.22	NO	A,13	11, 14	
A 254			DELETED									
A 254A			DELETED									

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 254L			DELETED									
A 254R			DELETED									
A 255	3				2.25 2.25	2.00 2.00				B,4 A,7	4, 7, 8 4	
A 255A	1		SHLD A255 E8	 59				.25 .25	NO NO			
A 255L			J2-28/O J4-P	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 255R			J2-28/I J4-R	1 45				.22 .19	NO NO	A,13	11, 14	
A 256	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 256A	1		SHLD A256 E4	 41				.25 .25	NO NO			
A 256L			J4-P TB5-47	45 5				.19	NO			
A 256R			J4-R TB5-43	45 5				.19	NO			
A 257	3				1.75 2.25	1.50 2.00				B,4 A,7	4, 7, 8 4	
A 257A	1		SHLD A257 E8	 59				.25 .25	NO NO			

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WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257L			J2-29/O J4-M	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 257R			J2-29/I J4-N	1 45				.22 .19	NO NO	A,13	11, 14	
A 258	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 258A	1		SHLD A258 E4	 41				.25 .25	NO NO			
A 258L			J4-M TB5-25	45 2				.19	NO			
A 258R			J4-N TB5-21	45 2				.19	NO			
A 259	1		P2-8 XF3-1	13 55				.19 .25	NO YES		10	
A 260	1		TB6-23 TB7-25	49 50								
A 261	1		TB7-17 TB7-18	50 50								
A 262	1		TB7-17 SW6-4	50 43				 .25	 YES			
A 263	1		TB7-25 SW6-1	50 43				 .25	 YES			
A 264	1		SW6-2 TB5-27	43 3				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 53 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1		SW6-5 TB5-18	43 2				.25	YES			
A 266	1		TB7-26 TB2-7	50 18								
A 267	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 267A	1		SHLD A267 E23	 58				.25 .25	NO NO			
A 267L			J1-14/O TB1-49	32 27				.22	NO	A,13	12, 13, 15	
A 267R			J1-14/I TB1-45	32 27				.22	NO	A,13	11, 14	
A 268	1		E18 E23	58 38				.25 .25	NO NO			
A 269	1		J2-21 E8	1 59				.19 .25	NO NO		16	
A 270	1		J1-4/I TB5-19	32 4				.22	NO	A,13	11, 14	
A 271	1		J1-4/O TB5-22	32 5				.22	NO	A,13	12, 13, 15	
A 272	1		J1-13 E23	32 38				.19 .25	NO NO		16	
A 273	2				2.25 8.00	2.00 7.75				B,4 B,4	4, 5, 6 4, 5, 6	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 54 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273A	1		SHLD A273					.25	NO			
			J2-9/I	1				.22	NO	A,13	11, 14	
A 273B			SHLD A273					.25	NO			
			SHLD A275					.25	NO			
A 273W			J2-16/I	1				.22	NO	A,13	11, 14	
			TB3-31	14								
A 274	2				1.75	1.50				B,4	4, 5, 6	
					1.75	1.50				A,7	4	
A 274A	1		SHLD A274					.25	NO			
			E8	59				.25	NO			
A 274W			J2-16/0	1				.22	NO	A,13	12, 13, 15	
			J3-H	40				.19	NO			
A 275	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				B,4	4, 5, 6	
A 275A	1		SHLD A275					.25	NO			
			P2-25	13				.19	NO		10	
A 275W			P2-27	13				.19	NO		10	
			TB3-31	14								
A 276	1		P2-29	13				.19	NO			
			P2-28	13				.19	NO		28	
A 277	1		P2-28	13				.19	NO			
			J3-J	40				.19	NO			
A 278	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				A,7	4	

SIZE A	CODE IDENT NO. 99974	2900573
SCALE-NONE	REV LTR J	SHEET 55 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 278A	1		SHLD A278					.25	NO			
			E4	41				.25	NO			
A 278W			J3-H	40				.19	NO			
			TB3-27	15								
A 279	2				2.25	2.00				B,4	4; 5, 6	
					8.00	7.75				B,4	4, 5, 6	
A 279A	1		SHLD A279					.25	NO			
			J2-9/0	1				.22	NO	A,13	12, 13, 15	
A 279B	1		SHLD A279					.25	NO			
			SHLD A281					.25	NO			
A 279W			J2-17/I	1				.22	NO	A,13	11, 14	
			TB3-29	17								
A 280	2				1.75	1.50				B,4	4, 5, 6	
					1.75	1.00				A,7	4	
A 280A	1		SHLD A280					.25	NO			
			E8	59				.25	NO			
A 280W			J2-17/0	1				.22	NO	A,13	12, 13, 15	
			J3-K	40				.19	NO			
A 281	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				B,4	4, 5, 6	
A 281A	1		SHLD A281					.25	NO			
			P2-37	13				.19	NO		10	
A 281W			P2-39	13				.19	NO		10	
			TB3-29	17								

SIZE A	CODE IDENT NO. 99974	2900573
SCALE-NONE	REV LTR J	SHEET 56 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 282	1		P2-53	13				.19	NO			
			P2-40	13				.19	NO		28	
A 283	1		P2-40	13				.19	NO			
			J3-M	40				.19	NO			
A 284	2				1.75	1.50				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 284A	1		SHLD A284					.25	NO			
			E4	41				.25	NO			
A 284W			J3-K	40				.19	NO			
			TB3-26	17								
A 285	2				2.25	2.00				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 285A	1		SHLD A285					.25	NO			
			E24	60				.25	NO			
A 285W			J2-5/I	1				.22	NO	A,13	11, 14	
			TB5-32	2								
A 286	2				1.75	1.50				B,4	4, 5, 6	
					8.00	7.75				A,7	4	
A 286A	1		SHLD A286					.25	NO			
			E24	60				.25	NO			
A 286W			J2-5/0	1				.22	NO	A,13	12, 13, 15	
			TB5-41	3								
A 287	1		J4-J	45				.19	NO			
			TB5-38	3								

SIZE A	CODE IDENT NO. 99974	2900573
SCALE-NONE	REV LTR J	SHEET 57 OF 63

MIL 2084 9-65

WIRING HARNESS A 2900573 J

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 288	1		J4-K	45				.19	NO			
			TB5-34	3								
A 289	3				2.25	2.00				B,4	4, 7, 8	
					5.00	4.75				A,7	4	
A 289A	1		SHLD A289					.25	NO			
			E24	60				.25	NO			
A 289L			J2-54/0	1				.22	NO	A,13	12, 13, 15	
			SW1-2B	51				.25	YES			
A 289R			J2-54/I	1				.22	NO	A,13	11, 14	
			SW1-2A	51				.25	YES			
A 290	3				1.75	1.50				B,4	4, 7, 8	
					5.00	4.75				A,7	4	
A 290A	1		SHLD A290					.25	NO			
			E24	60				.25	NO			
A 290L			J2-55/0	1				.22	NO	A,13	12, 13, 15	
			SW1-4A	51				.25	YES			
A 290R			J2-55/I	1				.22	NO	A,13	11, 14	
			SW1-3A	51				.25	YES			
A 291	1		SW1-2B	51				.25	YES			
			SW1-4B	51				.25	YES			
A 292	1		SW1-3B	51				.25	YES			
			SW1-4A	51				.25	YES			
A 293	1		TB7-2	50								
			TB6-28	49								

SIZE A	CODE IDENT NO. 99974	2900573
SCALE-NONE	REV LTR J	SHEET 58 OF 63

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 294	1		J2-31/I TB5-16	1 4				.22	NO	A,13	11, 14	
A 295	1		J2-31/0 TB5-17	1 3				.22	NO	A,13	12, 13, 15	
A 296	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 296A	1		SHLD A296 E24	 60				.25 .25	NO NO			
A 296L			J2-32/0 TB4-27	1 7				.22	NO	A,13	12, 13, 15	
A 296R			J2-32/I TB4-26	1 7				.22	NO	A,13	11, 14	
A 297	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 297A	1		SHLD A297 E24	 60				.25 .25	NO NO			
A 297L			J2-33/0 TB4-25	1 5				.22	NO	A,13	12, 13, 15	
A 297R			J2-33/I TB4-24	1 5				.22	NO	A,13	11, 14	
A 298	3				2.25 8.00	2.00 7.75				B,4 A,7	4, 7, 8 4	
A 298A	1		SHLD A298 E24	 60				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 59 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 298L			J2-34/0 TB4-31	1 7				.22	NO	A,13	12, 13, 15	
A 298R			J2-34/I TB4-30	1 7				.22	NO	A,13	11, 14	
A 299	3				1.75 8.00	1.50 7.75				B,4 A,7	4, 7, 8 4	
A 299A	1		SHLD A299 E24	 60				.25 .25	NO NO			
A 299L			J2-35/0 TB4-23	1 8				.22	NO	A,13	12, 13, 15	
A 299R			J2-35/I TB4-22	1 8				.22	NO	A,13	11, 14	
A 300	1		J2-30 E18	1 58				.19 .25	NO NO		16	
A 301	1		E24 E21	60 52				.25 .25	NO NO			
A 302	1		J1-45/I TB5-14	32 2				.22	NO	A,13	11, 14	
A 303	1		J1-45/0 TB5-15	32 5				.22	NO	A,13	12, 13, 15	
A 304	1		J1-46/I TB5-12	32 4				.22	NO	A,13	11, 14	
A 305	1		J1-46/0 TB5-13	32 3				.22	NO	A,13	12, 13, 15	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 60 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 306	1		J1-44 E2	32 33				.19 .25	NO NO			
A 307	1		P1-32 E25	21 42				.19 .25	NO NO		10	
A 308	1		P2-16 P2-52	13 13				.19 .19	NO NO		 28	
A 309	1		P2-10 P2-50	13 13				.19 .19	NO NO		28	
A 310	1		J1-16/0 J3-H*	32 40				.22 .19	NO NO	A,13	12, 13, 15	
A 311	1		J1-16/I J3-I*	32 40				.22 .19	NO NO	A,13	11, 14	
A 312	1		TB5-18 TB5-10	2 3								
A 313	1		TB5-27 TB5-11	3 2								
A 314	1		J1-47/I TB6-6	32 49				.22	NO	A,13	11, 14	
A 315	1		TB6-14 TB2-44	49 24								
A 316	1		J1-47/0 TB2-48	32 22				.22	NO	A,13	12, 13, 15	
A 317	1		J2-18/0 J4-E	1 45				.22 .19	NO NO	A,13	12, 13, 15	

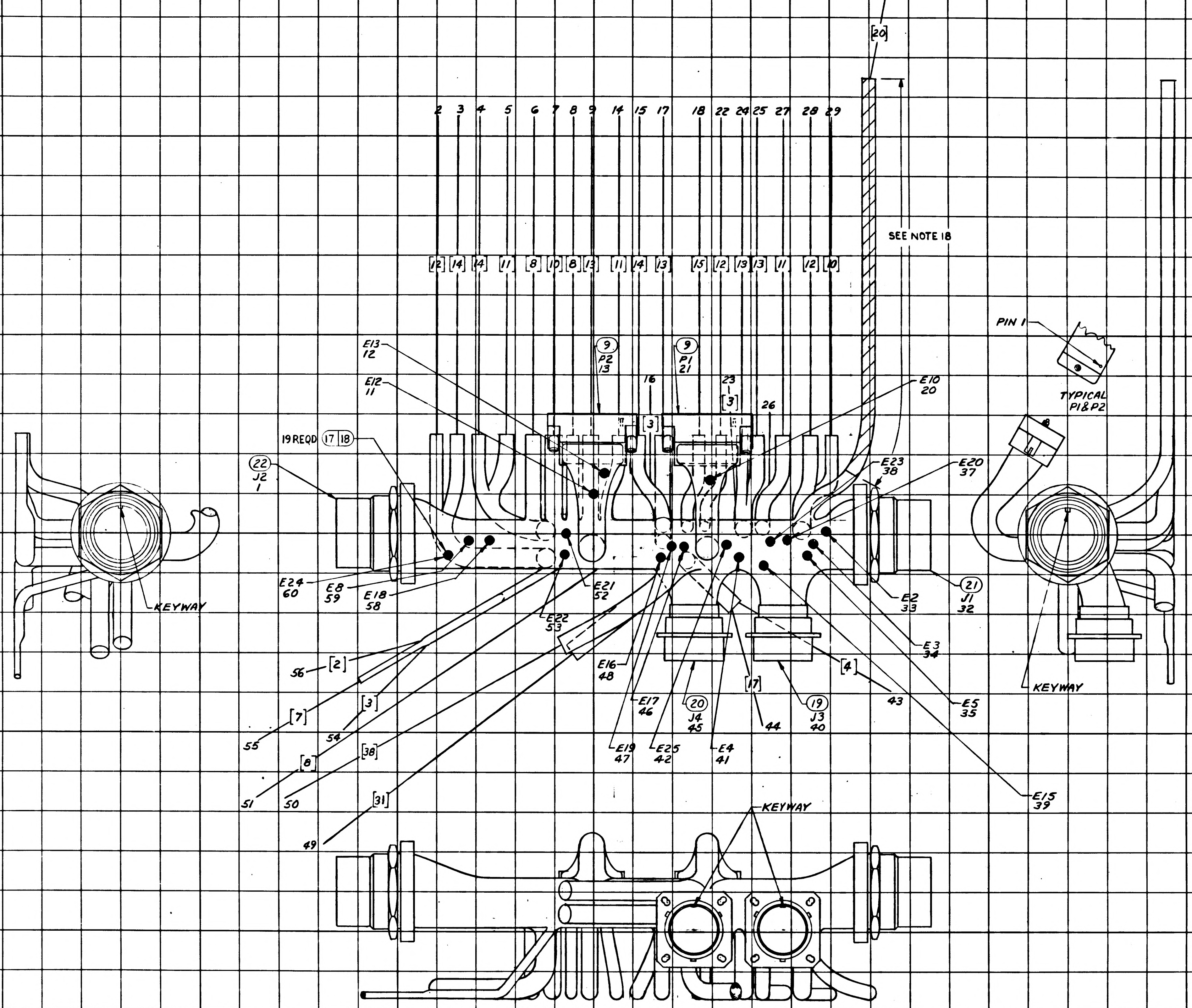
SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 61 OF 63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 318	1		J4-E TB3-25	45 9				.19	NO			
A 319	1		P2-52 J4-F	13 45				.19 .19	NO NO			
A 320	1		J2-19/0 J4-G	1 45				.22 .19	NO NO	A,13	12, 13, 15	
A 321	1		J4-G TB3-24	45 14				.19	NO			
A 322	1		P2-10 J4-H	13 45				.19 .19	NO NO			
A 323	1		J2-27/0 TB7-3	1 50				.22	NO	A,13	12, 13, 15	
A 324	1		TB7-3 TB5-9	50 4								
A 325	1		TB7-11 TB5-24	50 3								
A 326	1		J2-48/0 TB4-21	1 6				.22	NO	A,13	12, 13, 15	
A 327	2				2.25 8.00	2.00 7.75				B,4 A,7	4, 5, 6 4	
A 327A			SHLD A327 E18	 58				.25 .25	NO NO			
A 327W			J2-48/I TB4-20	1 7				.22	NO	A,13	11, 14	

SIZE	CODE IDENT NO.	
A	99974	2900573
SCALE-NONE	REV LTR J	SHEET 62 OF 63

REVISIONS 23421				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		SEE SHEET 1 FOR REV. STATUS		

CHG NO.


31
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SEE NOTE 18
2 3 4 5 6 7 8 9 14 15 17 18 22 24 25 27 28 29
[12] [14] [14] [11] [8] [10] [8] [13] [11] [14] [13] [15] [12] [13] [13] [11] [12] [10]
PIN 1
TYPICAL P1&P2
E13 12
E12 11
(9) P2 13
(9) P1 21
16
23 [3]
[3]
26
E10 20
19 REQD (17) [18]
(22) J2 1
E23 38
E20 37
E24 60
E8 59
E18 58
E21 52
E22 53
E2 33
(21) J1 32
E3 34
E5 35
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E16 48
E17 46
E19 47
E25 42
E4 41
(20) J4 45
[17] 44
(19) J3 40
[4] 43
E15 39
KEYWAY
KEYWAY
KEYWAY

2900037-011	2900037-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 12 JUL 65 DATE
CHECKED 22 JUL 65
APPROVAL R. 22 JUL 65
APPROVAL Tillman
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

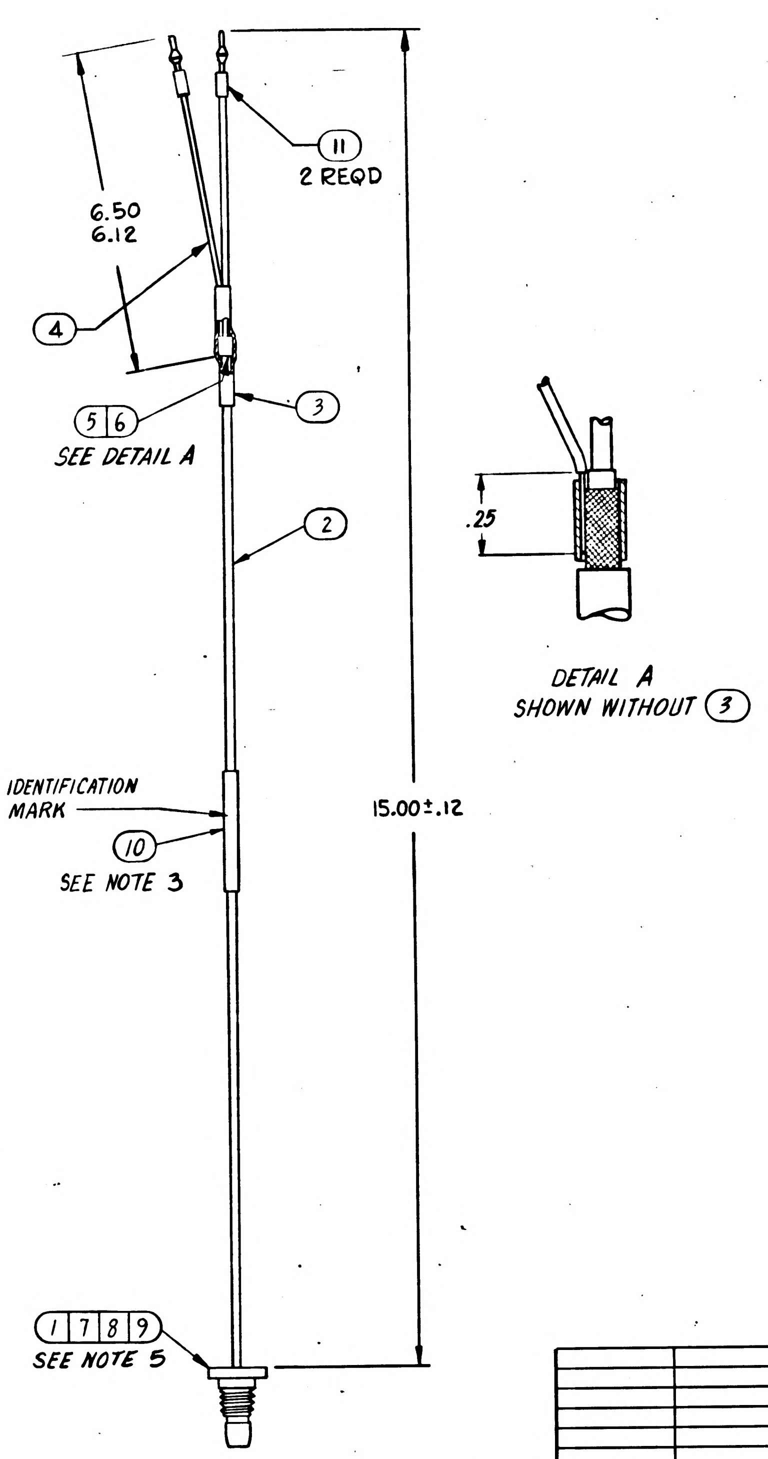
WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900573
SCALE 1/1
SHEET 63 OF 63

2900573 J

REVISIONS 23421					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 204834		13 SEP 65	
B		INITIAL RELEASE CLASS A PER TDRR 23421		19 OCT 65	

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
3. CENTRALIZE AS SHOWN
4. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
5. STRIP WIRE TO CONNECTOR, ITEM ① AS FOLLOWS:
   STRIP JACKET .50
   STRIP SHIELD .15
   STRIP INSULATION .15
6. ASSEMBLE PER ND 1002032



	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 4	11	2	1015817-424	CONTACT PIN
	10	1	1010490-350	INSULATION-SLEEVING
	9	1	1015908-51	HYRING
	8	1	1015908-11	PIN-CONTACT-COAXIAL
	7	1	1015908-31	OUTER FEMALE BODY
	6	1	1000242-004	FERRULE, OUTER
SEE NOTE 4	5	1	1000243-002	FERRULE, INNER
	4	1	2900574-002	(ND1002181) WIRE 24 AWG CLASS 1-TYPE 1 WHITE INCHES LONG
SEE NOTE 4	3	1	1010490-348	INSULATION-SLEEVING
	2	1	2900574-001	(MIL-C-17/69A RG-188 /U WIRE-COAXIAL 15 INCHES LONG (ES 713-69)
SEE NOTE 4	1	1	1015848-1	CONNECTOR-COAXIAL RECEPTACLE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900037-011	2900037-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — - —
DECIMALS ±.06
ANGLES + — - —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN McRiedel DATE 1 JUL 65
CHECKED W. Weihl 22 Jul 65
APPROVAL L Baron 22 JUL 65
APPROVAL 10/21/65
NASA APPROVAL A C Metzger
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

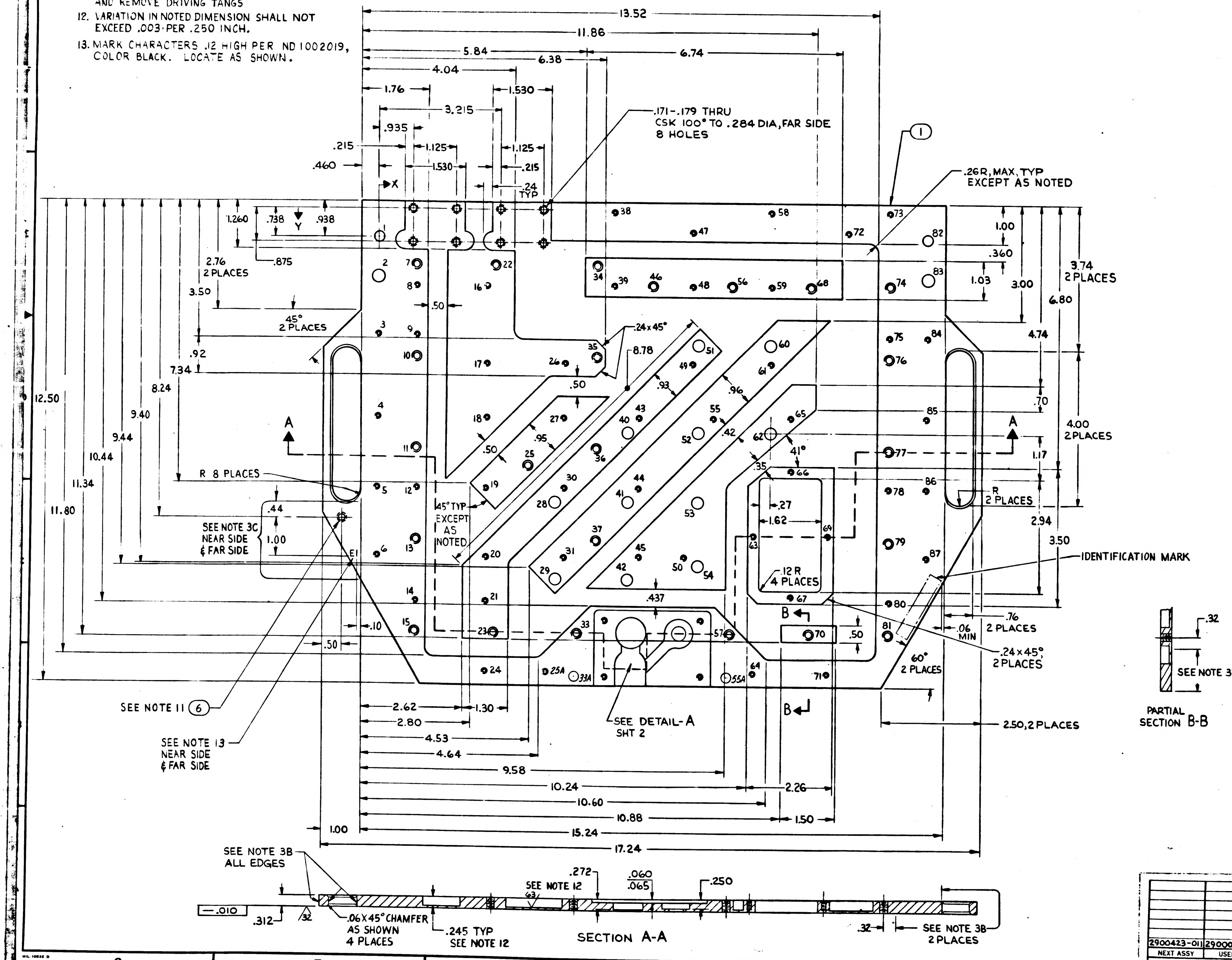
CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL-D

CODE IDENT NO. 99974
SIZE D
2900574
SCALE —
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TEMPER T651 (ES2106 ALUMINUM ALLOY 6061-T6).
3. FINISH.
   - A. MIL-C-5541 (ES591 CHEMICAL FILM). ALL OVER.
   - B. APPLY ITEM ④ AND 2 COATS OF ITEM ⑤ TO INDICATED AREAS.
   - C. NOTED AREAS SHALL BE FREE OF PRIMER AND PAINT.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
5. HOLE NUMBERS ARE FOR MANUFACTURING REFERENCE.
6. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
7. MUST BE FREE FROM BURRS.
8. UNLESS OTHERWISE SPECIFIED:
   - A. ALL CORNERS TO BE .005 TO .015R, OR CHAMFER.
   - B. SURFACE ROUGHNESS MUST NOT EXCEED $\overset{250}{\checkmark}$.
9. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING
10. .110-.114 DIA, .250 DEEP, 6-32UNC-2B, .188 DEEP.
11. INSTALL ITEM ② AND ⑥ FAR SIDE, PER MS 33646 CSK TAP FOR CLASS 2B THD. AND REMOVE DRIVING TANGS
12. VARIATION IN NOTED DIMENSION SHALL NOT EXCEED .003 PER .250 INCH.
13. MARK CHARACTERS .12 HIGH PER ND 1002019, COLOR BLACK. LOCATE AS SHOWN.

REVISIONS 23387					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISEDED PER MXC 203798		65	
	B	REVISED PER MXC 204185		26 AUG 65	LK
	C	REVISED PER MXC 204355		1 SEP 65	LK
	D	REVISED PER MXC 205,18		17 SEP 65	DKD
	E	REVISED PER MXC 205598		6 OCT 65	
	F	REVISED PER MXC 206003		16 OCT 65	RLP
	G	INITIAL [illegible] CLASS A PER IDRR 23387		18 OCT 65	



13.52
11.86
5.84
6.38
6.74
4.04
1.76
1.530
3.215
.935
.215
1.125
1.125
.460
1.530
.215
.24 TYP
X
.171-.179 THRU CSK 100° TO .284 DIA, FAR SIDE 8 HOLES
①
.26R, MAX, TYP EXCEPT AS NOTED
1.260
.738
Y
.938
.875
2.76 2 PLACES
3.50
45° 2 PLACES
.92
7.34
8.24
9.40
9.44
10.44
11.34
11.80
12.50
.50
.24x45°
8.78
.93
.96
.50
.95
.50
.42
41°
.35
1.00
.360
1.03
3.00
3.74 2 PLACES
6.80
4.74
.70
4.00 2 PLACES
1.17
R 2 PLACES
2.94
3.50
R 8 PLACES
SEE NOTE 3C NEAR SIDE & FAR SIDE
.44
1.00
45° TYP EXCEPT AS NOTED
A
A
.27
1.62
.12 R 4 PLACES
.437
B
B
.50
IDENTIFICATION MARK
.76 2 PLACES
.06 MIN
.24x45° 2 PLACES
60° 2 PLACES
.10
.50
SEE NOTE 11 ⑥
SEE NOTE 13 NEAR SIDE & FAR SIDE
SEE DETAIL-A SHT 2
2.62
1.30
2.80
4.53
4.64
9.58
10.24
2.26
10.60
10.88
1.50
1.00
15.24
17.24
2.50, 2 PLACES
.32
SEE NOTE 3B
PARTIAL SECTION B-B
SEE NOTE 3B ALL EDGES
.010
.312
32
.06X45° CHAMFER AS SHOWN 4 PLACES
.245 TYP SEE NOTE 12
.272
SEE NOTE 12
.060
.065
.250
SECTION A-A
.32
SEE NOTE 3B 2 PLACES

SEE NOTE	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	6	1	MS21208F4-10	(1897110-104) INSERT, SCREW THREAD
	5	AR	TT-E-529, CLASS B	ENAMEL, SEMI-GLOSS DARK GRAY COLOR 26251 OF FED-STD-595
	4	AR	MIL-P-8585	PRIMER
SEE NOTE 9	3	4	1010935-1	INSERT, SCREW THREAD
	2	23	MS21208F1-10	(1897110-101) INSERT SCREW THD
SEE NOTE 2	1	1	2900584-00	FRAME, COLD PLATE

LIST OF PARTS AND MATERIALS

2900423-011	2900066-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.02	±1°
— —	±.005	— —

DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN E Miller 12 JUL 65 DATE
CHECKED Ed Foster 15 JUL 65
APPROVAL 15 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

FRAME, COLD PLATE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE
2900584
SCALE FULL
SHEET 1 OF 2

Charleston 13 JUL 65

REVISIONS 23387

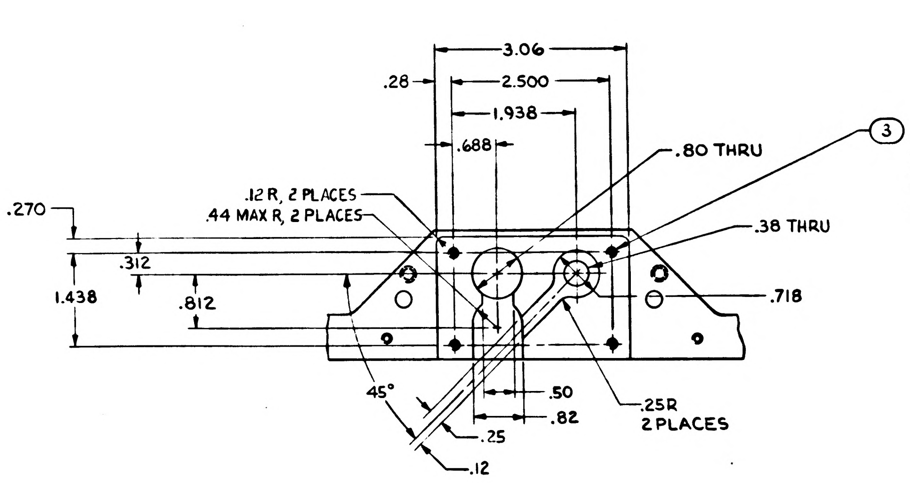
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 203798		AUG 65	JJJ CP
	B	REVISED PER MXC 204185		26 AUG 65	LK EF
	C	REVISED PER MXC 204355		18 SEP 65	LK AU
	D	REVISION STATUS CHANGED		17 SEP 65	DKD EF
	E	REVISED PER MXC 205598		6 OCT 65	[illegible]
	F	REVISION STATUS CHANGED		16 OCT 65	[illegible]
	G	INITIAL RELEASE CLASS A PER TDRR 23387		18 OCT 65	JR

COORDINATE DIMENSIONS

HOLE NO	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
41	6.620	6.812	.312 DIA THRU
42	6.620	8.812	.312 DIA THRU
43	6.782	4.625	SEE NOTE 10
44	6.782	6.438	10
45	6.782	8.188	10
46	7.159	1.232	11
47	8.220	-.188	10
48	8.220	1.218	10
49	8.220	3.250	10
50	8.220	8.188	SEE NOTE 10
51	8.500	2.750	.312 DIA THRU
52	8.500	5.000	.312 DIA THRU
53	8.500	6.812	.312 DIA THRU
54	8.500	8.432	.312 DIA THRU
55	8.782	4.625	SEE NOTE 10
56	9.222	1.232	11
57	9.222	10.182	11
58	10.220	-.688	10
59	10.220	1.218	SEE NOTE 10
60	10.370	2.750	.312 DIA THRU
61	10.282	3.250	SEE NOTE 10
62	10.370	5.000	.312 DIA THRU
63	9.938	7.625	SEE NOTE 10
64	9.875	11.219	10
65	10.910	4.625	10
66	10.910	6.000	10
67	10.910	9.250	10
68	11.284	1.232	11
69	11.880	7.625	10
70	11.284	10.182	11
71	11.812	11.219	10
72	12.252	-.188	10
73	13.347	-.688	10
74	13.347	1.232	11
75	13.347	2.500	10
76	13.347	3.057	11
77	13.347	5.432	11
78	13.347	6.438	10
79	13.347	7.806	11
80	13.347	9.375	10
81	13.347	10.182	SEE NOTE 11
82	14.320	.000	.150-.157 DIA THRU
83	14.320	1.000	.264-.272 DIA THRU
84	14.320	2.500	SEE NOTE 10
85	14.320	4.625	10
86	14.320	6.438	10
87	14.320	8.188	SEE NOTE 10
33A	5.160	11.312	.264-.272 DIA THRU
55A	9.160	11.312	.264-.272 DIA THRU
25A	4.420	11.219	SEE NOTE 10

COORDINATE DIMENSIONS

HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	.150-.157 DIA THRU
2	.000	1.000	.264-.272 DIA THRU
3	.000	2.500	SEE NOTE 10
4	.000	4.625	10
5	.000	6.438	10
6	.000	8.188	10
7	.972	.682	11
8	.972	1.250	10
9	.972	2.500	10
10	.972	3.057	11
11	.972	5.432	11
12	.972	6.438	10
13	.972	7.806	11
14	.972	9.375	10
15	.972	10.182	11
16	2.870	1.250	10
17	2.870	3.250	10
18	2.870	4.625	10
19	2.870	6.438	10
20	2.870	8.188	10
21	2.870	9.375	10
22	3.034	.682	11
23	3.034	10.182	11
24	2.870	11.219	10
25	3.909	5.870	11
26	4.870	3.250	10
27	4.870	4.625	SEE NOTE 10
28	4.750	6.812	.312 DIA THRU
29	4.750	8.812	.312 DIA THRU
30	4.870	6.438	SEE NOTE 10
31	4.870	8.188	SEE NOTE 10
33	5.097	10.182	SEE NOTE 11
34	5.659	.682	11
35	5.659	3.057	11
36	5.659	5.432	11
37	5.659	7.806	11
38	6.096	-.688	10
39	6.096	1.218	SEE NOTE 10
40	6.620	5.000	.312 DIA THRU



.186-.190 DIA BOTTOMING DRILL
.220 DEEP. 90° CSK TO .210-.230 DIA
12-28UNF-2B BOTTOMING TAP .18 DEEP.
INSTALL SECURELY .005 TO .015 BELOW
SURFACE 4 PLACES.

DETAIL-A

NEXT ASSY	USED ON
2900423-011	2900066-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - - - DECIMALS ± — ± — ANGLES ± — - -
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN E. Miller DATE 13 JUL 65
CHECKED Ed Foster 15 JUL 65
APPROVAL 15 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

FRAME, COLD PLATE
(INSEPARABLE ASSEMBLY

CODE IDENT NO 99974
SIZE E
2900584
SCALE FULL
SHEET 2 OF 2

APPLICATION		REVISIONS 23392			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900025-011	2900022-011	A	INITIAL RELEASE CLASS A PER TDRR 23392	10-18-65	MRC cw

REV STATUS	REV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN Janowiak DATE 6 JUL 65
CHECKED Wilson 7 JUL 65
APPROVAL Perini 7 JUL '65
APPROVAL Gedman 10/20/65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W134

NASA APPROVAL AC Whitney
MIT APPROVAL 20 Oct 65

CODE IDENT NO.	SIZE		REV
99974	A	2900588	A

CONTRACT NAS 9-497

SCALE NONE

SHEET 1 OF 16

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 15 INCHES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
8	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
9	ITEMS 9 AND 10 FURNISHED WITH ITEMS 3 AND 4
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
11	~~[illegible]~~ GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING(FURNISHED PLUGS)(ITEM 10.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588
SCALE-NONE	REV LTR A	SHEET 2 OF 16

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	SECURE TO CABLE USING ITEM 15, MARKING TO READ AWAY FROM CONNECTOR
14	SERIALIZE PER ND 1002023
15	MARK IDENTIFICATION BANDS AS NOTED ON DRAWING, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
16	FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 13 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.,

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE				
	WIRE OR CABLE	STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+ .06-.00	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+ .50-.00	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+1.00-.00		+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588
SCALE-NONE	REV LTR A	SHEET 3 OF 16

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900588-001	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 34 FT TOTAL LENGTH.
	2	1	2900588-002	WIRE ND1002181, TYPE 2, CLASS 4, 22AWG, WHT. JKT., WHT/BLU, WHT/RED, 348 FT. TOTAL LENGTH
	3	1	1897247-004	CONNECTOR, PLUG
	4	1	1897249-004	CONNECTOR, PLUG
	5	1	1010933-105	CABLE CLAMP, STRAIGHT
	6	1	1010933-205	CABLE CLAMP, STRAIGHT
	7	44	1010763- 3	SOLDER SLEEVE
	8	44	1010490-226	INSULATION SLEEVING
9	9		1897190- 2	CONTACT, SOCKET
9	10		1010958- 1	SEALING PLUG
	11	1	1016128-011	BAND, IDENTIFICATION
	12	2	1016128-041	BAND, IDENTIFICATION
	13	AR	1901390	FILLER TAPE
	14	1	2900588-003	ZIPPER TUBING PER ND1002155 TYPE 1, GRAY, .875 DIA., 12 FT TOTAL LENGTH.
	15	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732, NO. 18)
	16	17	1010490-228	INSULATION SLEEVING

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588
SCALE-NONE	REV LTR A	SHEET 4 OF 16

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2				2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	1A	1		SHLD A1 P1-42					.25 .15	NO NO		9	
A	1B	1		P2-42 SHLD A1					.15 .25	NO NO		9	
A	1L			P1-66 P2-66					.15 .15	NO NO		9 9	
A	1R			P1-41 P2-41					.15 .15	NO NO		9 9	
A	2	2				2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	2A	1		SHLD A2 P1-54					.25 .15	NO NO		9	
A	2B	1		P2-54 SHLD A2					.15 .25	NO NO		9	
A	2L			P1-78 P2-78					.15 .15	NO NO		9 9	
A	2R			P1-53 P2-53					.15 .15	NO NO		9 9	
A	3					2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	3A			SHLD A3 P1-52					.25 .15	NO NO		9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588
SCALE-NONE	REV LTR A	SHEET 5 OF 16

CABLE ASSEMBLY W134 2900588 #A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3B		P2-52 SHLD A3					.15 .25	NO NO		9	
A	3L		P1-76 P2-76					.15 .15	NO NO		9 9	
A	3R		P1-77 P2-77					.15 .15	NO NO		9 9	
A	4	2			2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	4A	1	SHLD A4 P1-40					.25 .15	NO NO		9	
A	4B	1	P2-40 SHLD A4					.15 .25	NO NO		9	
A	4L		P1-65 P2-65					.15 .15	NO NO		9 9	
A	4R		P1-64 P2-64					.15 .15	NO NO		9 9	
A	5	2			2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	5A	1	SHLD A5 P1-80					.25 .15	NO NO		9	
A	5B	1	P2-80 SHLD A5					.15 .25	NO NO		9	
A	5L		P1-79 P2-79					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE-NONE | REV LTR #A | SHEET 6 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W134 2900588 #A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5R		P1-55 P2-55					.15 .15	NO NO		9 9	
A	6	2			2.80 2.80	2.50 2.50				A,6B A,6B	7, 8 7, 8	
A	6A	1	SHLD A6 P1-47					.25 .15	NO NO		9	
A	6B	1	P2-47 SHLD A6					.15 .25	NO NO		9	
A	6L		P1-48 P2-48					.15 .15	NO NO		9 9	
A	6R		P1-72 P2-72					.15 .15	NO NO		9 9	
A	7	2			2.80 2.80	2.50 2.50				A,6B A,6B	7, 8 7, 8	
A	7A	1	SHLD A7 P1-71					.25 .15	NO NO		9	
A	7B	1	P2-71 SHLD A7					.15 .25	NO NO		9	
A	7L		P1-70 P2-70					.15 .15	NO NO		9 9	
A	7R		P1-46 P2-46					.15 .15	NO NO		9 9	
A	8	2			2.80 2.80	2.50 2.50				A,6B A,6B	7, 8 7, 8	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE-NONE | REV LTR #A | SHEET 7 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W134 2900588 #A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8A	1	SHLD A8 P1-68					.25 .15	NO NO		9	
A	8B	1	P2-68 SHLD A8					.15 .25	NO NO		9	
A	8L		P1-67 P2-67					.15 .15	NO NO		9 9	
A	8R		P1-43 P2-43					.15 .15	NO NO		9 9	
A	9	2			2.80 2.80	2.50 2.50				A,6B A,6B	7, 8 7, 8	
A	9A	1	SHLD A9 P1-45					.25 .15	NO NO		9	
A	9B	1	P2-45 SHLD A9					.15 .25	NO NO		9	
A	9L		P1-69 P2-69					.15 .15	NO NO		9 9	
A	9R		P1-44 P2-44					.15 .15	NO NO		9 9	
A	10	2			2.80 2.80	2.50 2.50				A,6B A,6B	7, 8 7, 8	
A	10A	1	SHLD A10 P1-17					.25 .15	NO NO		9	
A	10B	1	P2-17 SHLD A10					.15 .25	NO NO		9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE-NONE | REV LTR #A | SHEET 8 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W134 2900588 #A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10L		P1-33 P2-33					.15 .15	NO NO		9 9	
A	10R		P1-16 P2-16					.15 .15	NO NO		9 9	
A	11	2			3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A	11A	1	SHLD A11 P1-9					.25 .15	NO NO		9	
A	11B	1	P2-9 SHLD A11					.15 .25	NO NO		9	
A	11L		P1-21 P2-21					.15 .15	NO NO		9 9	
A	11R		P1-22 P2-22					.15 .15	NO NO		9 9	
A	12	2			3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A	12A	1	SHLD A12 P1-24					.25 .15	NO NO		9	
A	12B	1	P2-24 SHLD A12					.15 .25	NO NO		9	
A	12L		P1-23 P2-23					.15 .15	NO NO		9 9	
A	12R		P1-10 P2-10					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE-NONE | REV LTR #A | SHEET 9 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W134 2900588 fA

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	2			3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A	13A	1	SHLD A13 P1-26					.25 .15	NO NO		 9	
A	13B	1	P2-26 SHLD A13					.15 .25	NO NO		9	
A	13L		P1-25 P2-25					.15 .15	NO NO		9 9	
A	13R		P1-11 P2-11					.15 .15	NO NO		9 9	
A	14	2			3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A	14A	1	SHLD A14 P1-13					.25 .15	NO NO		 9	
A	14B	1	P2-13 SHLD A14					.15 .25	NO NO		9	
A	14L		P1-27 P2-27					.15 .15	NO NO		9 9	
A	14R		P1-12 P2-12					.15 .15	NO NO		9 9	
A	15	2			3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A	15A	1	SHLD A15 P1-30					.25 .15	NO NO		 9	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900588
SCALE-NONE
REV LTR fA
SHEET 10 OF 16

CABLE ASSEMBLY W134 2900588 fA

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15B	1	P2-30 SHLD A15					.15 .25	NO NO		9	
A	15L		P1-29 P2-29					.15 .15	NO NO		9 9	
A	15R		P1-14 P2-14					.15 .15	NO NO		9 9	
A	16	2			3.80 3.80	3.50 3.50				A,6B A,6B	7, 8 7, 8	
A	16A	1	SHLD A16 P1-32					.25 .15	NO NO		 9	
A	16B	1	P2-32 SHLD A16					.15 .25	NO NO		9	
A	16L		P1-31 P2-31					.15 .15	NO NO		9 9	
A	16R		P1-15 P2-15					.15 .15	NO NO		9 9	
A	17	2			3.80 3.80	3.50 3.50				A,6B A,6B	7, 8 7, 8	
A	17A	1	SHLD A17 P1-38					.25 .15	NO NO		 9	
A	17B	1	P2-38 SHLD A17					.15 .25	NO NO		9	
A	17L		P1-62 P2-62					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900588
SCALE-NONE
REV LTR fA
SHEET 11 OF 16

CABLE ASSEMBLY W134 2900588 fA

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17R		P1-63 P2-63					.15 .15	NO NO		9 9	
A	18	2			3.80 3.80	3.50 3.50				B,7 B,7	16 16	
A	18L		P1-56 P2-56					.15 .15	NO NO		9 9	
A	18R		P1-81 P2-81					.15 .15	NO NO		9 9	
A	19	2			3.80 3.80	3.50 3.50				B,7 B,7	16 16	
A	19L		P1-1 P2-1					.15 .15	NO NO		9 9	
A	19R		P1-2 P2-2					.15 .15	NO NO		9 9	
A	20	2			3.80 3.80	3.50 3.50				B,7 B,7	16 16	
A	20L		P1-4 P2-4					.15 .15	NO NO		9 9	
A	20R		P1-3 P2-3					.15 .15	NO NO		9 9	
A	21	2			4.30 4.30	4.00 4.00				B,7 B,7	16 16	
A	21L		P1-6 P2-6					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900588
SCALE-NONE
REV LTR fA
SHEET 12 OF 16

CABLE ASSEMBLY W134 2900588 fA

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21R		P1-5 P2-5					.15 .15	NO NO		9 9	
A	22	2			4.30 4.30	4.00 4.00				A,6B A,6B	7, 8 7, 8	
A	22A	1	SHLD A22 P1-36					.25 .15	NO NO		 9	
A	22B	1	P2-36 SHLD A22					.15 .25	NO NO		9	
A	22L		P1-35 P2-35					.15 .15	NO NO		9 9	
A	22R		P1-18 P2-18					.15 .15	NO NO		9 9	
A	23	2			4.30 4.30	4.00 4.00				A,6B A,6B	7, 8 7, 8	
A	23A	1	SHLD A23 P1-20					.25 .15	NO NO		 9	
A	23B	1	P2-20 SHLD A23					.15 .25	NO NO		9	
A	23L		P1-37 P2-37					.15 .15	NO NO		9 9	
A	23R		P1-19 P2-19					.15 .15	NO NO		9 9	
A	24	2			4.30 4.30	4.00 4.00				B,7 A,6B	16 7, 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900588
SCALE-NONE
REV LTR fA
SHEET 13 OF 16

CABLE ASSEMBLY W134 2900588 A

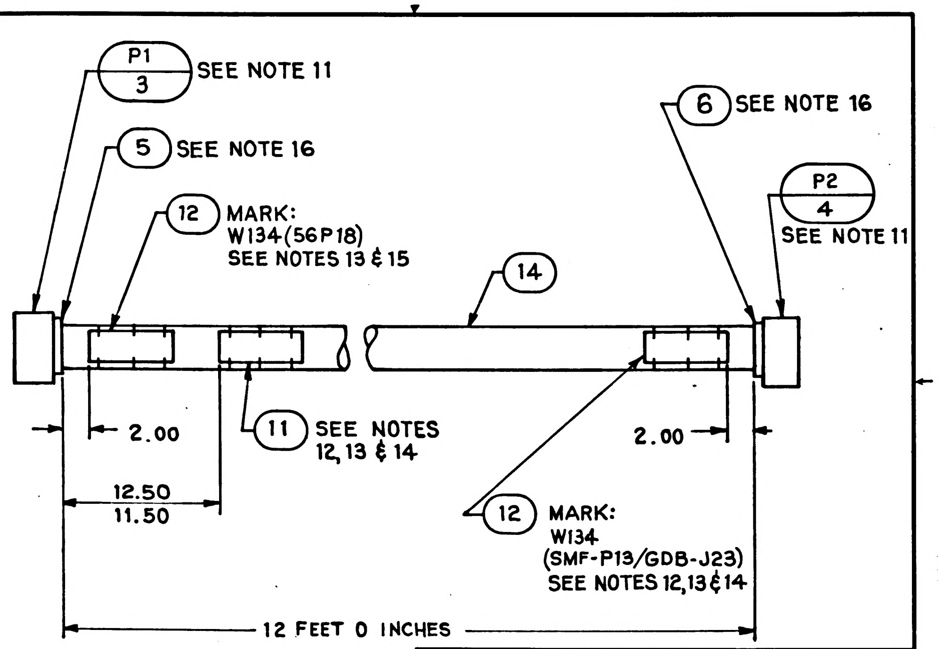
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24B	1		P2-75 SHLD A24					.15 .25	NO NO		9	
A 24L			P1-61 P2-61					.15 .15	NO NO		9 9	
A 24R			P1-85 P2-85					.15 .15	NO NO		9 9	
A 25	2				4.30 4.30	4.00 4.00				B,7 A,6B	16 7, 8	
A 25B	1		P2-74 SHLD A25					.15 .25	NO NO		9	
A 25L			P1-59 P2-59					.15 .15	NO NO		9 9	
A 25R			P1-84 P2-84					.15 .15	NO NO		9 9	
A 26	2				4.80 4.80	4.50 4.50				B,7 A,6B	16 7, 8	
A 26B	1		P2-73 SHLD A26					.15 .25	NO NO		9	
A 26L			P1-58 P2-58					.15 .15	NO NO		9 9	
A 26R			P1-82 P2-82					.15 .15	NO NO		9 9	
A 27	2				4.80 4.80	4.50 4.50				B,7 B,7	16 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588	
SCALE-NONE	REV LTR A		SHEET 14 OF 16

CABLE ASSEMBLY W134 2900588 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27L			P1-8 P2-8					.15 .15	NO NO		9 9	
A 27R			P1-7 P2-7					.15 .15	NO NO		9 9	
A 28	2				4.80 4.80	4.50 4.50				B,7 B,7	16 16	
A 28L			P1-28 P2-28					.15 .15	NO NO		9 9	
A 28R			P1-49 P2-49					.15 .15	NO NO		9 9	
A 29	1		P1-50 P2-50					.15 .15	NO NO		9 9	
A 30	2				4.80 4.80	4.50 4.50				B,7 B,7	16 16	
A 30L			P1-34 P2-34					.15 .15	NO NO		9 9	
A 30R			P1-57 P2-57					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588	
SCALE-NONE	REV LTR A		SHEET 15 OF 16



P1
3
SEE NOTE 11
5
SEE NOTE 16
12
MARK:
W134(56P18)
SEE NOTES 13 & 15
14
6
SEE NOTE 16
P2
4
SEE NOTE 11
2.00
11
SEE NOTES
12,13 & 14
2.00
12.50
11.50
12
MARK:
W134
(SMF-P13/GDB-J23)
SEE NOTES 12,13 & 14
12 FEET 0 INCHES

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900588	
SCALE-NONE	REV LTR A		SHEET 16 OF 16

APPLICATION		REVISIONS 23392			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900025-011	2900022-011 Ⓜ	A	INITIAL RELEASE CLASS A PER TDRR 23392	10-18-65	MRC / CW
		B	REVISED PER TDRR24145	24-NOV-65	B. / JAC

REV																	
SHEET																	
REV STATUS	REV	B	B	B	B	A	A	A	A	A	A	A	B	B	B	B	A
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN Janowiak DATE 6 JUL 65
CHECKED Wilson 7 Jul 65
APPROVAL Perini 7 Jul '65
APPROVAL Gediman 10/29/65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W134

CODE IDENT NO.	SIZE		REV
99974	A	2900588	B

SCALE NONE

SHEET 1 OF 16

CABLE ASSEMBLY W134 2900588 B

GENERAL NOTES

NOTE NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND 1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 APPLY LEAD IDENTIFICATIONS PER ND 1002019.

7 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

8 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

9 ITEM 9 FURNISHED WITH ITEMS 3 AND 4.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE

11 GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEM 10.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900588
SCALE-NONE	REV LTR B	SHEET 2 OF 16

MIL 2084 9-65

CABLE ASSEMBLY W134 2900588 B

GENERAL NOTES

NOTE NUMBER DESCRIPTION

13 SECURE TO CABLE USING ITEM 15, MARKING TO READ AWAY FROM CONNECTOR ALIGN CENTER LINES OF BANDS AND CONNECTOR MASTER KEY SLOTS TO BE COLINEAR WITHIN + OR - 0.25 INCH.

14 SERIALIZE PER ND 1002023

15 MARK IDENTIFICATION BANDS AS NOTED ON DRAWING, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

16 FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 13 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

17 ASSEMBLE PER ND1002032.

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE				
		STRIP		CUT	
	WIRE OR CABLE	WIRE	JACKET	WIRE	SHIELD
UNDER 1 INCH	+ .06-.00	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+ .50-.00	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+1.00-.00		+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900588
SCALE-NONE	REV LTR B	SHEET 3 OF 16

MIL 2084 9-65

CABLE ASSEMBLY W134 2900588 B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900588-001	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 34 FT TOTAL LENGTH.
	2	1	2900588-002	WIRE ND1002181, TYPE 2, CLASS 4, 22AWG, WHT. JKT., WHT/BLU, WHT/RED, 348 FT. TOTAL LENGTH
	3	1	1897247-004	CONNECTOR, PLUG
	4	1	1897249-004	CONNECTOR, PLUG
	5	1	1010933-105	CABLE CLAMP
	6	1	1010933-205	CABLE CLAMP
	7	44	1010763- 2	SOLDER SLEEVE.
	8	61	1010490-228	INSULATION SLEEVING
9	9		1897190- 2	CONTACT, SOCKET
	10		1010958- 1	DELETED
	11	1	1016128-011	BAND, IDENTIFICATION
	12	2	1016128-041	BAND, IDENTIFICATION
	13	AR	1901390	FILLER TAPE
	14	1	2900588-003	ZIPPER TUBING PER ND1002155 TYPE 1, GRAY, .875 DIA., 12 FT TOTAL LENGTH.
	15	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732, NO. 18)
	16		1010490-228	DELETED

SIZE	CODE IDENT NO.	
A	99974	2900588
SCALE-NONE	REV LTR B	SHEET 4 OF 16

MIL 2084 9-65

CABLE ASSEMBLY W134 2900588

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2			2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	1A	1	SHLD A1 P1-42					.25 .15	NO NO		 9	
A	1B	1	P2-42 SHLD A1					.15 .25	NO NO		9	
A	1L		P1-66 P2-66					.15 .15	NO NO		9 9	
A	1R		P1-41 P2-41					.15 .15	NO NO		9 9	
A	2	2			2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	2A	1	SHLD A2 P1-54					.25 .15	NO NO		 9	
A	2B	1	P2-54 SHLD A2					.15 .25	NO NO		9	
A	2L		P1-78 P2-78					.15 .15	NO NO		9 9	
A	2R		P1-53 P2-53					.15 .15	NO NO		9 9	
A	3				2.30 2.30	2.00 2.00				A,6B A,6B	7, 8 7, 8	
A	3A		SHLD A3 P1-52					.25 .15	NO NO		 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900588
SCALE-NONE	REV LTR	SHEET 5 OF 16

MIL 2084 4-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3B		P2-52					.15	NO		9	
			SHLD A3					.25	NO			
A	3L		P1-76					.15	NO		9	
			P2-76					.15	NO		9	
A	3R		P1-77					.15	NO		9	
			P2-77					.15	NO		9	
A	4	2			2.30	2.00				A,6B	7, 8	
					2.30	2.00				A,6B	7, 8	
A	4A	1	SHLD A4					.25	NO			
			P1-40					.15	NO		9	
A	4B	1	P2-40					.15	NO		9	
			SHLD A4					.25	NO			
A	4L		P1-65					.15	NO		9	
			P2-65					.15	NO		9	
A	4R		P1-64					.15	NO		9	
			P2-64					.15	NO		9	
A	5	2			2.30	2.00				A,6B	7, 8	
					2.30	2.00				A,6B	7, 8	
A	5A	1	SHLD A5					.25	NO			
			P1-80					.15	NO		9	
A	5B	1	P2-80					.15	NO		9	
			SHLD A5					.25	NO			
A	5L		P1-79					.15	NO		9	
			P2-79					.15	NO		9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5R		P1-55					.15	NO		9	
			P2-55					.15	NO		9	
A	6	2			2.80	2.50				A,6B	7, 8	
					2.80	2.50				A,6B	7, 8	
A	6A	1	SHLD A6					.25	NO			
			P1-47					.15	NO		9	
A	6B	1	P2-47					.15	NO		9	
			SHLD A6					.25	NO			
A	6L		P1-48					.15	NO		9	
			P2-48					.15	NO		9	
A	6R		P1-72					.15	NO		9	
			P2-72					.15	NO		9	
A	7	2			2.80	2.50				A,6B	7, 8	
					2.80	2.50				A,6B	7, 8	
A	7A	1	SHLD A7					.25	NO			
			P1-71					.15	NO		9	
A	7B	1	P2-71					.15	NO		9	
			SHLD A7					.25	NO			
A	7L		P1-70					.15	NO		9	
			P2-70					.15	NO		9	
A	7R		P1-46					.15	NO		9	
			P2-46					.15	NO		9	
A	8	2			2.80	2.50				A,6B	7, 8	
					2.80	2.50				A,6B	7, 8	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8A	1	SHLD A8					.25	NO			
			P1-68					.15	NO		9	
A	8B	1	P2-68					.15	NO		9	
			SHLD A8					.25	NO			
A	8L		P1-67					.15	NO		9	
			P2-67					.15	NO		9	
A	8R		P1-43					.15	NO		9	
			P2-43					.15	NO		9	
A	9	2			2.80	2.50				A,6B	7, 8	
					2.80	2.50				A,6B	7, 8	
A	9A	1	SHLD A9					.25	NO			
			P1-45					.15	NO		9	
A	9B	1	P2-45					.15	NO		9	
			SHLD A9					.25	NO			
A	9L		P1-69					.15	NO		9	
			P2-69					.15	NO		9	
A	9R		P1-44					.15	NO		9	
			P2-44					.15	NO		9	
A	10	2			2.80	2.50				A,6B	7, 8	
					2.80	2.50				A,6B	7, 8	
A	10A	1	SHLD A10					.25	NO			
			P1-17					.15	NO		9	
A	10B	1	P2-17					.15	NO		9	
			SHLD A10					.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10L		P1-33					.15	NO		9	
			P2-33					.15	NO		9	
A	10R		P1-16					.15	NO		9	
			P2-16					.15	NO		9	
A	11	2			3.30	3.00				A,6B	7, 8	
					3.30	3.00				A,6B	7, 8	
A	11A	1	SHLD A11					.25	NO			
			P1-9					.15	NO		9	
A	11B	1	P2-9					.15	NO		9	
			SHLD A11					.25	NO			
A	11L		P1-21					.15	NO		9	
			P2-21					.15	NO		9	
A	11R		P1-22					.15	NO		9	
			P2-22					.15	NO		9	
A	12	2			3.30	3.00				A,6B	7, 8	
					3.30	3.00				A,6B	7, 8	
A	12A	1	SHLD A12					.25	NO			
			P1-24					.15	NO		9	
A	12B	1	P2-24					.15	NO		9	
			SHLD A12					.25	NO			
A	12L		P1-23					.15	NO		9	
			P2-23					.15	NO		9	
A	12R		P1-10					.15	NO		9	
			P2-10					.15	NO		9	

CABLE ASSEMBLY W134 2900588

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2				3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A 13A	1		SHLD A13 P1-26					.25 .15	NO NO		 9	
A 13B	1		P2-26 SHLD A13					.15 .25	NO NO		9	
A 13L			P1-25 P2-25					.15 .15	NO NO		9 9	
A 13R			P1-11 P2-11					.15 .15	NO NO		9 9	
A 14	2				3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A 14A	1		SHLD A14 P1-13					.25 .15	NO NO		 9	
A 14B	1		P2-13 SHLD A14					.15 .25	NO NO		9	
A 14L			P1-27 P2-27					.15 .15	NO NO		9 9	
A 14R			P1-12 P2-12					.15 .15	NO NO		9 9	
A 15	2				3.30 3.30	3.00 3.00				A,6B A,6B	7, 8 7, 8	
A 15A	1		SHLD A15 P1-30					.25 .15	NO NO		 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE - NONE | REV LTR | SHEET 10 OF 16

CABLE ASSEMBLY W134 2900588

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15B	1		P2-30 SHLD A15					.15 .25	NO NO		9	
A 15L			P1-29 P2-29					.15 .15	NO NO		9 9	
A 15R			P1-14 P2-14					.15 .15	NO NO		9 9	
A 16	2				3.80 3.80	3.50 3.50				A,6B A,6B	7, 8 7, 8	
A 16A	1		SHLD A16 P1-32					.25 .15	NO NO		 9	
A 16B	1		P2-32 SHLD A16					.15 .25	NO NO		9	
A 16L			P1-31 P2-31					.15 .15	NO NO		9 9	
A 16R			P1-15 P2-15					.15 .15	NO NO		9 9	
A 17	2				3.80 3.80	3.50 3.50				A,6B A,6B	7, 8 7, 8	
A 17A	1		SHLD A17 P1-38					.25 .15	NO NO		 9	
A 17B	1		P2-38 SHLD A17					.15 .25	NO NO		9	
A 17L			P1-62 P2-62					.15 .15	NO NO		9 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900588
SCALE - NONE | REV LTR | SHEET 11 OF 16

CABLE ASSEMBLY W134 2900588 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17R			P1-63 P2-63					.15 .15	NO NO		9 9	
A 18	2				3.80 3.80	3.50 3.50				6,7 6,7	8 8	
A 18L			P1-56 P2-56					.15 .15	NO NO		9 9	
A 18R			P1-61 P2-61					.15 .15	NO NO		9 9	
A 19	2				3.80 3.80	3.50 3.50				6,7 6,7	8 8	
A 19L			P1-1 P2-1					.15 .15	NO NO		9 9	
A 19R			P1-2 P2-2					.15 .15	NO NO		9 9	
A 20	2				3.80 3.80	3.50 3.50				6,7 6,7	8 8	
A 20L			P1-4 P2-4					.15 .15	NO NO		9 9	
A 20R			P1-3 P2-3					.15 .15	NO NO		9 9	
A 21	2				4.30 4.30	4.00 4.00				6,7 6,7	8 8	
A 21L			P1-6 P2-6					.15 .15	NO NO		9 9	

SIZE A | CODE IDENT NO. 99974 | 2900588
SCALE-NONE | REV LTR B | SHEET 12 OF 16

CABLE ASSEMBLY W134 2900588 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21R			P1-5 P2-5					.15 .15	NO NO		9 9	
A 22	2				4.30 4.30	4.00 4.00				A,6B A,6B	7, 8 7, 8	
A 22A	1		SHLD A22 P1-36					.25 .15	NO NO		 9	
A 22B	1		P2-36 SHLD A22					.15 .25	NO NO		9	
A 22L			P1-35 P2-35					.15 .15	NO NO		9 9	
A 22R			P1-18 P2-18					.15 .15	NO NO		9 9	
A 23	2				4.30 4.30	4.00 4.00				A,6B A,6B	7, 8 7, 8	
A 23A	1		SHLD A23 P1-20					.25 .15	NO NO		 9	
A 23B	1		P2-20 SHLD A23					.15 .25	NO NO		9	
A 23L			P1-37 P2-37					.15 .15	NO NO		9 9	
A 23R			P1-19 P2-19					.15 .15	NO NO		9 9	
A 24	2				4.30 4.30	4.00 4.00				6,7 A,6B	8 7, 8	

SIZE A | CODE IDENT NO. 99974 | 2900588
SCALE-NONE | REV LTR B | SHEET 13 OF 16

CABLE ASSEMBLY W134 2900588 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24B	1		P2-75					.15	NO		9	
			SHLD A24					.25	NO			
A 24L			P1-61					.15	NO		9	
			P2-61					.15	NO		9	
A 24R			P1-85					.15	NO		9	
			P2-85					.15	NO		9	
A 25	2				4.30	4.00				B,7	6	
					4.30	4.00				A,6B	7, 8	
A 25B	1		P2-74					.15	NO		9	
			SHLD A25					.25	NO			
A 25L			P1-59					.15	NO		9	
			P2-59					.15	NO		9	
A 25R			P1-84					.15	NO		9	
			P2-84					.15	NO		9	
A 26	2				4.80	4.50				B,7	8	
					4.80	4.50				A,6B	7, 8	
A 26B	1		P2-73					.15	NO		9	
			SHLD A26					.25	NO			
A 26L			P1-58					.15	NO		9	
			P2-58					.15	NO		9	
A 26R			P1-82					.15	NO		9	
			P2-82					.15	NO		9	
A 27	2				4.80	4.50				B,7	8	
					4.80	4.50				B,7	8	

SIZE A | CODE IDENT NO. 99974 | 2900588

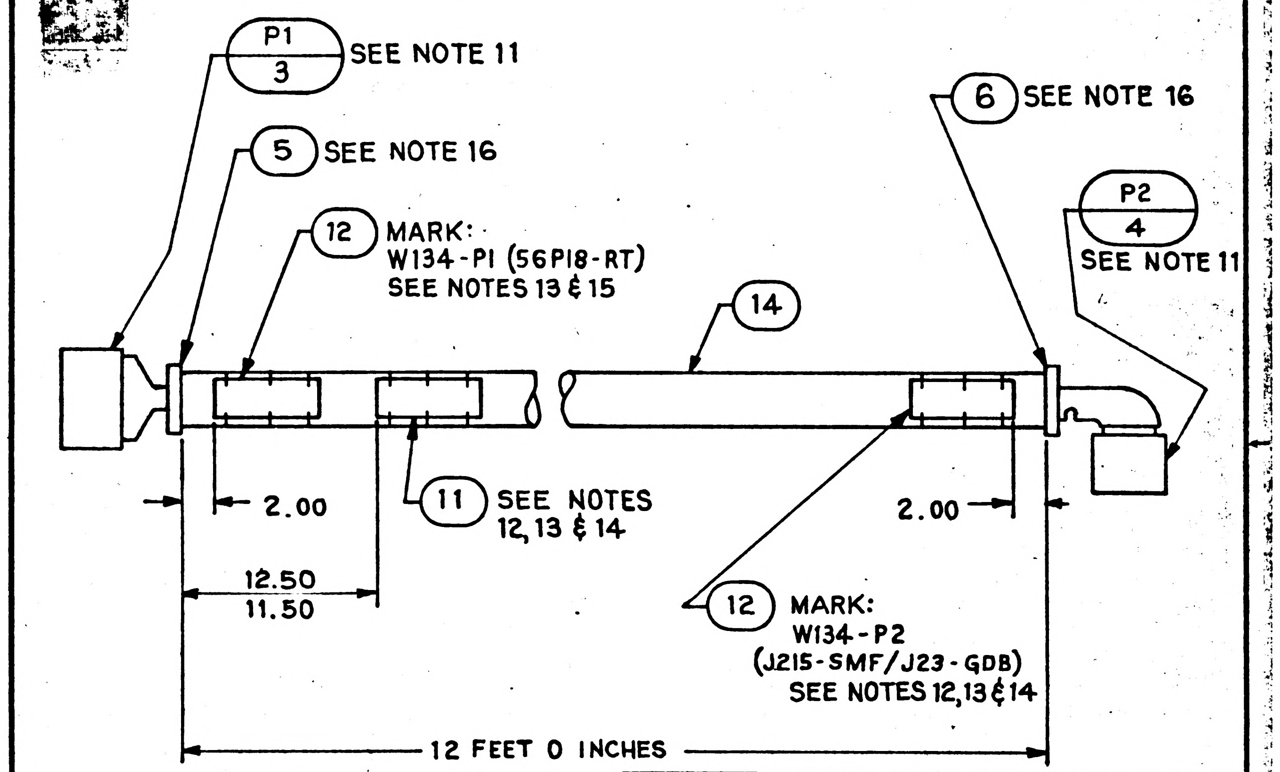
SCALE-NONE | REV LTR B | SHEET 14 OF 16

CABLE ASSEMBLY W134 2900588 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27L			P1-6					.15	NO		9	
			P2-6					.15	NO		9	
A 27R			P1-7					.15	NO		9	
			P2-7					.15	NO		9	
A 28	2				4.80	4.50				B,7	8	
					4.80	4.50				B,7	8	
A 28L			P1-28					.15	NO		9	
			P2-28					.15	NO		9	
A 28R			P1-49					.15	NO		9	
			P2-49					.15	NO		9	
A 29	1		P1-50					.15	NO		9	
			P2-50					.15	NO		9	
A 30	2				4.80	4.50				B,7	8	
					4.80	4.50				B,7	8	
A 30L			P1-34					.15	NO		9	
			P2-34					.15	NO		9	
A 30R			P1-57					.15	NO		9	
			P2-57					.15	NO		9	

SIZE A | CODE IDENT NO. 99974 | 2900588

SCALE-NONE | REV LTR B | SHEET 15 OF 16


P1
3
SEE NOTE 11
5
SEE NOTE 16
12
MARK:
W134-P1 (56P18-RT)
SEE NOTES 13 & 15
14
6
SEE NOTE 16
P2
4
SEE NOTE 11
2.00
11
SEE NOTES
12, 13 & 14
2.00
12.50
11.50
12
MARK:
W134-P2
(J215-SMF/J23-GDB)
SEE NOTES 12, 13 & 14
12 FEET 0 INCHES

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A | 2900588

SCALE-NONE | REV LTR B | SHEET 16 OF 16

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R.

Charleston

REV STATUS	REV		A	A	A	A	A	A	A	A
OF SHEETS	SHEET		1	2	3	4	5	6	7	8

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Janowiak DATE 6 JUN 65
CHECKED Wilson 9 JUN 65
APPROVAL R Pierini 9 JUN 65
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W145

CODE IDENT NO.	SIZE		REV
99974	A	2900589	A

SCALE NONE

SHEET 1 OF 8

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
5	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
6	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	ITEMS 5, 8 AND 9 FURNISHED WITH ITEMS 2 AND 3
9	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER.
10	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
11	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
12	SECURE TO CABLE USING ITEM 11, MARKING TO READ AWAY FROM CONNECTOR.
13	SERIALIZE PER ND1002023.
14	MARK IDENTIFICATION BANDS AS NOTE ON DRAWING, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS
SIZE A
2900589
SCALE-NONE REV LTR /A SHEET 2 OF 8

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE WIRE OR CABLE	STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+ .06-.00	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+ .50-.00	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+1.00-.00		+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET	+2.00-.00				

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS
SIZE A
2900589
SCALE-NONE REV LTR /A SHEET 3 OF 8

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900589-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 20AWG, WHT/BLU, WHT/RED 261 FT. TOTAL LENGTH
	2	1	MS3126F-16-26P	(1897041-260)CONNECTOR PLUG
	3	1	MS3126F-16-26S	(1897042-260) CONNESTOR PLUG
7	4	22	1010490-226	INSULATION SLEEVING
8	5		1016282- 16	RUBBER GROMMET
7	6	2	1016128-041	BAND, IDENTIFICATION
7	7	1	1016128-011	BAND, IDENTIFICATION
8	8		MS3192A-20A	(1896855-020)CONTACT PINS
8	9		MS3193A-20A	(1896877-020)CONTACT SOCKETS
	10	AR	1901390	FILLER TAPE
	11	AR	MIL-T-713	LACING TAPE,TYPE P,CLASS 2,BLACK,(ES2732 NO.18)
	12	1	2900589-002	ZIPPER TUBING PER ND1002155, TYPE I, GRAY .875 DIA., 25 FT TOTAL LENGTH.

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS
SIZE A
2900589
SCALE-NONE REV LTR /A SHEET 4 OF 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.30 2.30	2.00 2.00				B,7 B,7	4 4	
A	1L		P1-A P2-A					.22 .22	NO NO		8 9	
A	1R		P1-P P2-P					.22 .22	NO NO		8 9	
A	2	1			2.30 2.30	2.00 2.00				B,7 B,7	4 4	
A	2L		P1-R P2-R					.22 .22	NO NO		8 9	
A	2R		P1-S P2-S					.22 .22	NO NO		8 9	
A	3	1			2.30 2.30	2.00 2.00				B,7 B,7	4 4	
A	3L		P1-B P2-B					.22 .22	NO NO		8 9	
A	3R		P1-N P2-N					.22 .22	NO NO		8 9	
A	4	1			2.30 2.30	2.00 2.00				B,7 B,7	4 4	
A	4L		P1-T P2-T					.22 .22	NO NO		8 9	
A	4R		P1-U P2-U					.22 .22	NO NO		8 9	

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS
SIZE A
2900589
SCALE-NONE REV LTR /A SHEET 5 OF 8

CABLE ASSEMBLY W145 2900589 ≠A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 5	1				2.30 2.30	2.00 2.00				B,7 B,7	4 4	
A 5L			P1-X P2-X					.22 .22	NO NO		8 9	
A 5R			P1-Y P2-Y					.22 .22	NO NO		8 9	
A 6	1				2.80 2.80	2.50 2.50				B,7 B,7	4 4	
A 6L			P1-D P2-D					.22 .22	NO NO		8 9	
A 6R			P1-L P2-L					.22 .22	NO NO		8 9	
A 7	1				2.80 2.80	2.50 2.50				B,7 B,7	4 4	
A 7L			P1-E P2-E					.22 .22	NO NO		8 9	
A 7R			P1-K P2-K					.22 .22	NO NO		8 9	
A 8	1				2.80 2.80	2.50 2.50				B,7 B,7	4 4	
A 8L			P1-V P2-V					.22 .22	NO NO		8 9	
A 8R			P1-W P2-W					.22 .22	NO NO		8 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900589
SCALE-NONE | REV LTR ≠A | SHEET 6 OF 8

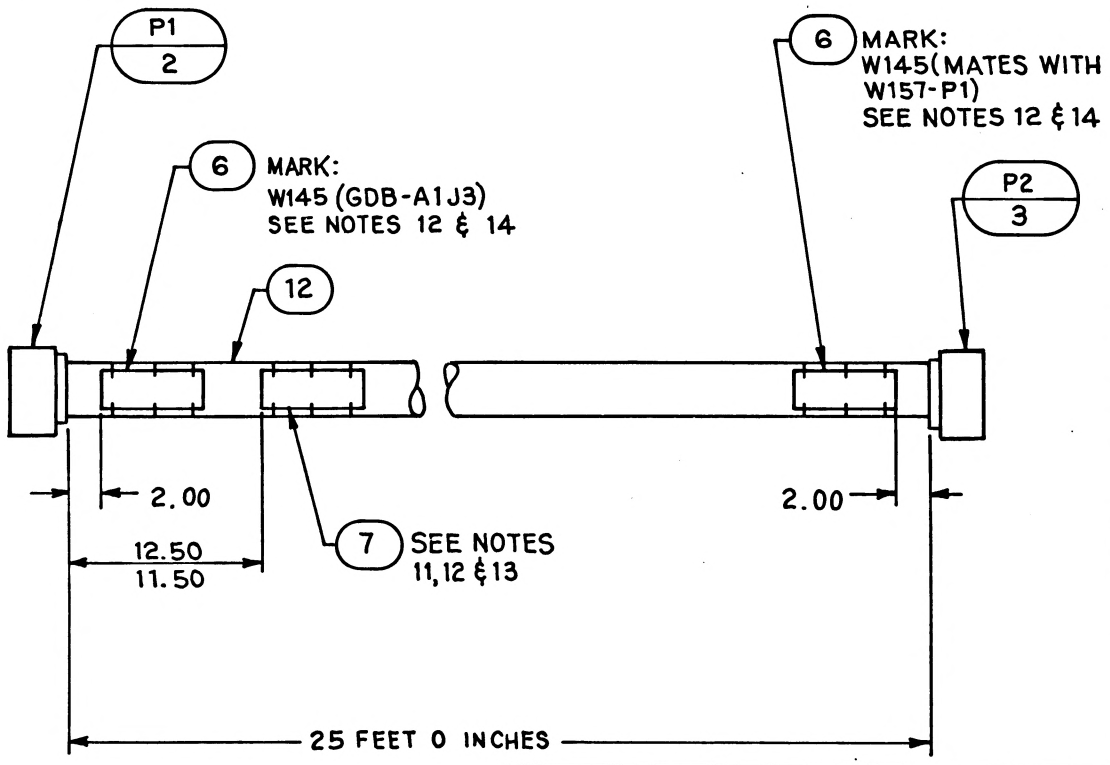
MIL 2084 4-63

CABLE ASSEMBLY W145 2900589 ≠A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 9	1				2.80 2.80	2.50 2.50				B,7 B,7	4 4	
A 9L			P1-C P2-C					.22 .22	NO NO		8 9	
A 9R			P1-M P2-M					.22 .22	NO NO		8 9	
A 10	1				2.80 2.80	2.50 2.50				B,7 E,7	4 4	
A 10L			P1-Z P2-Z					.22 .22	NO NO		8 9	
A 10R			P1-A* P2-A*					.22 .22	NO NO		8 9	
A 11	1				3.30 3.30	3.00 3.00				B,7 B,7	4 4	
A 11L			P1-F P2-F					.22 .22	NO NO		8 9	
A 11R			P1-J P2-J					.22 .22	NO NO		8 9	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900589
SCALE-NONE | REV LTR ≠A | SHEET 7 OF 8

MIL 2084 4-63



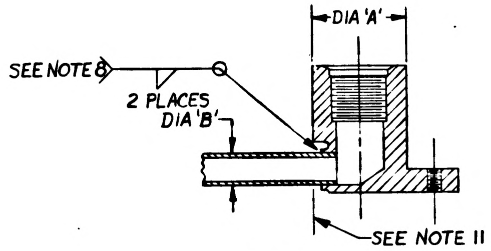
P1
2
6
MARK:
W145 (GDB-A1J3)
SEE NOTES 12 & 14
12
6
MARK:
W145(MATES WITH W157-P1)
SEE NOTES 12 & 14
P2
3
2.00
12.50
11.50
7
SEE NOTES 11,12 & 13
2.00
25 FEET 0 INCHES

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900589
SCALE-NONE | REV LTR A | SHEET 8 OF 8

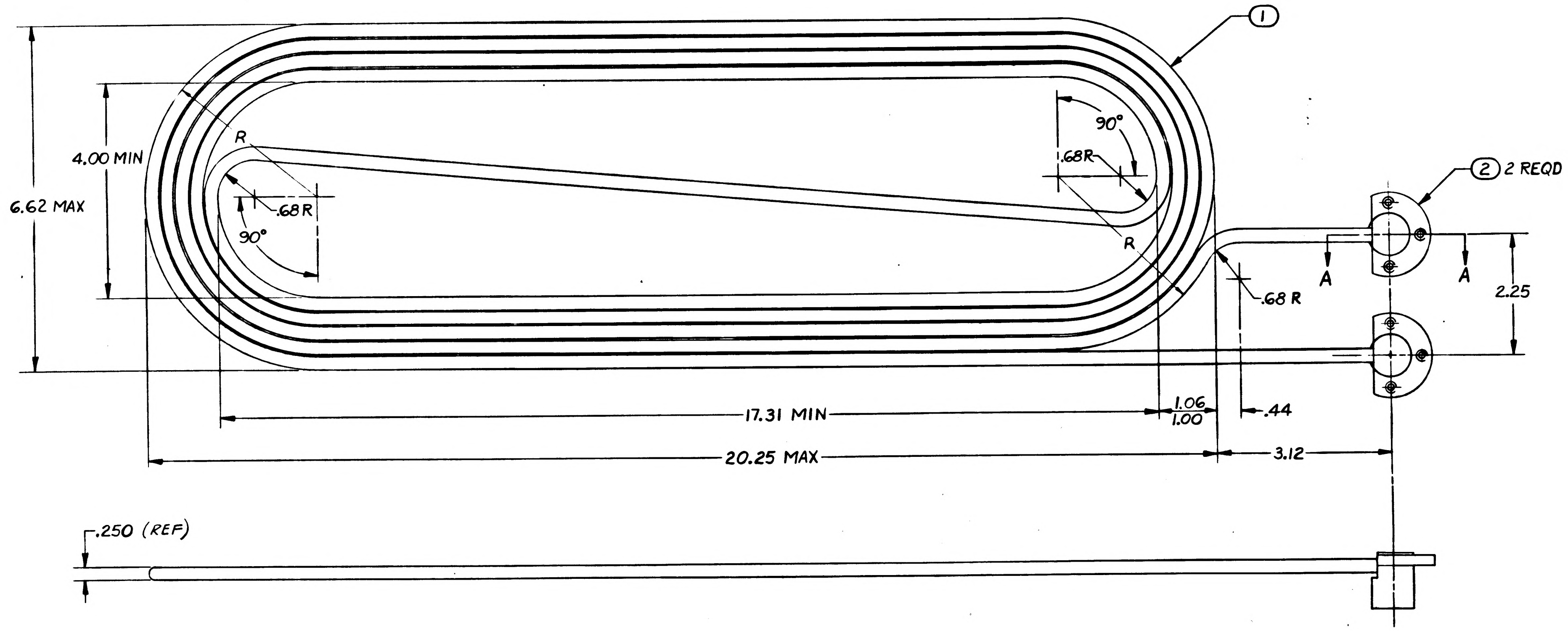
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: MIL-T-8506, TYPE I, COND A, TYPE 304 SEAMLESS SST TUBING .250 X .035 WALL THICKNESS (ES 376 TYPE 304).
3. FINISH: MIL-F-14072 (SIG-C) FINISH E300 (ES585 PASSIVATE).
4. MUST BE FREE FROM BURRS.
5. TRANSITION FROM STRAIGHT TO CURVED SECTIONS TO BE SMOOTH.
6. TUBING HEIGHT (.250 REF) AT BENDS MUST NOT EXCEED NOMINAL BY MORE THAN .002.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. WELD PER MIL-W-8611. POLISH ITEM ① TO FIT IF REQUIRED.
9. NO PRESSURE DECAY SHALL BE EVIDENCED WHEN UNIT IS SUBJECTED TO AN INTERNAL PRESSURE OF 100 PSIG FOR ONE HOUR USING DRY AIR OR INERT GAS.
10. ASSEMBLY SHALL BE FREE FROM FOREIGN MATERIAL AND THE ENDS SUITABLY COVERED TO PREVENT INTERNAL CONTAMINATION. ENTIRE BORE OF TUBE TO PERMIT PASSAGE OF A .156 DIA SST BALL.
11. FILLET WELD SHALL NOT EXTEND BEYOND THE POINT WHERE DIAMETERS 'A' AND 'B' INTERSECT.
12. DIMENSIONS SHOWN ARE WITH COIL CONSTRAINED.

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REPLACES REV.(-) WITH CHG PER MXC 204647		10 SEP 65	J.H.P. / AL
B		REVISED PER MXC 205200		23 SEP 65	J.H.P. / EF
C		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	PT / Cw



PARTIAL SECTION A-A
SCALE: 2/1



SEE NOTE 2

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	2	2900594	ADAPTER
1	1	2900595-001	COIL, COOLING, 19 FT. LG

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900597-011	6900007-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — - DECIMALS ±.02 ±.005 ANGLES + 1° -
DO NOT SCALE THIS DRAWING
REFERENCE - ACSK ONLY
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Weissert DATE 8-JULY 65
CHECKED D. Fox 30 AUG 65
APPROVAL 30 Aug 65
APPROVAL 9-30-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COIL, COOLING
(INSEPARABLE ASSEMBLY)
LEM, PSA

CODE IDENT NO. 99974
SIZE E
2900595
SCALE FULL
SHEET 1 OF 1

Charleston 30 AUG 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T-6 (ES2106 AL ALY 6061).
3. FINISH: MIL-C-5541 (ES 591 CHEMICAL TREATMENT).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015 R OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 63/.
6. ~~COAT ITEM ② WITH ITEM ③ &~~ INSTALL PER MS33646. ~~REMOVE DRIVING TANGS.~~
7. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
9. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
10. HOLE NUMBERS & LETTERS ARE FOR MANUFACTURING REFERENCE.
11. STEP HEIGHTS, RESULTING FROM MACHINING OPERATIONS, SHALL NOT EXCEED .001 INCH.

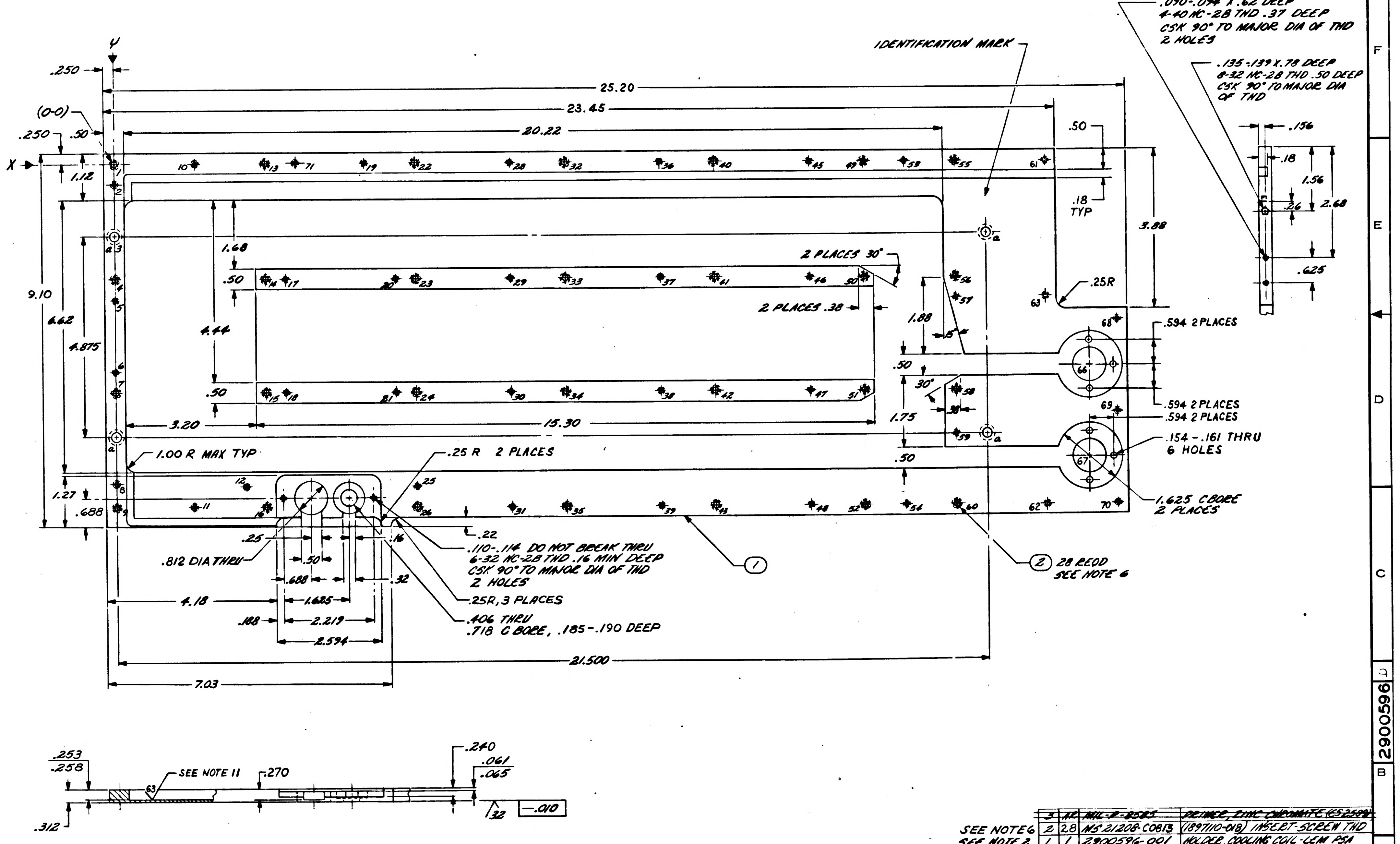
HOLE	QTY	DESCRIPTION
a	4	.219-.227 THRU .344 C BORE .250 DEEP FAR SIDE
b	36	.110-.114 DIA-DO NOT BREAK THRU 6-32 NC-2B THD .22 MIN DEEP CSK 90° TO .160 DIA
~~c~~	~~4~~	~~.090-.094 DIA-DO NOT BREAK THRU 4-40 NC-2B THD .22 MIN DEEP CSK 90° TO MAJOR DIA OF THD~~
c	28	.170-.176 THRU, C'SK 120° TO .200-.230 FAR SIDE, TAP CLASS 2B THD FOR 8-32 NF HELICOIL (SEE NOTE 6)

REVISIONS 23388

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC203757		9 65	
B		REVISED PER MXC 204243		7 SEP 65	A.N.
C		REVISED PER MXC 206004		16 OCT 65	R.W.T.
D		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	WEB

COORDINATE DIMENSIONS

HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	SEE NOTE 6 AND HOLE c
2	.000	.500	SEE HOLE b
3	.000	1.750	SEE HOLE a
4	.000	2.812	SEE NOTE 6 AND HOLE c
5	.000	3.312	SEE HOLE b
6	.000	5.062	SEE HOLE b
7	.000	5.562	SEE NOTE 6 AND HOLE c
8	.000	7.875	SEE HOLE b
9	.000	8.375	SEE NOTE 6 AND HOLE c
10	2.125	.000	SEE HOLE b
11	2.125	8.375	SEE HOLE b
12	3.200	7.875	SEE HOLE b
13	3.700	.000	SEE NOTE 6 AND HOLE c
14	3.700	2.812	SEE NOTE 6 AND HOLE c
15	3.700	5.562	SEE NOTE 6 AND HOLE c
16	3.700	8.375	SEE NOTE 6 AND HOLE c
17	4.200	2.812	SEE HOLE b
18	4.200	5.562	SEE HOLE b
19	6.150	.000	SEE HOLE b
20	6.900	2.812	SEE HOLE b
21	6.900	5.562	SEE HOLE b
22	7.400	.000	SEE NOTE 6 AND HOLE c
23	7.400	2.812	SEE NOTE 6 AND HOLE c
24	7.400	5.562	SEE NOTE 6 AND HOLE c
25	7.400	7.875	SEE HOLE b
26	7.400	8.375	SEE NOTE 6 AND HOLE c
~~27~~	~~7.900~~	~~8.438~~	~~SEE HOLE c~~
28	9.750	.000	SEE HOLE b
29	9.750	2.812	SEE HOLE b
30	9.750	5.562	SEE HOLE b
31	9.750	8.375	SEE HOLE b
32	11.100	.000	SEE NOTE 6 AND HOLE c
33	11.100	2.812	SEE NOTE 6 AND HOLE c
34	11.100	5.562	SEE NOTE 6 AND HOLE c
35	11.100	8.375	SEE NOTE 6 AND HOLE c
36	13.450	.000	SEE HOLE b
37	13.450	2.812	SEE HOLE b
38	13.450	5.562	SEE HOLE b
39	13.450	8.375	SEE HOLE b
40	14.800	.000	SEE NOTE 6 AND HOLE c
41	14.800	2.812	SEE NOTE 6 AND HOLE c
42	14.800	5.562	SEE NOTE 6 AND HOLE c
43	14.800	8.375	SEE NOTE 6 AND HOLE c
~~44~~	~~15.300~~	~~8.438~~	~~SEE HOLE c~~
45	17.150	.000	SEE HOLE b
46	17.150	2.812	SEE HOLE b
47	17.150	5.562	SEE HOLE b
48	17.150	8.375	SEE HOLE b
49	18.500	.000	SEE NOTE 6 AND HOLE c
50	18.500	2.812	SEE NOTE 6 AND HOLE c
51	18.500	5.562	SEE NOTE 6 AND HOLE c
52	18.500	8.375	SEE NOTE 6 AND HOLE c
53	19.500	.000	SEE HOLE b
54	19.500	8.375	SEE HOLE b
55	20.750	.000	SEE NOTE 6 AND HOLE c
56	20.750	2.812	SEE NOTE 6 AND HOLE c
57	20.750	3.312	SEE HOLE b
58	20.750	5.562	SEE NOTE 6 AND HOLE c
59	20.750	6.625	SEE HOLE b
60	20.750	8.375	SEE NOTE 6 AND HOLE c
61	22.950	.000	SEE HOLE b
62	22.950	8.375	SEE HOLE b
63	22.950	3.312	SEE HOLE b
~~64~~	~~23.125~~	~~3.875~~	~~SEE HOLE c~~
~~65~~	~~23.125~~	~~8.375~~	~~SEE HOLE c~~
66	24.013	5.000	.812 THRU
67	24.013	7.250	.812 THRU
68	24.700	3.875	SEE HOLE b
69	24.700	6.125	SEE HOLE b
70	24.700	8.375	SEE HOLE b
71	4.200	.000	SEE HOLE b


Y
X
(0-0)
.250
.250
.50
25.20
23.45
20.22
1.12
9.10
6.62
4.875
4.44
1.68
.50
.50
1.27
.688
3.20
15.30
2 PLACES 30°
2 PLACES .38
IDENTIFICATION MARK
.50
.18 TYP
3.88
.25R
1.88
15°
30°
.38
1.75
.50
.50
.594 2 PLACES
.594 2 PLACES
.594 2 PLACES
.154 - .161 THRU 6 HOLES
1.625 CBORE 2 PLACES
.090-.094 X .62 DEEP 4-40 NC-2B THD .37 DEEP CSK 90° TO MAJOR DIA OF THD 2 HOLES
.135-.139 X .78 DEEP 8-32 NC-2B THD .50 DEEP CSK 90° TO MAJOR DIA OF THD
.156
.18
1.56
.26
2.68
.625
1.00 R MAX TYP
.25 R 2 PLACES
.22
.110-.114 DO NOT BREAK THRU 6-32 NC-2B THD .16 MIN DEEP CSK 90° TO MAJOR DIA OF THD 2 HOLES
.25R, 3 PLACES
.406 THRU .718 C BORE, .185-.190 DEEP
.25
.16
.812 DIA THRU
.50
.688
.32
4.18
1.625
.188
2.219
2.594
21.500
7.03
1
2 28 REQD SEE NOTE 6
a
.253
.258
.312
SEE NOTE 11
63
.270
.240
.061
.065
32
—.010

	~~3~~	~~AR~~	~~MIL-P-8585~~	~~PRIMER, ZINC CHROMATE (ES2589)~~
SEE NOTE 6	2	28	MS21208-C0813	(1897110-018) INSERT-SCREW THD
SEE NOTE 2	1	1	2900596-001	HOLDER, COOLING COIL-LEM PSA
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900597-011	6900007-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.02 ±.005 ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 9 JULY 65 DATE
CHECKED 20 JUL 65
APPROVAL P.O. Malloy 20 JUL 65
APPROVAL 9-30-65
NASA APPROVAL
MIT APPROVAL W 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL -
LEM PSA
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900596
SCALE FULL
SHEET 1 OF 1

2900596 D

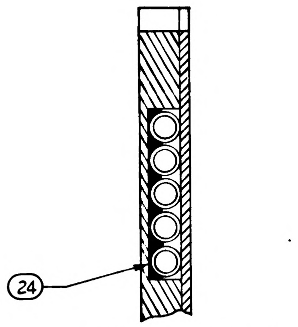
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130(ES267).
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING, ITEM ⑮ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑩ AND ⑪, OR ITEM ⑫.
6. WIRE PER ND1002032.
7. APPLY ITEM ㉔ BETWEEN ITEM ② AND ITEM ① ALONG ENTIRE LENGTH OF COIL EXCEPT WITHIN ONE INCH OF ADAPTERS (P/N 2900594) ON ITEM ②.

TABLE I

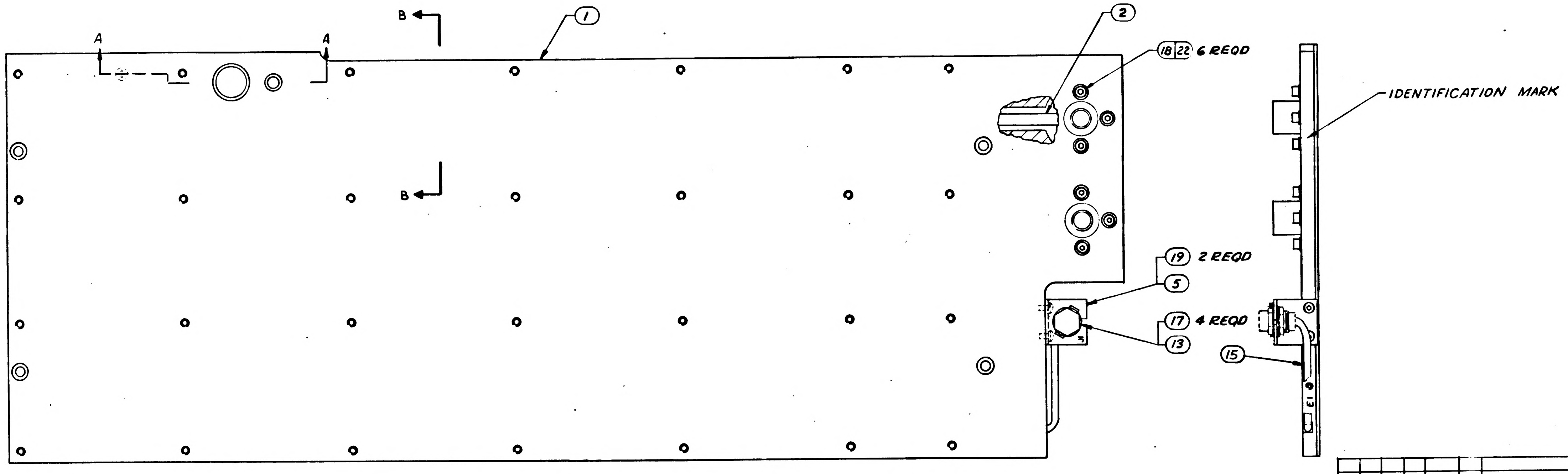
LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	40.25	RT-1	J1-D	.20	YES
GREEN	40.25	RT-1	J1-E	.20	YES

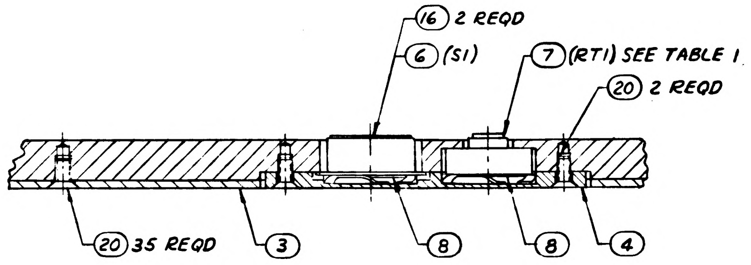
REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 203758		7 AUG 65	[illegible]
B		REVISED PER MXC 203953		17 AUG 65	[illegible]
C		REVISED PER MXC 204055		23 AUG 65	[illegible] JAC
D		REVISED PER MXC 204244		27 AUG 65	[illegible]
E		REVISED PER MXC 204567		2 SEP 65	[illegible]
F		REVISED PER MXC 205470		5 OCT 65	[illegible]
G		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	[illegible]



PARTIAL SECTION B-B





PARTIAL SECTION AA
SCALE 2/1

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	AR		24	1006879	SILICONE COMPOUND
	1		23	2900369	WIRE LIST AA
	6		22	MS15795-805	WASHER, FLAT
			21		
SEE NOTE 3	37		20	1010477-24	SCREW, FLAT HD 100°
	2		19	1010618-15	SCREW, BUTTON HD
	6		18	1001488-17	SCREW, HEX SOCKET HD
	4		17	1015864-083	INSULATION, SLEEVING, ELEC
	2		16	1015865-416	INSULATION, SLEEVING, ELEC
	1		15	1015865-996	INSULATION, SLEEVING, ELEC, 3.75 LG
			14		
SEE NOTE 3	1		13	1897278-001	CONNECTOR, RECEPTACLE, ELEC
	AR		12	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
	AR		11	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	AR		10	SN60WS	SOLDER QQ-S-571 (ES2175-1,
			9		
SEE NOTE 3	2		8	1897269-004	WASHER SPRING TENSION
	1		7	1897284	RESISTOR, THERMAL-BUTTON
SEE NOTE 3	1		6	1897270-003	SWITCH THERMOSTATIC
	1		5	2900361	BRACKET, CONNECTOR
	1		4	2900359	COVER, RESISTOR-SWITCH
	1		3	2900626	COVER, HOLDER, COOLING COIL
	1		2	2900595	COOLING COIL (INSEP ASSY)
	1		1	2900596	HOLDER, COOLING COIL (INSEP ASSY)

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900007-011	6900007-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 9 JUL 65
CHECKED [illegible] 20 JUL 65
APPROVAL [illegible] 20 JUL 65
APPROVAL [illegible] 9-30-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE
LEM PSA

CODE IDENT NO. 99974
SIZE E
2900597
SCALE 1/1
SHEET

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130(ES267).
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING, ITEM ⑮ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
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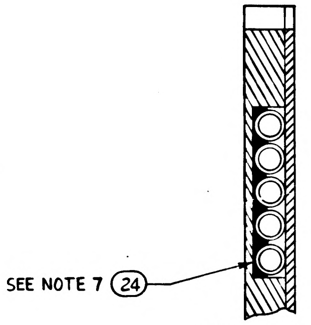
TABLE 1

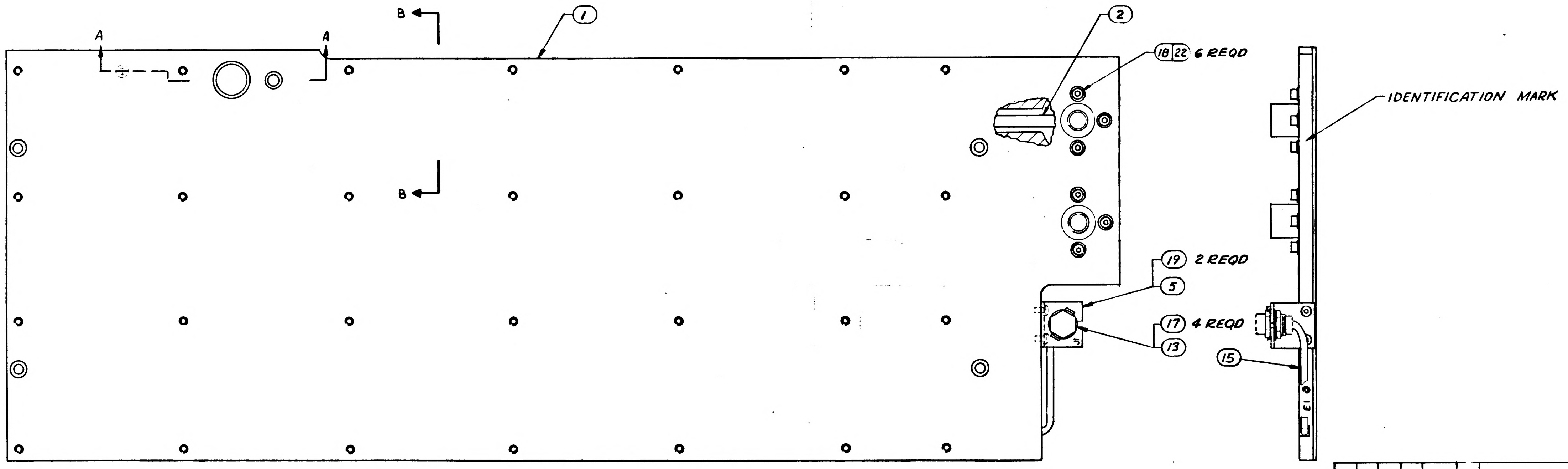
LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	40.25	RT-1	J1-D	.20	YES
GREEN	40.25	RT-1	J1-E	.20	YES

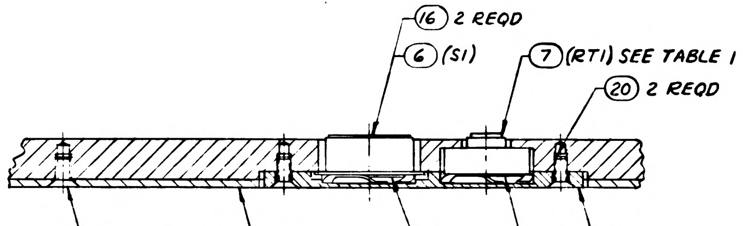
REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 203758		7 AUG 65	EM RWM
B		REVISED PER MXC 203953		17 AUG 65	WD
C		REVISED PER MXC 204055		23 AUG 65	JAC
D		REVISED PER MXC 204244		27 AUG 65	
E		REVISED PER MXC 20456?		2 SEP 65	
F		REVISED PER MXC 2054?0		5 OCT 65	
G		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	
H		REVISED PER TDRR 24721		20 DEC 65	



PARTIAL SECTION B-B





PARTIAL SECTION AA
SCALE 2/1

SEE NOTE 3
SEE NOTE 3
SEE NOTE 3
SEE NOTE 3

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			AR		24	1006879	SILICONE COMPOUND
			1		23	2900369	WIRE LIST AA
			6		22	MS15795-805	WASHER, FLAT
					21		
			38		20	1010477-24	SCREW, FLAT HD 100°
			2		19	1010618-15	SCREW, BUTTON HD
			6		18	1001488-17	SCREW, HEX SOCKET HD
			4		17	1015864-083	INSULATION, SLEEVING, ELEC
			2		16	1015865-416	INSULATION, SLEEVING, ELEC
			1		15	1015865-996	INSULATION, SLEEVING, ELEC, 3.75 LG
					14		
			1		13	1897278-001	CONNECTOR, RECEPTACLE, ELEC
			AR		12	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR		11	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR		10	SN60WS	SOLDER QQ-S-571 (ES2175-1
					9		
			2		8	1897269-004	WASHER, SPRING TENSION
			1		7	1897284	RESISTOR, THERMAL-BUTTON
			1		6	1897270-003	SWITCH THERMOSTATIC
			1		5	2900361	BRACKET, CONNECTOR
			1		4	2900359	COVER, RESISTOR-SWITCH
			1		3	2900626	COVER, HOLDER, COOLING COIL
			1		2	2900595	COOLING COIL (INSEP ASSY)
			1		1	2900596	HOLDER, COOLING COIL, (INSEP ASSY
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900007-011	6900007-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 9 JUL 65
CHECKED 20 JUL 65
APPROVAL 20 JUL 65
APPROVAL 9-30-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE
LEM PSA

CODE IDENT NO. 99974
SIZE E
2900597
SCALE 1/1
SHEET

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 207370	9 DEC 65	RLP JAC
B	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP

16 JUL 65

REV	B	B	B	B	
SHEET	22	23	24	25	

REV STATUS OF SHEETS																						
REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN Schwabe DATE 7 JUL 65
CHECKED Fowler 16 JUL 65
APPROVAL C W Weis 19 JUL 65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL, BRANCHED
W151

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900600
REV B

CONTRACT NAS9-497
SCALE NONE
SHEET 1 OF 25

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET (OR CLAMP) USING ITEM 20.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019, .12 HIGH

7 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

8 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

9 ITEMS 16 AND 17 SUPPLIED WITH ITEMS 6 AND 7, ITEM 11 FURNISHED WITH ITEMS 8, 9 AND 10.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
Y - WHITE WITH YELLOW TRACER.

11 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

12 DELETED

SIZE A	CODE IDENT NO. 99974	2900600
SCALE-NONE	REV LTR ~~A~~ B	SHEET 2 OF 25

NOTE NUMBER — GENERAL NOTES DESCRIPTION

13 SECURE TO CABLE USING ITEM 21, MARKING TO READ AWAY FROM CONNECTORS

14 SERIALIZE PER ND1002023

15 MARK IDENTIFICATION BANDS AS NOTED ON DWG, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

16 ASSEMBLE PER ND 1002032

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	TOLERANCE STRIP JACKET	TOLERANCE CUT WIRE	TOLERANCE CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

SIZE A	CODE IDENT NO. 99974	2900600
SCALE-NONE	REV LTR ~~A~~ B	SHEET 3 OF 25

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900600-001	WIRE, ND1002181, CLASS 1, TYPE 1, 20 AWG, WHITE, 7 FT. TOTAL LENGTH
	2	1	2900600-002	WIRE, ND1002181, CLASS 1, TYPE 1, 22 AWG, WHITE, 14 FT. TOTAL LENGTH.
	3	1	2900600-003	WIRE, ND1002181, CLASS 4, TYPE 2, WHITE JACKET, 22 AWG,WHT/BLU, WHT/RED, 134 FT, TOTAL LENGTH.
	4	1	2900600-004	WIRE, ND1002181, CLASS 4, TYPE 3, WHITE JACKET, 22 AWG,WHT/BLU,WHT/RED,WHT/YEL, 12FT,TOTAL LENGTH
	5	1	2900600-005	ZIPPER TUBING PER ND1002155, TYPE 1, GRAY, 1.00 INCH DIA, 12INCH, TOTAL LENGTH.
	6	1	MS3126F24-61PY	(1897047-613) CONNECTOR - PLUG ELECTRICAL
	7	1	MS3126F24-61PZ	(1897047-614) CONNECTOR - PLUG ELECTRICAL
8	8	1	1897207-207	CONNECTOR, PLUG ELECTRICAL
8	9	1	1897207-201	CONNECTOR, PLUG ELECTRICAL
8	10	1	1897249-017	CONNECTOR, PLUG ELECTRICAL
9	11	X	1897190-002	CONTACT, ELECTRICAL (SOCKET)
	12		1010958- 1	DELETED
8	13	1	1010933-200	CLAMP, CABLE RIGHT ANGLE
8	14	1	1010933-204	CLAMP, CABLE RIGHT ANGLE
8	15	1	1010933-205	CLAMP, CABLE RIGHT ANGLE

SIZE A	CODE IDENT NO. 99974	2900600
SCALE-NONE	REV LTR ~~A~~ B	SHEET 4 OF 25

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	16	2	1016282- 24	GROMMET, CONNECTOR STRAIN RELIEF
9	17	110	MS3192A-20A	(1896855-020) CONTACT PIN
8	18	1	1016128-011	BAND-IDENTIFICATION BLANK
8	19	5	1016128-041	BAND-IDENTIFICATION BLANK
	20	AR	1901390	TAPE, CONNECTOR CLAMP FILLER
	21	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, WAXED, BLACK (ES2732 NO. 18)
8	22	4	1010763- 3	SOLDER SLEEVE
8	23	45	1010763- 2	SOLDER SLEEVE
8	24	2	1010763- 1	SOLDER SLEEVE
8	25	103	1010490-228	INSULATION, SLEEVING
	26		1010490-226	DELETED
8	27	6	1010490-258	INSULATION, SLEEVING
8	28	3	1016006-001	SPLICE REDUCER
8	29	6	1016006-002	SPLICE REDUCER

SIZE A	CODE IDENT NO. 99974	2900600
SCALE-NONE	REV LTR ~~A~~ B	SHEET 5 OF 25

CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	3			2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	1A	2	SHLD A1 E1-B					.25 .25	NO NO			
A	1L		P4-K P1-9					.22 .15	NO NO		17 11	
A	1R		P4-L P1-10					.22 .15	NO NO		17 11	
A	2	3			2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	2A	2	SHLD A2 E1-B					.25 .25	NO NO			
A	2L		P4-M P1-12					.22 .15	NO NO		17 11	
A	2R		P4-N P1-13					.22 .15	NO NO		17 11	
A	3	3			2.30 2.30	2.00 2.00				A,6B B,7	25, 23 25	
A	3A	2	SHLD A3 P4-M*					.25 .22	NO NO		 17	
A	3L		P4-P P1-18					.22 .15	NO NO		17 11	
A	3R		P4-R P1-19					.22 .15	NO NO		17 11	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900600
SCALE-NONE REV LTR B SHEET 6 OF 25

MIL 2084 4-63

CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	3			2.30 2.30	2.00 2.00				A,6B A,6B	25, 23 25, 23	
A	4A	2	SHLD A4 P4-A*					.25 .22	NO NO		 17	
A	4B	2	P1-35 SHLD A4					.15 .25	NO NO		11	
A	4L		P4-C* P1-34					.22 .15	NO NO		17 11	
A	4R		P4-B* P1-33					.22 .15	NO NO		17 11	
A	5	3			2.30 2.30	2.00 2.00				A,6B A,6B	25, 23 25, 23	
A	5A	2	SHLD A5 P4-P*					.25 .22	NO NO		 17	
A	5B	2	P1-37 SHLD A5					.15 .25	NO NO		11	
A	5L		P4-E* P1-39					.22 .15	NO NO		17 11	
A	5R		P4-D* P1-38					.22 .15	NO NO		17 11	
A	6	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	6A	2	SHLD A6 E2-B					.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900600
SCALE-NONE REV LTR B SHEET 7 OF 25

MIL 2084 4-63

CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P4-T P1-22					.22 .15	NO NO		17 11	
A	6R		P4-S P1-21					.22 .15	NO NO		17 11	
A	7	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	7A	2	SHLD A7 E2-B					.25 .25	NO NO			
A	7L		P4-V P1-25					.22 .15	NO NO		17 11	
A	7R		P4-U P1-24					.22 .15	NO NO		17 11	
A	8	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	8A	2	SHLD A8 E2-B					.25 .25	NO NO			
A	8L		P4-X P1-28					.22 .15	NO NO		17 11	
A	8R		P4-W P1-27					.22 .15	NO NO		17 11	
A	9	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	9A	2	SHLD A9 E2-B					.25 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900600
SCALE-NONE REV LTR B SHEET 8 OF 25

MIL 2084 4-63

CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9L		P4-Z P1-31					.22 .15	NO NO		17 11	
A	9R		P4-Y P1-30					.22 .15	NO NO		17 11	
A	10	3			2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A	10A	2	SHLD A10 P4-G*					.25 .22	NO NO		 17	
A	10L		P4-H* P1-50					.22 .15	NO NO		17 11	
A	10R		P4-I* P1-51					.22 .15	NO NO		17 11	
A	11	4			2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A	11A	2	SHLD A11 E1-B					.25 .25	NO NO			
A	11L		P4-J P1-7					.22 .15	NO NO		17 11	
A	11R		P4-H P1-6					.22 .15	NO NO		17 11	
A	11Y		P4-G P1-5					.22 .15	NO NO		17 11	
A	12	4			2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	

SIZE A
CODE IDENT NO. 99574
2900600
SCALE-NONE REV LTR B SHEET 9 OF 25

MIL 2084 9-65

CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12A	2		SHLD A12 E1-B					.25 .25	NO NO			
A 12L			P4-F P1-1					.22 .15	NO NO		17 11	
A 12R			P4-E P1-3					.22 .15	NO NO		17 11	
A 12Y			P4-D P1-2					.22 .15	NO NO		17 11	
A 13	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 13A	2		SHLD A13 E3					.25 .25	NO NO			
A 13L			P4-KK P1-54					.22 .15	NO NO		17 11	
A 13R			P4-JJ P1-53					.22 .15	NO NO		17 11	
A 14	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 14A	2		SHLD A14 E3					.25 .25	NO NO			
A 14L			P4-MM P1-57					.22 .15	NO NO		17 11	
A 14R			P4-LL P1-56					.22 .15	NO NO		17 11	

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HOUSTON, TEXAS
SIZE A
2900600
SCALE-NONE REV LTR B SHEET 10 OF 25

MIL 2084 4-63

CABLE ASSEMBLY W151 2900600 ~~A~~B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15	2		P4-NN E3					.22 .25	NO NO		17	
A 16	2		P4-Q* P1-59					.22 .15	NO NO		17 11	
A 17	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 17A	2		SHLD A17 E1-B					.25 .25	NO NO			
A 17L			P4-BB P3-11					.22 .15	NO NO		17 11	
A 17R			P4-AA P3-10					.22 .15	NO NO		17 11	
A 18	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 18A	2		SHLD A18 E4-B					.25 .25	NO NO			
A 18L			P4-DD P3-18					.22 .15	NO NO		17 11	
A 18R			P4-CC P3-17					.22 .15	NO NO		17 11	
A 19	3				2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A 19A	2		SHLD A19 P4-N*					.25 .22	NO NO		 17	

SIZE A
CODE IDENT NO. 99974
2900600
SCALE-NONE REV LTR ~~A~~B SHEET 11 OF 25

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CABLE ASSEMBLY W151 2900600 ~~A~~B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19L			P4-K* P3-65					.22 .15	NO NO		17 11	
A 19R			P4-J* P3-64					.22 .15	NO NO		17 11	
A 20	3				2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A 20A	2		SHLD A20 P4-Z*					.25 .25	NO NO		 17	
A 20L			P4-HH P3-73					.22 .15	NO NO		17 11	
A 20R			P4-GG P3-72					.22 .15	NO NO		17 11	
A 21	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 21A	2		SHLD A21 E4-B					.25 .25	NO NO			
A 21L			P4-X* P3-47					.22 .15	NO NO		17 11	
A 21R			P4-Y* P3-48					.22 .15	NO NO		17 11	
A 22	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 22A	2		SHLD A22 E4-B					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
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CABLE ASSEMBLY W151 2900600 ~~A~~B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 22L			P4-V* P3-49					.22 .15	NO NO		17 11	
A 22R			P4-W* P3-50					.22 .15	NO NO		17 11	
A 23	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 23A	2		SHLD A23 E4-B					.25 .25	NO NO			
A 23L			P4-T* P3-46					.22 .15	NO NO		17 11	
A 23R			P4-U* P3-45					.22 .15	NO NO		17 11	
A 24	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 24A	2		SHLD A24 E4-B					.25 .25	NO NO			
A 24L			P4-R* P3-26					.22 .15	NO NO		17 11	
A 24R			P4-S* P3-25					.22 .15	NO NO		17 11	
A 25	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 25A	2		SHLD A25 E6-B					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
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SCALE-NONE REV LTR ~~A~~B SHEET 13 OF 25

MIL 2084 9-65

CABLE ASSEMBLY W151 2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25B			DELETED									
A	25L			P3-51 P1-42					.15 .15	NO NO		11 11	
A	25R			P3-52 P1-41					.15 .15	NO NO		11 11	
A	26	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	26A	2		SHLD A26 E6-B					.25 .25	NO NO			
A	26L			P3-53 P1-44					.15 .15	NO NO		11 11	
A	26R			P3-54 P1-45					.15 .15	NO NO		11 11	
A	27	4				2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A	27A	2		SHLD A27 E7-B					.25 .25	NO NO			
A	27L			P5-V P3-16					.22 .15	NO NO		17 11	
A	27R			P5-U P3-33					.22 .15	NO NO		17. 11	
A	27Y			P5-T P3-5					.22 .15	NO NO		17 11	

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CABLE ASSEMBLY W151 2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	28	4				2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A	28A	2		SHLD A28 E7-B					.25 .25	NO NO			
A	28L			P5-F P3-19					.22 .15	NO NO		17 11	
A	28R			P5-E P3-36					.22 .15	NO NO		17 11	
A	28Y			P5-D P3-8					.22 .15	NO NO		17 11	
A	29	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	29A	2		SHLD A29 E7-B					.25 .25	NO NO			
A	29L			P5-K* P3-39					.22 .15	NO NO		17 11	
A	29R			P5-J* P3-38					.22 .15	NO NO		17 11	
A	30	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	30A	2		SHLD A30 E7-B					.25 .25	NO NO			
A	30L			P5-H* P3-41					.22 .15	NO NO		17 11	

SIZE A | CODE IDENT NO. 99974 | 2900600
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MIL 2084 9-65

CABLE ASSEMBLY W151 2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	31	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	31A	2		SHLD A31 E7-B					.25 .25	NO NO			
A	31L			P5-E* P3-87					.22 .15	NO NO		17 11	
A	31R			P5-D* P3-86					.22 .15	NO NO		17 11	
A	32	3				2.30 2.30	2.00 2.00				A,6B B,7	25, 23 25	
A	32A	2		SHLD A32 P5-V*					.25 .22	NO NO		 17	
A	32L			P5-C* P3-91					.22 .15	NO NO		17 11	
A	32R			P5-B* P3-90					.22 .15	NO NO		17 11	
A	33	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	33A	2		SHLD A33 E7-B					.25 .25	NO NO			
A	33L			P5-N P3-6					.22 .15	NO NO		17 11	
A	33R			P5-P P3-7					.22 .15	NO NO		17 11	

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CABLE ASSEMBLY W151 2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	33R			P5-P P3-7					.22 .15	NO NO		17 11	
A	34	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	34A	2		SHLD A34 E8-B					.25 .25	NO NO			
A	34L			P5-H P3-24					.22 .15	NO NO		17 11	
A	34R			P5-G P3-23					.22 .15	NO NO		17 11	
A	35	3				2.80 2.80	2.50 2.50				A,6B A,6B	25, 23 25, 23	
A	35A	2		SHLD A35 P5-Y					.25 .22	NO NO		 17	
A	35B	2		P3-37 SHLD A35					.15 .25	NO NO		11	
A	35L			P5-X P3-35					.22 .15	NO NO		17 11	
A	35R			P5-W P3-34					.22 .15	NO NO		17 11	
A	36	2		P3-66 P3-67					.15 .15	NO NO		11 11	
A	37	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	

SIZE A | CODE IDENT NO. 99974 | 2900600
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CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37L			P5-M P3-83					.22 .15	NO NO		17 11	
A 37R			P5-L P3-82					.22 .15	NO NO		17 11	
A 38	3				2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A 38A	2		SHLD A38 P5-I*					.25 .25	NO NO		 17	
A 38L			P5-J P3-78					.22 .15	NO NO		17 11	
A 38R			P5-K P3-79					.22 .15	NO NO		17 11	
A 39	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 39A	2		SHLD A39 E8-B					.25 .25	NO NO			
A 39L			P5-M* P3-56					.22 .15	NO NO		17 11	
A 39R			P5-N* P3-57					.22 .15	NO NO		17 11	
A 40	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 40A	2		SHLD A40 E8-B					.25 .25	NO NO			

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CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40A	2		SHLD A40 E8-B					.25 .25	NO NO			
A 40L			P5-A* P3-62					.22 .15	NO NO		17 11	
A 40R			P5-Z P3-63					.22 .15	NO NO		17 11	
A 41	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 41A	2		SHLD A41 E9-B					.25 .25	NO NO			
A 41L			P5-JJ E5					.22 .25	NO NO		17	
A 41R			P5-HH P3-12					.25 .15	NO NO		17 11	
A 42	2		E5 P3-13					.25 .15	NO NO		 11	
A 43	2		E5 P3-14					.25 .15	NO NO		 11	
A 44	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 44A	2		SHLD A44 E9-B					.25 .25	NO NO			
A 44L			P5-Q* P3-55					.22 .15	NO NO		17 11	

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CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 45A	2		SHLD A45 E9-B					.25 .25	NO NO			
A 45L			P5-S* P3-70					.22 .15	NO NO		17 11	
A 45R			P5-R* P3-71					.22 .15	NO NO		17 11	
A 46	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 46A	2		SHLD A46 E9-B					.25 .25	NO NO			
A 46L			P5-U* P3-85					.22 .15	NO NO		17 11	
A 46R			P5-T* P3-84					.22 .15	NO NO		17 11	
A 47	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 47A	2		SHLD A47 E9-B					.25 .25	NO NO			
A 47L			P5-Z* P3-77					.22 .15	NO NO		17 11	
A 47R			P5-Y* P3-76					.22 .15	NO NO		17 11	

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CABLE ASSEMBLY W151 2900600 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 48	3				3.30 3.30	3.00 3.00				A,6B B,7	25, 23 25	
A 48A	2		SHLD A48 P5-PP					.25 .22	NO NO		 17	
A 48L			P5-X* P3-44					.22 .15	NO NO		17 11	
A 48R			P5-W* P3-43					.22 .15	NO NO		17 11	
A 49	3				3.80 3.80	3.50 3.50				B,7 B,7	25 25	
A 49L			P5-BB P3-69					.22 .15	NO NO		17 11	
A 49R			P5-AA P3-68					.22 .15	NO NO		17 11	
A 50	3				3.80 3.80	3.50 3.50				B,7 B,7	25 25	
A 50L			P5-FF P3-89					.22 .15	NO NO		17 11	
A 50R			P5-EE P3-88					.22 .15	NO NO		17 11	
A 51	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 51A	2		SHLD A50 E8-B					.25 .25	NO NO			

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51L			P5-NN P3-81					.22 .15	NO NO		17 11	
A 51R			P5-MM P3-80					.22 .15	NO NO		17 11	
A 52	2		P5-DD P3-9					.22 .15	NO NO		17 11	
A 53	2		P5-CC P3-1					.22 .15	NO NO		17 11	
A 54	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 54A	2		SHLD A54 E8-B					.25 .25	NO NO			
A 54L			P5-KK P2-3					.22 .15	NO NO		17 11	
A 54R			P5-LL P2-4					.22 .15	NO NO		17 11	
A 55	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 55A	2		SHLD A55 E6-B					.25 .25	NO NO			
A 55L			P3-30 P2-5					.15 .15	NO NO		11 11	
A 55R			P3-27 P2-6					.15 .15	NO NO		11 11	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 56A	2		SHLD A56 E6-B					.25 .25	NO NO			
A 56L			P3-59 P2-1					.15 .15	NO NO		11 11	
A 56R			P3-58 P2-2					.15 .15	NO NO		11 11	
A 57	1		E2-BB E10-B					.25 .25	NO NO			
A 58	1		E9-BB E10-B					.25 .25	NO NO			
A 59	1		E1-BB E11-B					.25 .25	NO NO			
A 60	1		E4-BB E11-B					.25 .25	NO NO			
A 61	1		E6-BB E11-B					.25 .25	NO NO			
A 62	1		E7-BB E11-B					.25 .25	NO NO			
A 63	1		E8-BB E11-B					.25 .25	NO NO			
A 64	1		E10-B P5-B					.25 .22	NO NO		 17	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1		E11-B P4-B					.25 .22	NO NO		 17	

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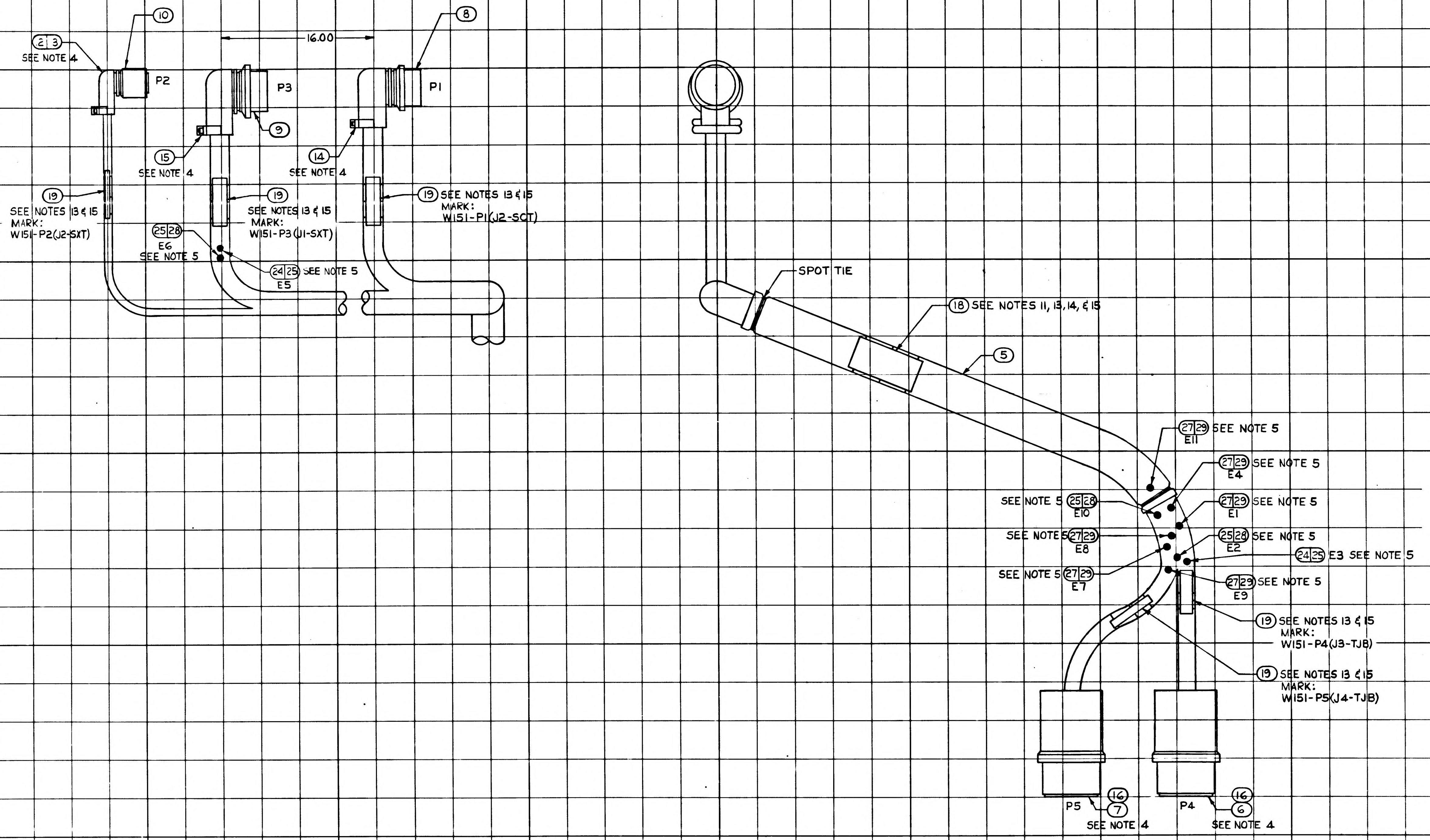
REVISIONS TCCC 34701

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



16.00
⑩
②③ SEE NOTE 4
P2
P3
⑨
⑧
P1
⑮ SEE NOTE 4
⑭ SEE NOTE 4
⑲ SEE NOTES 13 & 15 MARK: W151-P2(J2-SXT)
⑲ SEE NOTES 13 & 15 MARK: W151-P3(J1-SXT)
⑲ SEE NOTES 13 & 15 MARK: W151-P1(J2-SCT)
㉕㉘ E6 SEE NOTE 5
㉔㉕ SEE NOTE 5 E5
SPOT TIE
⑱ SEE NOTES 11, 13, 14, & 15
⑤
㉗㉙ SEE NOTE 5 E11
㉗㉙ SEE NOTE 5 E4
SEE NOTE 5 ㉕㉘ E10
㉗㉙ SEE NOTE 5 E1
SEE NOTE 5 ㉗㉙ E8
㉕㉘ SEE NOTE 5 E2
㉔㉕ E3 SEE NOTE 5
SEE NOTE 5 ㉗㉙ E7
㉗㉙ SEE NOTE 5 E9
⑲ SEE NOTES 13 & 15 MARK: W151-P4(J3-TJB)
⑲ SEE NOTES 13 & 15 MARK: W151-P5(J4-TJB)
P5 ⑯ ⑦ SEE NOTE 4
P4 ⑯ ⑥ SEE NOTE 4

2900025-011	2900022-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Schwabe DATE 7 JUL 65
CHECKED Feeler 16 JUL 65
APPROVAL J. W. Wise 9 Jul 65
APPROVAL M. Watson 8-20-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL, BRANCHED
W151

CODE IDENT NO 99974
SIZE E
2900600
SCALE 1/1
SHEET 25 OF 25

2900600 B

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REVISED PER MXC 207370	9 DEC 65	KLP JAC
	Ⓜ	B	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	KLP
		C	REVISED PER TDRR27258	22 MAR 66	LK PJ

16 JUL 65

REV		B	B	B	C																	
SHEET		22	23	24	25																	
REV STATUS	REV		C	B	C	C	C	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS	SHEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN Schwabe DATE 7 JUL 65
CHECKED Zeslar 16 JUL 65
APPROVAL C W Wiese 19 Jul 65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL, BRANCHED
W151

NASA APPROVAL C McGee/RJS (Phone approval)
MIT APPROVAL W Kupfer
CONTRACT NAS9-497

CODE IDENT NO. 99974
SIZE A
2900600
REV C
SCALE NONE
SHEET 1 OF 25

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET (OR CLAMP) USING ITEM 20.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019, .12 HIGH
7	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
8	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
9	ITEMS 16 AND 17 SUPPLIED WITH ITEMS 6 AND 7, ITEM 11 FURNISHED WITH ITEMS 8, 9 AND 10.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. Y - WHITE WITH YELLOW TRACER.
11	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
12	DELETED

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 2 OF 25

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	SECURE TO CABLE USING ITEM 21. MARKING TO READ AWAY FROM CONNECTORS
14	SERIALIZE PER ND1002023
15	MARK IDENTIFICATION BANDS AS NOTED ON DWG. .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
16	ASSEMBLE PER ND 1002032
17	ZIPPER TUBING SHALL HAVE Z TRACK

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	TOLERANCE STRIP JACKET	TOLERANCE CUT WIRE	TOLERANCE CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR C	SHEET 3 OF 25

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900600-001	WIRE, ND1002181, CLASS 1, TYPE 1, 20 AWG, WHITE, 7 FT. TOTAL LENGTH
	2	1	2900600-002	WIRE, ND1002181, CLASS 1, TYPE 1, 22 AWG, WHITE, 14 FT. TOTAL LENGTH.
	3	1	2900600-003	WIRE, ND1002181, CLASS 4, TYPE 2, WHITE JACKET, 22 AWG,WHT/BLU, WHT/RED, 134 FT, TOTAL LENGTH.
	4	1	2900600-004	WIRE, ND1002181, CLASS 4, TYPE 3, WHITE JACKET, 22 AWG,WHT/BLU,WHT/RED,WHT/YEL, 12FT,TOTAL LENGTH
17	5	1	2900600-005	ZIPPER TUBING PER ND1002155, TYPE 1, GRAY, 1.50 INCH DIA, 12 INCH, TOTAL LENGTH.
	6	1	MS3126F24-61PY	(1897047-613) CONNECTOR - PLUG ELECTRICAL
	7	1	MS3126F24-61PZ	(1897047-614) CONNECTOR - PLUG ELECTRICAL
8	8	1	1897207-207	CONNECTOR, PLUG ELECTRICAL
8	9	1	1897207-201	CONNECTOR, PLUG ELECTRICAL
8	10	1	1897249-017	CONNECTOR, PLUG ELECTRICAL
9	11	X	1897190-002	CONTACT, ELECTRICAL (SOCKET)
	12		1010958- 1	DELETED
8	13	1	1010933-200	CLAMP, CABLE RIGHT ANGLE
8	14	1	1010933-204	CLAMP, CABLE RIGHT ANGLE
8	15	1	1010933-205	CLAMP, CABLE RIGHT ANGLE

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR C	SHEET 4 OF 25

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	16	2	1016282- 24	GROMMET, CONNECTOR STRAIN RELIEF
9	17	110	MS3192A-20A	(1896855-020) CONTACT PIN
8	18	1	1016128-011	BAND-IDENTIFICATION BLANK
8	19	5	1016128-041	BAND-IDENTIFICATION BLANK
	20	AR	MIL-I-631 TYPE F, FORM T BLACK GRADE A CLASS 1	FILLER TAPE, .62 INCH WIDE, .02 THICK
	21	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, WAXED, BLACK (ES2732 NO. 18)
8	22	4	1010763- 3	SOLDER SLEEVE
8	23	45	1010763- 2	SOLDER SLEEVE
8	24	2	1010763- 1	SOLDER SLEEVE
8	25	103	1010490-228	INSULATION, SLEEVING
	26		1010490-226	DELETED
8	27	6	1010490-258	INSULATION, SLEEVING
8	28	3	1016006-001	SPLICE REDUCER
8	29	6	1016006-002	SPLICE REDUCER

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR C	SHEET 5 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	3			2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	1A	2	SHLD A1 E1-B					.25 .25	NO NO			
A	1L		P4-K P1-9					.22 .15	NO NO		17 11	
A	1R		P4-L P1-10					.22 .15	NO NO		17 11	
A	2	3			2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	2A	2	SHLD A2 E1-B					.25 .25	NO NO			
A	2L		P4-M P1-12					.22 .15	NO NO		17 11	
A	2R		P4-N P1-13					.22 .15	NO NO		17 11	
A	3	3			2.30 2.30	2.00 2.00				A,6B B,7	25, 23 25	
A	3A	2	SHLD A3 P4-M*					.25 .22	NO NO		 17	
A	3L		P4-P P1-18					.22 .15	NO NO		17 11	
A	3R		P4-R P1-19					.22 .15	NO NO		17 11	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 6 OF 25

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	3			2.30 2.30	2.00 2.00				A,6B A,6B	25, 23 25, 23	
A	4A	2	SHLD A4 P4-A*					.25 .22	NO NO		 17	
A	4B	2	P1-35 SHLD A4					.15 .25	NO NO		11	
A	4L		P4-C* P1-34					.22 .15	NO NO		17 11	
A	4R		P4-B* P1-33					.22 .15	NO NO		17 11	
A	5	3			2.30 2.30	2.00 2.00				A,6B A,6B	25, 23 25, 23	
A	5A	2	SHLD A5 P4-P*					.25 .22	NO NO		 17	
A	5B	2	P1-37 SHLD A5					.15 .25	NO NO		11	
A	5L		P4-E* P1-39					.22 .15	NO NO		17 11	
A	5R		P4-D* P1-38					.22 .15	NO NO		17 11	
A	6	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	6A	2	SHLD A6 E2-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 7 OF 25

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P4-T P1-22					.22 .15	NO NO		17 11	
A	6R		P4-S P1-21					.22 .15	NO NO		17 11	
A	7	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	7A	2	SHLD A7 E2-B					.25 .25	NO NO			
A	7L		P4-V P1-25					.22 .15	NO NO		17 11	
A	7R		P4-U P1-24					.22 .15	NO NO		17 11	
A	8	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	8A	2	SHLD A8 E2-B					.25 .25	NO NO			
A	8L		P4-X P1-28					.22 .15	NO NO		17 11	
A	8R		P4-W P1-27					.22 .15	NO NO		17 11	
A	9	3			2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A	9A	2	SHLD A9 E2-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 8 OF 25

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9L		P4-Z P1-31					.22 .15	NO NO		17 11	
A	9R		P4-Y P1-30					.22 .15	NO NO		17 11	
A	10	3			2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A	10A	2	SHLD A10 P4-G*					.25 .22	NO NO		 17	
A	10L		P4-H* P1-50					.22 .15	NO NO		17 11	
A	10R		P4-I* P1-51					.22 .15	NO NO		17 11	
A	11	4			2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A	11A	2	SHLD A11 E1-B					.25 .25	NO NO			
A	11L		P4-J P1-7					.22 .15	NO NO		17 11	
A	11R		P4-H P1-6					.22 .15	NO NO		17 11	
A	11Y		P4-G P1-5					.22 .15	NO NO		17 11	
A	12	4			2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 9 OF 25

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12A	2		SHLD A12 E1-B					.25 .25	NO NO			
A 12L			P4-F P1-1					.22 .15	NO NO		17 11	
A 12R			P4-E P1-3					.22 .15	NO NO		17 11	
A 12Y			P4-D P1-2					.22 .15	NO NO		17 11	
A 13	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 13A	2		SHLD A13 E3					.25 .25	NO NO			
A 13L			P4-KK P1-54					.22 .15	NO NO		17 11	
A 13R			P4-JJ P1-53					.22 .15	NO NO		17 11	
A 14	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 14A	2		SHLD A14 E3					.25 .25	NO NO			
A 14L			P4-MM P1-57					.22 .15	NO NO		17 11	
A 14R			P4-LL P1-56					.22 .15	NO NO		17 11	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 10 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15	2		P4-NN E3					.22 .25	NO NO		17	
A 16	2		P4-Q* P1-59					.22 .15	NO NO		17 11	
A 17	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 17A	2		SHLD A17 E1-B					.25 .25	NO NO			
A 17L			P4-BB P3-11					.22 .15	NO NO		17 11	
A 17R			P4-AA P3-10					.22 .15	NO NO		17 11	
A 18	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 18A	2		SHLD A18 E4-B					.25 .25	NO NO			
A 18L			P4-DD P3-18					.22 .15	NO NO		17 11	
A 18R			P4-CC P3-17					.22 .15	NO NO		17 11	
A 19	3				2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A 19A	2		SHLD A19 P4-N*					.25 .22	NO NO		 17	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 11 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19L			P4-K* P3-65					.22 .15	NO NO		17 11	
A 19R			P4-J* P3-64					.22 .15	NO NO		17 11	
A 20	3				2.80 2.80	2.50 2.50				A,6B B,7	25, 23 25	
A 20A	2		SHLD A20 P4-Z*					.25 .25	NO NO		 17	
A 20L			P4-HH P3-73					.22 .15	NO NO		17 11	
A 20R			P4-GG P3-72					.22 .15	NO NO		17 11	
A 21	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 21A	2		SHLD A21 E4-B					.25 .25	NO NO			
A 21L			P4-X* P3-47					.22 .15	NO NO		17 11	
A 21R			P4-Y* P3-48					.22 .15	NO NO		17 11	
A 22	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 22A	2		SHLD A22 E4-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 12 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 22L			P4-V* P3-49					.22 .15	NO NO		17 11	
A 22R			P4-W* P3-50					.22 .15	NO NO		17 11	
A 23	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 23A	2		SHLD A23 E4-B					.25 .25	NO NO			
A 23L			P4-T* P3-46					.22 .15	NO NO		17 11	
A 23R			P4-U* P3-45					.22 .15	NO NO		17 11	
A 24	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A 24A	2		SHLD A24 E4-B					.25 .25	NO NO			
A 24L			P4-R* P3-26					.22 .15	NO NO		17 11	
A 24R			P4-S* P3-25					.22 .15	NO NO		17 11	
A 25	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 25A	2		SHLD A25 E6-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 13 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25R			DELETED									
A 25L			P3-51 P1-42					.15 .15	NO NO		11 11	
A 25R			P3-52 P1-41					.15 .15	NO NO		11 11	
A 26	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 26A	2		SHLD A26 E6-B					.25 .25	NO NO			
A 26L			P3-53 P1-44					.15 .15	NO NO		11 11	
A 26R			P3-54 P1-45					.15 .15	NO NO		11 11	
A 27	4				2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A 27A	2		SHLD A27 E7-B					.25 .25	NO NO			
A 27L			P5-V P3-16					.22 .15	NO NO		17 11	
A 27R			P5-U P3-33					.22 .15	NO NO		17 11	
A 27Y			P5-T P3-5					.22 .15	NO NO		17 11	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 28	4				2.30 2.30	2.00 2.00				A,6A B,7	25, 22 25	
A 28A	2		SHLD A28 E7-B					.25 .25	NO NO			
A 28L			P5-F P3-19					.22 .15	NO NO		17 11	
A 28R			P5-E P3-36					.22 .15	NO NO		17 11	
A 28Y			P5-D P3-8					.22 .15	NO NO		17 11	
A 29	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 29A	2		SHLD A29 E7-B					.25 .25	NO NO			
A 29L			P5-K* P3-39					.22 .15	NO NO		17 11	
A 29R			P5-J* P3-38					.22 .15	NO NO		17 11	
A 30	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 30A	2		SHLD A30 E7-B					.25 .25	NO NO			
A 30L			P5-H* P3-41					.22 .15	NO NO		17 11	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30R			P5-G* P3-40					.22 .15	NO NO		17 11	
A 31	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 31A	2		SHLD A31 E7-B					.25 .25	NO NO			
A 31L			P5-E* P3-87					.22 .15	NO NO		17 11	
A 31R			P5-D* P3-86					.22 .15	NO NO		17 11	
A 32	3				2.30 2.30	2.00 2.00				A,6B B,7	25, 23 25	
A 32A	2		SHLD A32 P5-V*					.25 .22	NO NO		 17	
A 32L			P5-C* P3-91					.22 .15	NO NO		17 11	
A 32R			P5-B* P3-90					.22 .15	NO NO		17 11	
A 33	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A 33A	2		SHLD A33 E7-B					.25 .25	NO NO			
A 33L			P5-N P3-6					.22 .15	NO NO		17 11	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33R			P5-P P3-7					.22 .15	NO NO		17 11	
A 34	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	
A 34A	2		SHLD A34 E8-B					.25 .25	NO NO			
A 34L			P5-H P3-24					.22 .15	NO NO		17 11	
A 34R			P5-G P3-23					.22 .15	NO NO		17 11	
A 35	3				2.80 2.80	2.50 2.50				A,6B A,6B	25, 23 25, 23	
A 35A	2		SHLD A35 P5-Y					.25 .22	NO NO		 17	
A 35B	2		P3-37 SHLD A35					.15 .25	NO NO		11	
A 35L			P5-X P3-35					.22 .15	NO NO		17 11	
A 35R			P5-W P3-34					.22 .15	NO NO		17 11	
A 36	2		P3-66 P3-67					.15 .15	NO NO		11 11	
A 37	3				2.80 2.80	2.50 2.50				A,6A B,7	25, 23 25	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37A	2		SHLD A37					.25	NO			
			E8-B					.25	NO			
A 37L			P5-M					.22	NO		17	
			P3-83					.15	NO		11	
A 37R			P5-L					.22	NO		17	
			P3-82					.15	NO		11	
A 38	3				2.80	2.50				A,6B	25, 23	
					2.80	2.50				B,7	25	
A 38A	2		SHLD A38					.25	NO			
			P5-I*					.25	NO		17	
A 38L			P5-J					.22	NO		17	
			P3-78					.15	NO		11	
A 38R			P5-K					.22	NO		17	
			P3-79					.15	NO		11	
A 39	3				2.80	2.50				A,6A	25, 23	
					2.80	2.50				B,7	25	
A 39A	2		SHLD A39					.25	NO			
			E8-B					.25	NO			
A 39L			P5-M*					.22	NO		17	
			P3-56					.15	NO		11	
A 39R			P5-N*					.22	NO		17	
			P3-57					.15	NO		11	
A 40	3				2.80	2.50				A,6A	25, 23	
					2.80	2.50				B,7	25	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 18 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40A	2		SHLD A40					.25	NO			
			E8-B					.25	NO			
A 40L			P5-A*					.22	NO		17	
			P3-62					.15	NO		11	
A 40R			P5-Z					.22	NO		17	
			P3-63					.15	NO		11	
A 41	3				3.30	3.00				A,6A	25, 23	
					3.30	3.00				B,7	25	
A 41A	2		SHLD A41					.25	NO			
			E9-B					.25	NO			
A 41L			P5-JJ					.22	NO		17	
			E5					.25	NO			
A 41R			P5-HH					.25	NO		17	
			P3-12					.15	NO		11	
A 42	2		E5					.25	NO			
			P3-13					.15	NO		11	
A 43	2		E5					.25	NO			
			P3-14					.15	NO		11	
A 44	3				3.30	3.00				A,6A	25, 23	
					3.30	3.00				B,7	25	
A 44A	2		SHLD A44					.25	NO			
			E9-B					.25	NO			
A 44L			P5-Q*					.22	NO		17	
			P3-55					.15	NO		11	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 19 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44R			P5-P*					.22	NO		17	
			P3-32					.15	NO		11	
A 45	3				3.30	3.00				A,6A	25, 23	
					3.30	3.00				B,7	25	
A 45A	2		SHLD A45					.25	NO			
			E9-B					.25	NO			
A 45L			P5-S*					.22	NO		17	
			P3-70					.15	NO		11	
A 45R			P5-R*					.22	NO		17	
			P3-71					.15	NO		11	
A 46	3				3.30	3.00				A,6A	25, 23	
					3.30	3.00				B,7	25	
A 46A	2		SHLD A46					.25	NO			
			E9-B					.25	NO			
A 46L			P5-U*					.22	NO		17	
			P3-85					.15	NO		11	
A 46R			P5-T*					.22	NO		17	
			P3-84					.15	NO		11	
A 47	3				3.30	3.00				A,6A	25, 23	
					3.30	3.00				B,7	25	
A 47A	2		SHLD A47					.25	NO			
			E9-B					.25	NO			
A 47L			P5-Z*					.22	NO		17	
			P3-77					.15	NO		11	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 20 OF 25

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47R			P5-Y*					.22	NO		17	
			P3-76					.15	NO		11	
A 48	3				3.30	3.00				A,6B	25, 23	
					3.30	3.00				B,7	25	
A 48A	2		SHLD A48					.25	NO			
			P5-PP					.22	NO		17	
A 48L			P5-X*					.22	NO		17	
			P3-44					.15	NO		11	
A 48R			P5-W*					.22	NO		17	
			P3-43					.15	NO		11	
A 49	3				3.80	3.50				B,7	25	
					3.80	3.50				B,7	25	
A 49L			P5-BB					.22	NO		17	
			P3-69					.15	NO		11	
A 49R			P5-AA					.22	NO		17	
			P3-68					.15	NO		11	
A 50	3				3.80	3.50				B,7	25	
					3.80	3.50				B,7	25	
A 50L			P5-FF					.22	NO		17	
			P3-89					.15	NO		11	
A 50R			P5-EE					.22	NO		17	
			P3-88					.15	NO		11	
A 51	3				2.80	2.50				A,6A	25, 23	
					2.80	2.50				B,7	25	

SIZE	CODE IDENT NO.	
A	99974	2900600
SCALE-NONE	REV LTR B	SHEET 21 OF 25

2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	51A	2		SHLD A50 E8-B					.25 .25	NO NO			
A	51L			P5-NN P3-81					.22 .15	NO NO		17 11	
A	51R			P5-MM P3-80					.22 .15	NO NO		17 11	
A	52	2		P5-DD P3-9					.22 .15	NO NO		17 11	
A	53	2		P5-CC P3-1					.22 .15	NO NO		17 11	
A	54	3				3.30 3.30	3.00 3.00				A,6A B,7	25, 23 25	
A	54A	2		SHLD A54 E8-B					.25 .25	NO NO			
A	54L			P5-KK P2-3					.22 .15	NO NO		17 11	
A	54R			P5-LL P2-4					.22 .15	NO NO		17 11	
A	55	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	55A	2		SHLD A55 E6-B					.25 .25	NO NO			
A	55L			P3-30 P2-5					.15 .15	NO NO		11 11	

SIZE A
CODE IDENT NO. 99974
2900600
SCALE-NONE
REV LTR B
SHEET 22 OF 25

2900600 B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	55R			P3-27 P2-6					.15 .15	NO NO		11 11	
A	56	3				2.30 2.30	2.00 2.00				A,6A B,7	25, 23 25	
A	56A	2		SHLD A56 E6-B					.25 .25	NO NO			
A	56L			P3-59 P2-1					.15 .15	NO NO		11 11	
A	56R			P3-58 P2-2					.15 .15	NO NO		11 11	
A	57	1		E2-BB E10-B					.25 .25	NO NO			
A	58	1		E9-BB E10-B					.25 .25	NO NO			
A	59	1		E1-BB E11-B					.25 .25	NO NO			
A	60	1		E4-BB E11-B					.25 .25	NO NO			
A	61	1		E6-BB E11-B					.25 .25	NO NO			
A	62	1		E7-BB E11-B					.25 .25	NO NO			
A	63	1		E8-BB E11-B					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900600
SCALE-NONE
REV LTR B
SHEET 23 OF 25

2900600 B

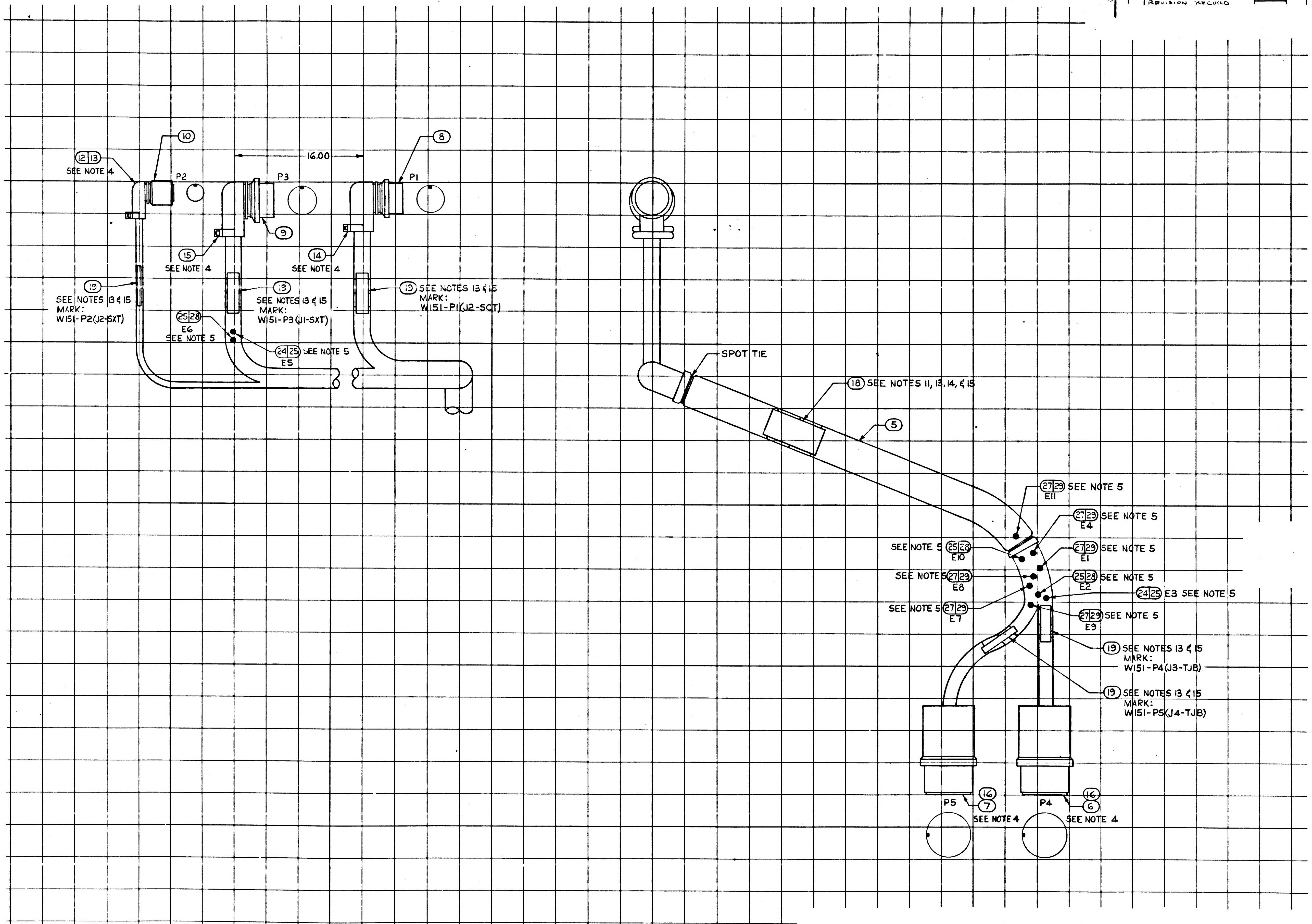
	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	64	1		E10-B P5-B					.25 .22	NO NO		 17	
A	65	1		E11-B P4-B					.25 .22	NO NO		 17	

SIZE A
CODE IDENT NO. 99974
2900600
SCALE-NONE
REV LTR B
SHEET 24 OF 25

S800900

SYM	ZONE	DESCRIPTION		DATE	APPD.
(N)		SEE SHEET 1 FOR REVISION RECORD	CHG NO		

REVISIONS TORE 24761



(10)
(12)(13) SEE NOTE 4
P2
16.00
P3
(8)
P1
(9)
(15) SEE NOTE 4
(14) SEE NOTE 4
(19) SEE NOTES 13 & 15 MARK: W151-P2(J2-SXT)
(13) SEE NOTES 13 & 15 MARK: W151-P3(J1-SXT)
(13) SEE NOTES 13 & 15 MARK: W151-P1(J2-SCT)
(25)(28) E6 SEE NOTE 5
(24)(25) SEE NOTE 5 E5
SPOT TIE
(18) SEE NOTES 11, 13, 14, & 15
(5)
(27)(29) SEE NOTE 5 E11
(27)(29) SEE NOTE 5 E4
SEE NOTE 5 (25)(28) E10
(27)(29) SEE NOTE 5 E1
SEE NOTE 5 (27)(29) E8
(25)(28) SEE NOTE 5 E2
(24)(25) E3 SEE NOTE 5
SEE NOTE 5 (27)(29) E7
(27)(29) SEE NOTE 5 E9
(19) SEE NOTES 13 & 15 MARK: W151-P4(J3-TJB)
(19) SEE NOTES 13 & 15 MARK: W151-P5(J4-TJB)
P5
(16) (7) SEE NOTE 4
P4
(16) (6) SEE NOTE 4

2900025-011	2900022-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN R. Schwabe DATE 7 JUL 65
CHECKED Zeller 16 JUL 65
APPROVAL W Wise 19 Jul 65
APPROVAL M. Watson 13-20-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL, BRANCHED
W151

CODE IDENT NO 99974
SIZE E
2900600
SCALE 1/1
SHEET 25 OF 25

2900600 C

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REVISED PER MXC 207511	13 DEC 65	RLP
		B	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R.

Chirichetti
30 AUG 65

REV										
SHEET										
REV STATUS OF SHEETS REV	B	B	B	B	B	B	B	B	B	B
SHEET	1	2	3	4	5	6	7	8	9	10

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 20 AUG 65
CHECKED 26 AUG65
APPROVAL E. Swanson 26 Aug 65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W147

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900603	B

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 10

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
5	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
6	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
7	DELETED ~~GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEM 6.~~
8	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
9	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
10	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
11	SECURE TO CABLE USING ITEM 15.
12	MARK IDENTIFICATION BANDS AS NOTED, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900603
SCALE - NONE	REV LTR B	SHEET 2 OF 10

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	SERIALIZE PER ND1002023
14	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 14.
15	POSITION IDENTIFICATION SLEEVE ADJACENT TO SOLDER SLEEVE.
16	ITEM 8 FURNISHED WITH ITEM 4

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

17 ASSEMBLE PER ND 1002032

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900603
SCALE - NONE	REV LTR B	SHEET 3 OF 10

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900603-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT, JKT, NO. 22AWG, WHT/BLU, WHT/RED, ~~72~~ 84 FT TOTAL LENGTH
	2	1	2900603-002	WIRE, ND1002181, TYPE 1, CLASS 1, WHT, NO.22AWG 147FT TOTAL LENGTH
9	3	1	1897249-001	CONNECTOR PLUG
	4	1	MS3126F20-41P	(1897043-410) CONNECTOR
9	5	~~30~~ 33	1897190- 2	CONTACT, SOCKET
~~9~~	6	~~42~~	DELETED ~~1010958-001~~	~~SEALING PLUG~~
9	7	1	1010933-105	CLAMP, STRAIN RELIEF
16	8		MS3192A-20A	(1896855-020) CONTACT PIN
9	9	2	1016282- 18	GROMMET, RUBBER
~~9~~	10	~~1~~	DELETED ~~1010490-226~~	~~INSULATION SLEEVING, ELEC.~~
9	11	~~11~~ 14	1010490-228	INSULATION SLEEVING, ELEC.
9	12	1	1016128-011	BAND, IDENTIFICATION
9	13	2	1016128-041	BAND, IDENTIFICATION
	14	AR	1901390	FILLER TAPE
	15	AR	MIL-T-713	LACING TAPE TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	16	1	2900603-003	ZIPPER TUBING PER ND1002155, ZTZ TYPE I, GRAY .625 DIA., 12FT. TOTAL LENGTH

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900603
SCALE - NONE	REV LTR B	SHEET 4 OF 10

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
9	17	~~11~~ 12	1010763- ~~0~~2	SOLDER SLEEVE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900603
SCALE - NONE	REV LTR B	SHEET 5 OF 10

CABLE ASSEMBLY W147 2900603 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00				A,6B	11, 17	SEE NOTE 15
A 1A	2		SHLD A1					.26	NO			
			P1-72					.16	NO		5	
A 1B	2		P2-F*					.22	NO		8	
			SHLD A1					.26	NO			
A 1L			P1-71					.16	NO		5	
			P2-E*					.22	NO		8	
A 1R			P1-70					.16	NO		5	
			P2-D*					.22	NO		8	
A 2	2		P1-65					.16	NO		5	
			P2-W					.22	NO		8	
A 3	2		P1-66					.16	NO		5	
			P2-X					.22	NO		8	
A 4	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00				B,7	~~17~~ 11	~~SEE NOTE 15~~
A 4A	2		SHLD A4					.26	NO			
			P1-69					.16	NO		5	
A 4L			P1-74					.16	NO		5	
			P2-B*					.22	NO		8	
A 4R			P1-73					.16	NO		5	
			P2-A*					.22	NO		8	
A 5	2		P1-67					.16	NO		5	
			P2-Y					.22	NO		8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900603
SCALE - NONE REV LTR B SHEET 6 OF 10

CABLE ASSEMBLY W147 2900603 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 6	2		P1-68					.16	NO		5	
			P2-Z					.22	NO		8	
A 7	2		P1-76					.16	NO		5	
			P2-C					.22	NO		8	
A 8	2		P1-77					.16	NO		5	
			P2-D					.22	NO		8	
A 9	2		P1-75					.16	NO		5	
			P2-S					.22	NO		8	
A 10	2		P1-78					.16	NO		5	
			P2-T					.22	NO		8	
A 11	2		P1-84					.16	NO		5	
			P2-A					.22	NO		8	
A 12	2		P1-85					.16	NO		5	
			P2-B					.22	NO		8	
A 13	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00				A,6B	11, 17	SEE NOTE 15
A 13A	2		SHLD A13					.26	NO			
			P1-15					.16	NO		5	
A 13B	2		P2-I*					.22	NO		8	
			SHLD A13					.26	NO			
A 13L			P1-14					.16	NO		5	
			P2-H*					.22			8	
A 13R			P1-13					.16	NO		5	
			P2-G*					.22	NO		8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900603
SCALE - NONE REV LTR B SHEET 7 OF 10

CABLE ASSEMBLY W147 2900603 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00			~~NO~~	A,6B	11, 17	SEE NOTE 15
A 14A	2		SHLD A14					.26	NO			
			P1-18					.16	NO		5	
A 14B	2		P2-M*					.22	NO		8	
			SHLD A14					.26	NO			
A 14L			P1-17					.16	NO		5	
			P2-K*					.22	NO		8	
A 14R			P1-16					.16	NO		5	
			P2-J*					.22	NO		8	
A 15	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00				A,6B	11, 17	SEE NOTE 15
A 15A	2		SHLD A15					.26	NO			
			P1-21					.16	NO		5	
A 15B	2		P2-Q*					.22	NO		8	
			SHLD A15					.26	NO			
A 15L			P1-20					.16	NO		5	
			P2-P*					.22	NO		8	
A 15R			P1-19					.16	NO		5	
			P2-N*					.22	NO		8	
A 16	1				2.30	2.00				A,6B	11, 17	SEE NOTE 15
					2.30	2.00				A,6B	11, 17	SEE NOTE 15
A 16A	2		SHLD A16					.26	NO			
			P1-24					.16	NO		5	

MANNED SPACECRAFT CENTER
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CABLE ASSEMBLY W147 2900603 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16B	2		P2-T*					.22	NO		8	
			SHLD A16					.26	NO			
A 16L			P1-23					.16	NO		5	
			P2-S*					.22	NO		8	
A 16R			P1-22					.16	NO		5	
			P2-R*					.22	NO		8	
A 17	2		P1-63					.16	NO		5	
			P2-U					.22	NO		8	
A 18	2		P1-64					.16	NO		5	
			P2-V					.22	NO		8	
A 19	1				2.80	2.50				A,6B	17,11	SEE NOTE 15
					2.80	2.50				B,7	11	
A 19A	2		SHLD A19					.26	No			
			P1-57					.16	No		5	
A 19L			P1-56					.16	No		5	
			P2-F					.22	No		8	
A 19R			P1-55					.16	No		5	
			P2-E					.22	No		8	

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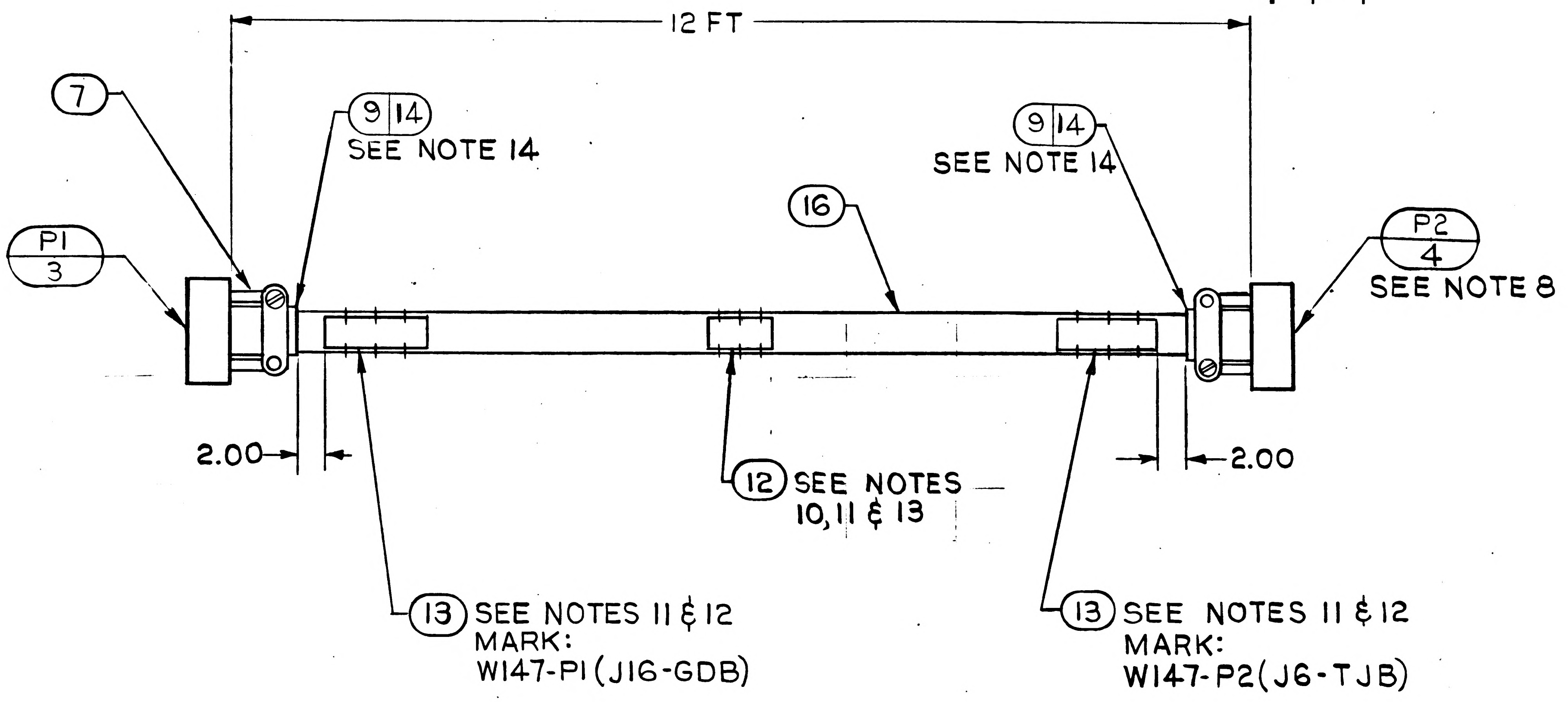
REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD			


12 FT
7
9 | 14
SEE NOTE 14
9 | 14
SEE NOTE 14
16
P1
3
P2
4
SEE NOTE 8
2.00
2.00
12 SEE NOTES 10, 11 & 13
13 SEE NOTES 11 & 12
MARK:
W147-P1 (J16-GDB)
13 SEE NOTES 11 & 12
MARK:
W147-P2 (J6-TJB)

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .50 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN Janowiak DATE 20 AUG 65
CHECKED Ja Lima 26 AUG 65
APPROVAL E. Swanson 26 Aug '65
APPROVAL L. M. Watson
NASA APPROVAL a. metzger / RJS (phone approval)
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W147

CODE IDENT NO. 99974
SIZE C
2900603
SCALE NONE
SHEET 10 OF 10

MIL 1077C—P

APPLICATION	
NEXT ASSY	USED ON
2900026-011	2900026-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REV(A) WITH CHANGE PER MXC 203899	17 AUG 65	R.M.T. EF
C	REVISED PER MXC 204568	8 SEP 65	JWP MEM
D	REVISED PER MXC 205358	28 SEP 65	RLP EF
E	REVISED PER MXC 205850	19 OCT 65	LK EF
F	REVISED PER MXC 205912	20 OCT 65	PHG Y.M.
G	REVISED PER MXC 206107	20 OCT 65	RGB AU
H	INITIAL RELEASE CLASS A PER TDRR 23555	20 OCT 65	CW

Cho-lec tr
9 AUG 65

REV	H	H	H	H	H	H	H	H	H	H	H	H													
SHEET	20	21	22	23	24	25	26	27	28	29	30	31													

REV STATUS OF SHEETS	REV					H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN Jonquin DATE 7 JUL 65
CHECKED L. Udarich 7 AUG 65
APPROVAL W. Farley 10 AUG 65
APPROVAL L. Gedimen 10/12/65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900604	H
SCALE NONE		SHEET 1 OF 31	

WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 24.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 24.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

7 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

8 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

9 APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 26 AND 27.

11 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

12 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

13 ASSEMBLE CONTACTS IN SPARE INSERT HOLES OF ITEMS 13 AND 14.

14 ASSEMBLE PER ND1002032.

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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

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WIRING HARNESS A 2900604 H ~~G~~ ~~E~~ ~~D~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900604-001	WIRE ND1002181, CLASS 1, TYPE 1, 24 AWG WHT ~~460~~ ~~450~~ ~~456~~ 452 FT 0 IN. TOTAL LENGTH
	2	1	2900604-002	WIRE ND1002181, CLASS 1, TYPE 1, 20 AWG WHT 25 ~~21~~ FT 0IN. TOTAL LENGTH
	3	1	2900604-003	WIRE ND1002181, CLASS 1, TYPE 1, 22 AWG WHT 18FT 0IN. TOTAL LENGTH
6	4	~~218~~ 223	1015864-109	INSULATION SLEEVING
6	5	~~71~~ 80	1015864-107	INSULATION SLEEVING
6	6	1	1015902- 46	TERMINAL LUG
6	7	2	1016006-001	SPLICE REDUCER
6	8	3	1016006-002	SPLICE REDUCER
6	9	1	1016006-003	SPLICE REDUCER
6	10	2	1010490-200	INSULATION SLEEVING
6	11	3	1010490-258	INSULATION SLEEVING
6	12	1	1010490-256	INSULATION SLEEVING
	13	1	MS3127E-24-61PZ	(1897055-614) CONNECTOR
	14	1	MS3127E-24-61SZ	(1897056-614) CONNECTOR
6	15	1	1015957-167	CONNECTOR
6	16	1	1015957-168	CONNECTOR
6	17	1	1015957-169	CONNECTOR

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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	18	1	1015957-170	CONNECTOR
6	19	1	1015957-171	CONNECTOR
6	20	1	1015957-172	CONNECTOR
6	21	1	1897328-004	CONNECTOR
6	22	4	1015902- 45	TERMINAL LUG
6	23	1	1016128-001	BAND IDENTIFICATION BLANK
	24	AR	MIL-T-713	LACING TAPE, TYPE P WAXED, CLASS 2, BLACK (ES2732)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	27	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)

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2900604 H ~~F E D~~

WIRING HARNESS A

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1		J1-A• K1-2	11 34				.19 .25	NO YES		5	
A	2	~~1~~ 2		J1-B• XF4-2	11 57				.19 .25	NO YES			
A	3	1		J1-CC ~~XDS1-A~~ K17-5	11 ~~60~~ 46				.19 .25	NO YES		4	
A	4	1		J1-D• ~~J7-B~~ J6-B	11 ~~16~~ 17				.19 .25	NO YES		4	
A	5	1		K9-3 S3SW1-C	38 63				.25 .25	YES YES		4	
A	6	1		J1-FF ~~J7-E~~ J6-E	11 ~~16~~ 17				.19 .25	NO YES		4	
A	7	1		J1-F• K4-7	11 31				.19 .25	NO YES		5	
A	8	1		J1-G• XF2-2	11 60				.19 .25	NO YES			
A	9	1		J1-GG E7	11 55				.19 .25	NO NO		7	
A	10	1		J1-JJ K4-5	11 31				.19 .25	NO YES		5	
A	11	1		J1-KK K4-4	11 31				.19 .25	NO YES		5	
A	12	1		J1-LL K4-3	11 31				.19 .25	NO YES		5	

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2900604 H ~~G E D~~

WIRING HARNESS A

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1		J2-BB J6-F	12 17				.19 .25	NO YES		4	
A	14	1		J2-C• E3	12 9				.19 .25	NO NO		8	
A	15	1		J2-D K19-1	12 48				.19 .25	NO YES		4	
A	16	1		J2-E K19-6	12 48				.19 .25	NO YES		4	
A	17	1		J2-F• J5-B	12 18				.19 .25	NO YES		4	
A	18	1		J2-G• J4-B	12 19				.19 .25	NO YES		4	
A	19	2		J2-H ~~K3-19~~ K3-20	12 32				.19 .25	NO YES		5	
A	20	2		J2-J ~~K3-16~~ K3-17	12 32				.19 .25	NO YES		5	
A	21	2		J2-L E5	12 10				.19 .25	NO NO		8	
A	22	2		J2-M E4	12 13				.19 .25	NO NO		8	
A	23	1		J2-K• K4-6	12 31				.19 .25	NO YES		5	
A	24	2		J2-S ~~K3-10~~ K3-11	12 32				.19 .25	NO YES		5	

MANNED SPACECRAFT CENTER
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2900604 H ~~E D~~

WIRING HARNESS A

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	2		J2-T ~~K3-13~~ K3-14	12 32				.19 .25	NO YES		5	
A	26	1		J2-U• K1-9	12 34				.19 .25	NO YES		5	
A	27	1		J2-V• K1-11	12 34				.19 .25	NO YES		5	
A	28	2		K5-5 CR2-CATHODE	30 23				.25 .25	YES YES		5	
A	29	3		S4A-A7 K10-4	61 39				.25 .25	YES YES		4	
A	30	1		S4A-A1 S4A-B1	61 61				.25 .25	YES YES			
A	31	3		S4A-B1 J8-N	61 15				.25 .25	YES YES		4	
A	32	1		S4A-A2 S4A-B2	61 61				.25 .25	YES YES			
A	33	3		S4A-B2 J8-C	61 15				.25 .25	YES YES		4	
A	34	1		S4A-A3 S4A-B3	61 61				.25 .25	YES YES			
A	35	3		S4A-B3 J8-B	61 15				.25 .25	YES YES		4	
A	36	1		K2-11 J4-A	33 19				.25 .25	YES YES		5 4	

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WIRING HARNESS A

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	37	3		S4A-B7 K10-5	61 39				.25 .25	YES YES		4	
A	38	3		S4A-C5 J8-E	61 15				.25 .25	YES YES		4	
A	39	3		S4A-C6 J8-D	61 15				.25 .25	YES YES		4	
A	40	1		S4A-D4 K19-3	61 48				.25 .25	YES YES		4	
A	41	1		K12-2 K12-6	41 41				.25 .25	YES YES		5 4	
A	42	1		S4B-D4 J4-A	61 19				.25 .25	YES YES			
A	43	1		S4B-D7 K2-9	61 33				.25 .25	YES YES		5	
A	44	1		S4B-E4 J5-A	61 18				.25 .25	YES YES		4	
A	45	1		S4B-E7 K2-6	61 33				.25 .25	YES YES		5	
A	46	3		S4A-C7 J8-S	61 15				.25 .25	YES YES		4	
A	47	1		J9-K CR2-GATE	14 23				.25 .25	YES YES		4	
A	48	1		J9-D ~~K5-5~~ CR1-4	14 ~~30~~ 24				.25 .25	YES YES		4 4	

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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		J9-A J4-V	14 19				.25 .25	YES YES		4 4	
A 50	1		J9-B J4-U	14 19				.25 .25	YES YES		4 4	
A 51	2		K6-7 CR2-ANODE	29 23				.25 .25	YES YES		5	
A 52	1		J9-J E2	14 21				.25 .25	YES NO		4 7	
A 53	1		J9-D E3	14 9				.25 .25	YES NO			
A 54	3		J4-V J8-U	19 15				.25 .25	YES YES		 4	
A 55	3		J4-U J8-W	19 15				.25 .25	YES YES		 4	
A 56	1		J4-X E2	19 21				.25 .25	YES NO		4	
A 57	1		J4-Y E3	19 9				.25 .25	YES NO		4	
A 58	1		J4-Z J7-Z	19 16				.25 .25	YES YES		4 4	
A 59	1		J5-U J8-S	18 15				.25 .25	YES YES		4	
A 60	1		J5-V J8-H	18 15				.25 .25	YES YES		4 4	

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SCALE - NONE | REV LTR H E ~~D~~ | SHEET 10 OF ~~30~~ 31

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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1		J5-Y E3	18 9				.25 .25	YES NO		4	
A 62	1		J5-X J6-X	18 17				.25 .25	YES YES		4 4	
A 63	1		J5-Z J6-Z	18 17				.25 .25	YES YES		4 4	
A 64	1		J6-D K2-7	17 33				.25 .25	YES YES		4 5	
A 65	1		J6-J J6-T	17 17				.25 .25	YES YES		4 4	
A 66	1		J6-L J6-U	17 17				.25 .25	YES YES		4 4	
A 67	1		J6-U J6-W	17 17				.25 .25	YES YES		 4	
A 68	1		J6-W E6	17 22				.25 .25	YES NO		 9	
A 69	1		J6-M J7-M	17 16				.25 .25	YES YES		4 4	
A 70	1		J6-N K16-3	17 45				.25 .25	YES YES		4 4	
A 71	1		J6-P J7-P	17 16				.25 .25	YES YES		4 4	
A 72	1		J6-S K15-3	17 44				.25 .25	YES YES		4 4	

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WIRING HARNESS A 2900604 H E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1		J7-D K2-10	16 33				.25 .25	YES YES		4 5	
A 74	1		J7-J J7-T	16 16				.25 .25	YES YES		4 4	
A 75	1		J7-L J7-U	16 16				.25 .25	YES YES		4 4	
A 76	1		J7-U E6	16 22				.25 .25	YES NO			
A 77	1		J7-N K13-3	16 42				.25 .25	YES YES		4 4	
A 78	1		J7-S K14-3	16 43				.25 .25	YES YES		4 4	
A 79	1		J7-W J3-H	16 20				.25 .25	YES YES		4 4	
A 80	1		J7-X E2	16 21				.25 .25	YES NO		4	
A 81	1		J7-Y E3	16 9				.25 .25	YES NO		4	
A 82	1		J7-Z PS2-4	16 51				.25 .25	YES YES			
A 83	1		J8-T J3-P	15 20				.25 .25	YES YES		4 4	
A 84	1		J8-J J3-C	15 20				.25 .25	YES YES		4 4	

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WIRING HARNESS A 2900604 H ~~G~~ ~~F~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1		J8-X E2	15 21				.25 .25	YES NO		4	
A 86	1		J8-Y E3	15 9				.25 .25	YES NO		4	
A 87	1		J8-R J6-X	15 17				.25 .25	YES YES		4	
A 88	1		J3-J J3-U	20 20				.25 .25	YES YES		4 4	
A 89	1		J3-U E6	20 22				.25 .25	YES NO			
A 90	1		J3-K J3-V	20 20				.25 .25	YES YES		4 4	
A 91	1		J3-L K7-5	20 36				.25 .25	YES YES		4 4	
A 92	1		J3-M XDS5-~~C~~A	20 56				.25 .25	YES YES		4 4	
A 93	1		J3-R XDS5-~~A~~C	20 56				.25 .25	YES YES		4 4	
A 94	1		J3-T K13-8	20 42				.25 .25	YES YES		4 4	
A 95	1		J3-X E2	20 21				.25 .25	YES NO		4	
A 96	1		J3-Y E3	20 9				.25 .25	YES NO		4	

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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1		J3-A J8-R	20 15				.25 .25	YES YES		4	
A 98	1		K9-4 ~~J6-C~~ J7-E	38 ~~17~~ 16				.25 .25	YES YES		4 4	
A 99	1		K10-1 XDS2-A	39 66				.25 .25	YES YES		4 4	
A 100	1		K2-2 ~~E7~~ K1-19	33 ~~45~~ 34				.25 .25	YES ~~NO~~ YES		5 5	
A 101	1		PS4-3 E3	49 9				.25 .25	YES NO		4 ~~4~~	
A 102	1		K2-1 K17-4	33 46				.25 .25	YES YES		5 4	
A 103	1		K2-13 K6-4	33 29				.25 .25	YES YES		5 5	
A 104	1		K2-3 S2SW1-C	33 65				.25 .25	YES YES		5	
A 105	1		K2-8 J5-A	33 18				.25 .25	YES YES		5	
A 106	1		K9-8 J2-Z	38 12				.25 .19	YES NO		4	
A 107	1		K2-18 J7-P	33 16				.25 .25	YES YES		5	
A 108	1		K2-19 K5-4	33 30				.25 .25	YES YES		5 5	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900604

SCALE - NONE REV LTR ~~D~~ ~~E~~ H SHEET 14 OF ~~30~~ 31

MIL 2084 4-63

WIRING HARNESS A 2900604 H E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1		K10-1 K11-3	39 40				.25 .25	YES YES		 4	
A 110	1		K10-2 J8-U	39 15				.25 .25	YES YES		4	
A 111	1		K10-3 S2SW1-NO	39 65				.25 .25	YES YES		4	
A 112	1		K10-6 K2-4	39 33				.25 .25	YES YES		4 5	
A 113	1		K10-7 K10-9	39 39				.25 .25	YES YES		4 4	
A 114	1		K10-10 K11-6	39 40				.25 .25	YES YES		4 4	
A 115	1		K11-1 K17-3	40 46				.25 .25	YES YES		4 4	
A 116	1		K9-1 J2-Y	38 12				.25 .19	YES NO		4	
A 117	1		~~K11-7~~ K12-7 K11-9	40 40				.25 .25	YES YES		4 4	
A 118	1		K11-7 ~~K10-9~~ K3-2	40 ~~39~~ 32				.25 .25	YES YES		 5	
A 119	1		K4-9 S4A-D7	31 61				.25 .25	YES YES		5	
A 120	1		K20-7 K8-7	48A 37				.25 .25	YES YES		4 4	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900604

SCALE - NONE REV LTR ~~D~~ ~~E~~ H SHEET 15 OF ~~30~~ 31

MIL 2084 4-63

WIRING HARNESS A 2900604 H E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	1		K4-2 ~~K11-9~~ K10-9	31 ~~40~~ 39				.25 .25	YES YES		5	
A 122	1		K4-7 PS1-2	31 52				.25 .25	YES YES			
A 123	1		K4-10 E6	31 22				.25 .25	YES NO		5	
A 124	1		K4-11 K11-6	31 40				.25 .25	YES YES		5	
A 125	1		K4-14 K11-2	31 40				.25 .25	YES YES		5 4	
A 126	1		K4-13 K12-4	31 41				.25 .25	YES YES		5 4	
A 127	1		K12-2 K8-8	41 37				.25 .25	YES YES		4 4	
A 128	1		K12-3 S3SW1-NO	41 63				.25 .25	YES YES		4	
A 129	1		K12-5 XDS3-A	41 64				.25 .25	YES YES		4	
A 130	1		K12-7 K12-9	41 41				.25 .25	YES YES		4 4	
A 131	1		K12-9 K4-2	41 31				.25 .25	YES YES			
A 132	1		K12-10 ~~J7-B~~ J6-B	41 ~~16~~ 17				.25 .25	YES YES		4	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900604

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MIL 2084 4-63

WIRING HARNESS A 2900604 H E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	2		K5-2 CR1-2	30 24				.25 .25	YES YES		5 4	
A 134	2		K5-6 ~~CR1-4~~ J6-F	30 ~~24~~ 17				.25 .25	YES YES		5 4	
A 135	1		K5-11 K12-9	30 41				.25 .25	YES YES		5	
A 136	1		K17-1 K18-3	46 47				.25 .25	YES YES		4 4	
A 137	1		K17-2 K13-2	46 42				.25 .25	YES YES		4 5	
A 138	1		K17-5 ~~XDS1-B~~ J3-W	46 ~~68~~ 20				.25 .25	YES YES		~~4~~ 4	
A 139	1		K17-6 S1SW1-NC	46 67				.25 .25	YES YES		4	
A 140	1		K17-7 K5-11	46 30				.25 .25	YES YES		4	
A 141	1		K17-7 K17-9	46 46				.25 .25	YES YES		 4	
A 142	1		K17-8 K18-10	46 47				.25 .25	YES YES		4 4	
A 143	1		K17-10 K18-5	46 47				.25 .25	YES YES		4 4	
A 144	1		K18-2 S1SW1-NO	47 67				.25 .25	YES YES		4	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900604

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MIL 2084 4-63

WIRING HARNESS A 2900604 H E D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	1		K18-4	47				.25	YES		4	
			K17-3	46				.25	YES			
A 146	1		K18-7	47				.25	YES		4	
			K17-9	46				.25	YES			
A 147	1		K18-7	47				.25	YES			
			K18-9	47				.25	YES		4	
A 148	1		K1-1	34				.25	YES		5	
			E6	22				.25	NO			
A 149	1		K1-4	34				.25	YES		5	
			XF3-1	59				.25	YES			
A 150	1		K1-5	34				.25	YES		5	
			PS3-1	50				.25	YES			
A 151	1		K1-7	34				.25	YES		5	
			XF1-1	62				.25	YES			
A 152	1		K1-8	34				.25	YES		5	
			PS1-1	52				.25	YES			
A 153	1		K1-13	34				.25	YES		5	
			K4-1	31				.25	YES		5	
A 154	1		K8-3	37				.25	YES		4	
			J1-EE	11				.19	NO			
A 155	1		J2-DC	12				.19	NO			
			K5-1	30				.25	YES		5	
A 156	1		K8-6	37				.25	YES		4	
			K18-5	47				.19	NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900604
SCALE-NONE
REV LTR B E H
SHEET 18 OF ~~30~~ 31

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WIRING HARNESS A 2900604 H E D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	1		K8-7	37				.25	YES			
			K1-10	34				.25	YES		5	
A 158	1		K9-3	38				.25	YES			
			S1SW1-C	67				.25	YES			
A 159	1		K19-7	48				.25	YES		4	
			K8-7	37				.25	YES			
A 160	1		K1-10	34				.25	YES			
			K18-9	47				.25	YES			
A 161	1		K13-2	42				.25	YES			
			K14-2	43				.25	YES		4	
A 162	1		K13-10	42				.25	YES		4	
			K14-10	43				.25	YES		4	
A 163	1		K14-5	43				.25	YES		4	
			XDS6-C	53				.25	YES		4	
A 164	1		K13-7	42				.25	YES		4	
			K13-9	42				.25	YES		4	
A 165	1		K13-5	42				.25	YES		4	
			XDS6-A	53				.25	YES		4	
A 166	1		K14-7	43				.25	YES		4	
			K13-9	42				.25	YES			
A 167	1		K14-9	43				.25	YES		4	
			K14-7	43				.25	YES			
A 168	1		K15-2	44				.25	YES		4	
			K14-2	43				.25	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900604
SCALE-NONE
REV LTR B E H
SHEET 19 OF ~~30~~ 31

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WIRING HARNESS A 2900604 H E D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	1		K15-10	44				.25	YES		4	
			K14-10	43				.25	YES			
A 170	1		K15-5	44				.25	YES		4	
			XDS4-C	58				.25	YES			
A 171	1		K15-7	44				.25	YES		4	
			K14-9	43				.25	YES			
A 172	1		K15-7	44				.25	YES			
			K15-9	44				.25	YES		4	
A 173	1		K7-2	36				.25	YES		4	
			K2-12	33				.25	YES		5	
A 174	1		K16-2	45				.25	YES		4	
			K15-2	44				.25	YES			
A 175	1		K16-10	45				.25	YES		4	
			K15-10	44				.25	YES			
A 176	1		K16-5	45				.25	YES		4	
			XDS4-A	58				.25	YES		4	
A 177	1		K16-7	45				.25	YES		4	
			K15-9	44				.25	YES			
A 178	1		K16-7	45				.25	YES			
			K16-9	45				.25	YES		4	
A 179	1		K19-7	48				.25	YES			
			K13-7	42				.25	YES			
A 180	1		K16-9	45				.25	YES			
			K6-11	29				.25	YES		5	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900604
SCALE-NONE
REV LTR B E H
SHEET 20 OF ~~30~~ 31

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WIRING HARNESS A 2900604 H G E D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	1		K16-2	45				.25	YES			
			E6	22				.25	NO			E6
A 182	1		K16-10	45				.25	YES			
			K11-10	40				.25	YES		5	
A 183	2		E4 ~~J6-F~~	13 ~~17~~				.25	~~YES~~ NO			
			~~XF5-1~~ XF5-1	54				.25	YES			
A 184	1		K8-8	37				.25	YES			
			E6	22				.25	NO			
A 185	1		CR1-1	24				.25	YES		4	
			TB1-3	27				.25	YES		22	
A 186	1		CR1-3	24				.25	YES		4	
			TB1-4	28				.25	YES		22	
A 187	2		K6-1	29				.25	YES		5	
			K5-3	30				.25	YES		5	
A 188	2		K6-2	29				.25	YES		5	
			E6	22				.25	NO			
A 189	2		K6-3	29				.25	YES		5	
			XF5-2	54				.25	YES			
A 190	2		K6-6	29				.25	YES		5	
			~~E7~~ K5-6 ~~J6-F~~	~~35~~ 30 ~~17~~				.25	~~NO~~ YES			
A 191	1		XDS7-G	55				.25	YES		4	
			XDS6-G	53				.25	YES		4	
A 192	2		XF4-1	57				.25	YES			
			E6	22				.25	NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900604
SCALE-NONE
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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	1		XF2-1 TB1-2	60 26				.25 .25	YES YES		22	
A 194	1		XF1-2 XF3-2	62 59				.25 .25	YES YES			
A 195	1		XF3-2 XF2-2	59 60				.25 .25	YES YES			
A 196	1		XDS2-A XDS2-C	66 66				.25 .25	YES YES		 4	
A 197	1		XDS2-G K1-17	66 34				.25 .25	YES YES		4 5	
A 198	1		XDS1-A XDS1-B	68 68				.25 .25	YES YES		4	
A 199	1		K2-1 XDS1-C	33 68				.25 .25	YES YES		 4	
A 200	1		XDS1-C XDS1-D	68 68				.25 .25	YES YES		 4	
A 201	1		XDS1-G XDS2-G	68 66				.25 .25	YES YES		4	
A 202	1		XDS3-A XDS3-C	64 64				.25 .25	YES YES		4 4	
A 203	1		XDS3-G XDS1-G	64 68				.25 .25	YES YES		4	
A 204	1		XDS6-A XDS6-B	53 53				.25 .25	YES YES		 4	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900604
SCALE-NONE
REV LTR ~~D~~ ~~E~~ H
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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1		XDS6-C XDS6-D	53 53				.25 .25	YES YES		 4	
A 206	1		XDS6-G XDS3-G	53 64				.25 .25	YES YES			
A 207	1		XDS4-A XDS4-B	58 58				.25 .25	YES YES		 4	
A 208	1		XDS4-C XDS4-D	58 58				.25 .25	YES YES		4 4	
A 209	1		XDS4-G XDS6-G	58 53				.25 .25	YES YES		4	
A 210	1		XDS5-A XDS5-B	56 56				.25 .25	YES YES		 4	
A 211	1		XDS5-C XDS5-D	56 56				.25 .25	YES YES		 4	
A 212	1		XDS5-G XDS4-G	56 58				.25 .25	YES YES		4	
A 213	1		PS1-3 E2	52 21				.25 .25	YES NO			
A 214	1		PS1-4 PS2-3	52 51				.25 .25	YES YES			
A 215	1		PS3-3 J3-A	50 20				.25 .25	YES YES			
A 216	1		PS3-4 PS2-3	50 51				.25 .25	YES YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1		PS3-4 PS4-3	50 49				.25 .25	YES YES			
A 218	1		PS4-4 J6-Z	49 17				.25 .25	YES YES			
A 219	1		PS3-1 PS4-1	50 49				.25 .25	YES YES			
A 220	1		K13-6 K14-8	42 43				.25 .25	YES YES		4 4	
A 221	1		PS1-2 PS2-2	52 51				.25 .25	YES YES			
A 222	1		PS2-2 PS3-2	51 50				.25 .25	YES YES			
A 223	1		PS3-2 PS4-2	50 49				.25 .25	YES YES			
A 224	2		K3-~~11~~ 10 S4A-A6	32 61							5	
A 225	2		K3-~~14~~ 13 J8-L	32 15				.25 .19	YES NO		5 4	
A 226	1		J6-H ~~E4~~ CR1-4	17 ~~13~~ 24				.25 .25	YES ~~NO~~ YES		4	
A 227	1		J2-CC J6-H	12 17				.19 .25	NO YES			
A 228	2		J2-P• E4	12 13				.19 .25	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900604
SCALE-NONE
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WIRING HARNESS A 2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	2		J2-Q• E4	12 13				.19 .25	NO NO			
A 230	2		K6-5 E5	29 10				.25 .25	YES NO		5	
A 231	2		J2-LL E5	12 10				.19 .25	NO NO			
A 232	2		J2-Z• E5	12 10				.19 .25	NO NO			
A 233	1		J2-T• E1	12 9A				.19 .25	NO NO		 6	
A 234	2		J2-A K3-~~4~~ 5	12 32				.19 .25	NO NO		 5	
A 235	1		TP1 J4-B	1 19				.25 .25	YES YES			
A 236	1		TP2 J4-Y	2 19				.25 .25	YES YES			
A 237	1		TP3 J5-B	3 18				.25 .25	YES YES			
A 238	1		TP4 TP2	4 2				.25 .25	YES YES			
A 239	1		TP5 J8-T	5 15				.25 .25	YES YES			
A 240	1		TP6 TP4	6 4				.25 .25	YES YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900604
SCALE-NONE
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WIRING HARNESS A

2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1		TP7	7				.25	YES			
			J8-J	15				.25	YES			
A 242	1		TP8	8				.25	YES			
			TP6	6				.25	YES			
A 243	1		PS1-1	52				.25	YES			
			PS2-1	51				.25	YES			
A 244	1		TB1-1	25				.25	YES		22	
			PS2-2	51				.25	YES			
A 245	1		K1-12	34				.25	YES		5	
			K4-10	31				.25	YES			
A 246	1		K1-14	34				.25	YES		5	
			K10-6	39				.25	YES			
A 247	2		K3-16 ~~K3-17~~	32				.25	YES		5	
			J8-F	15				.25	YES		4	
A 248	2		K3-~~20~~ 19	32				.25	YES		5	
			S4A-C1	61				.25	YES			
A 249	1		J2-W*	12				.19	NO			
			K3-~~1~~ S	~~32~~ 20				.25	YES		~~5~~ 4	
A 250	1		K3-1	32				.25	YES			
			K3-7	32				.25	YES		5	
A 251	1		K9-7	38				.25	YES		4	
			K1-~~15~~ 16	34				.25	YES		5	
A 252	1		K3-2	32				.25	YES		5	
			~~K6-11~~ K2-2	~~29~~ 33				.25	YES		5	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900604

SCALE - NONE | REV LTR ~~D~~ ~~E~~ H | SHEET 26 OF ~~30~~ 31

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WIRING HARNESS A

2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1		J1-W	11				.19	NO			
			K9-3	38				.25	YES			
A 254	1		K9-7	38				.25	YES			
			~~K3-2~~ K6-11	~~32~~ 29				.25	YES			
A 255	1		K8-3	37				.25	YES			
			K9-2	38				.25	YES		4	
A 256	1		K3-1	32				.25	YES			
			XDS7-A	55				.25	YES		4	
A 257	1		XDS7-A	55				.25	YES			
			XDS7-C	55				.25	YES		4	
A 258	2		K3-4 ~~K3-5~~	32				.25	YES		5	
			E3	9				.25	YES			
A 259	1		J3-Z	20				.25	YES		4	
			J5-Z	18				.25	YES			
A 260	1		J6-Y	17				.25	YES		4	
			J5-Y	18				.25	YES			
A 261	1		J9-F	14				.25	YES		4	
			CR1-2	24				.25	YES			
A 262	1		J9-L	14				.25	YES		4	
			K6-7	29				.25	YES			
A 263	1		K9-4	38				.25	YES			
			K11-1	40				.25	YES			
A 264	1		K9-6	38				.25	YES		4	
			K9-7	38				.25	YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900604

SCALE - NONE | REV LTR ~~D~~ ~~E~~ H | SHEET 27 OF ~~30~~ 31

MIL 2084 4-63

WIRING HARNESS A

2900604 H ~~G~~ ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1		J7-K ~~J6-K~~	16 ~~17~~				.25	YES		4	
			K19-3	48				.25	YES			
A 266	1		K8-1	37				.25	YES		4	
			K11-4	40				.25	YES		4	
A 267	1		K8-7	37				.25	YES			
			E7	35				.25	NO			
A 268	1		J7-B ~~J6-B~~	16 ~~17~~				.25	YES		4	
			K11-10	40				.25	YES			
A 269	1		J7-K ~~J6-K~~	16 ~~17~~				.25	YES		~~4~~	
			K12-1	41				.25	YES			
A 270	1		J6-E ~~J7-E~~	17 ~~16~~				.25	YES			
			K16-10	45				.25	YES			
A 271	DELETE		~~K13-6~~	~~42~~				~~.25~~	~~YES~~			
			~~K14-8~~	~~43~~				~~.25~~	~~YES~~			
A 272	1		K14-6	43				.25	YES		4	
			K15-8	44				.25	YES		4	
A 273	1		K15-6	~~34~~ 44				.25	YES		4	
			K16-8	45				.25	YES		4	
A 274	1		K16-6	45				.25	YES		4	
			~~K1-4~~ K1-14	34				.25	YES			
A 275	~~1~~ DELETE		~~K8-1~~	~~37~~				~~.25~~	~~YES~~			
			~~K11-4~~	~~40~~				~~.25~~	~~YES~~			
A 276	~~1~~ DELETE		~~K13-10~~	~~42~~				~~.25~~	~~YES~~			
			~~K4-1~~	~~31~~				~~.25~~	~~YES~~			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900604

SCALE - NONE | REV LTR ~~D~~ ~~E~~ ~~G~~ H | SHEET 28 OF ~~30~~ 31

MIL 2084 4-63

WIRING HARNESS A

2900604 H ~~E~~ ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1		K20-3	48A				.25	YES		4	
			K11-3	40				.25	YES			
A 278	1		K20-2	48A				.25	YES		4	
			K2-7	33				.25	YES			
A 279	1		K20-4	48A				.25	YES		4	
			K2-8	33				.25	YES			
A 280	1		K20-6	48A				.25	YES		4	
			K2-10	33				.25	YES			
A 281	1		K20-8	48A				.25	YES		4	
			K2-11	33				.25	YES			
A 282	1		K7-7	36				.25	YES		4	
			~~K17-1~~ K17-7	46				.25	YES			
A 283	1		K7-3	36				.25	YES		4	
			K15-3	44				.25	YES			
A 284	~~1~~ DELETE		~~K4-1~~	~~31~~				~~.25~~	~~YES~~			
			~~K3-6~~	~~32~~				~~.25~~	~~YES~~		~~5~~	
A 285	1		K1-20	34				.25	YES		5	
			K1-16	34				.25	YES			
A 286	1		K3-9	32				.25	YES		5	
			J8-B	15				.25	YES			
A 287	1		K3-18	32				.25	YES		5	
			J8-E	15				.25	YES			
A 288	1		K3-3	32				.25	YES		5	
			K3-12	32				.25	YES		5	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900604

SCALE - NONE | REV LTR ~~D~~ ~~E~~ H | SHEET 29 OF ~~30~~ 31

MIL 2084 4-63

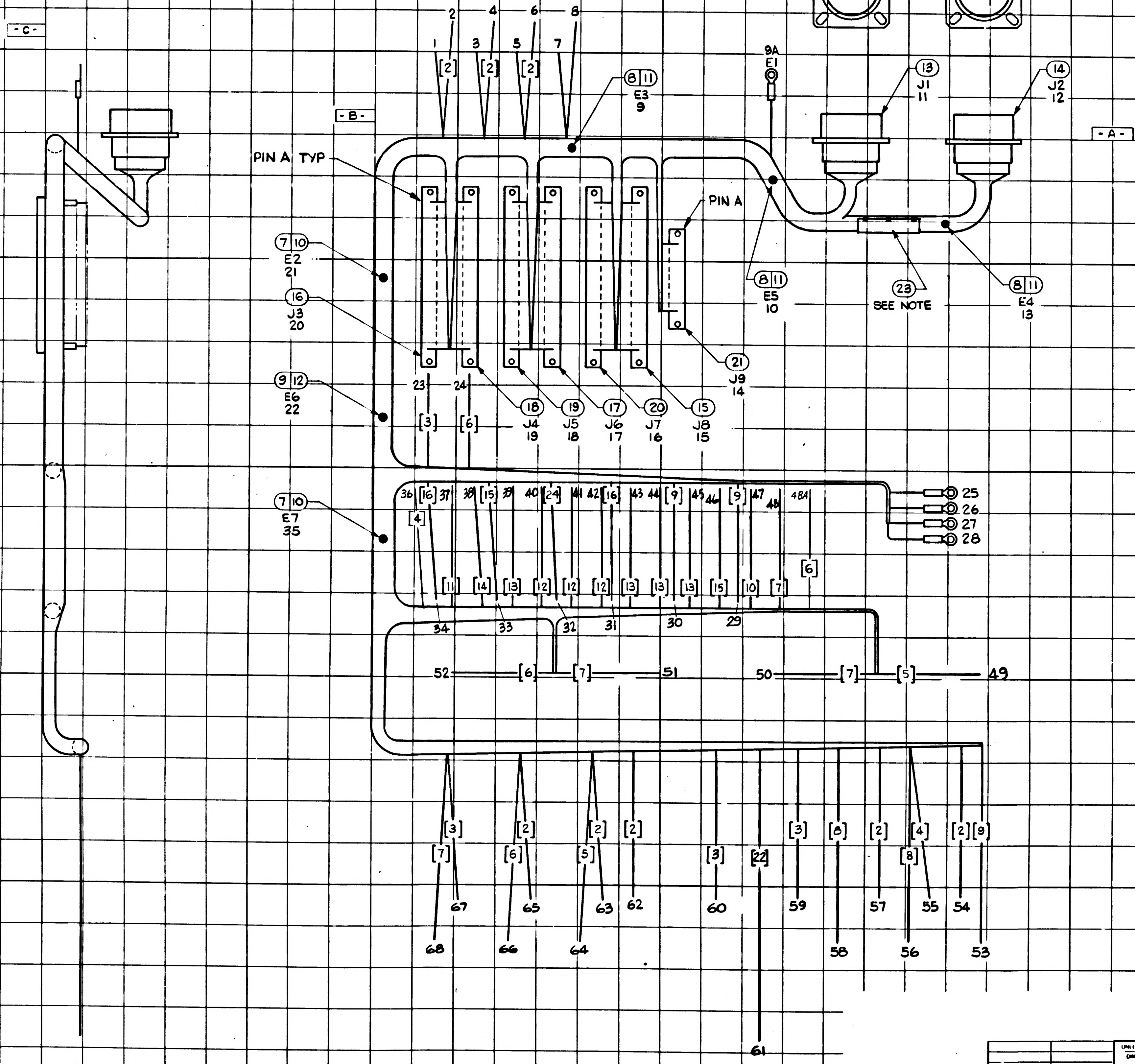
WIRING HARNESS A 2900604 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 289	1		K3-12 K3-15	32 32				.25 .25	YES YES		5	
A 290	1		K3-4 E7	32 35				.25 .25	YES NO			
A 291	1		J3-F XDS1-B	20 68				.25 .25	YES YES		4 4	
A 292	1		J3-E K3-1	20 32				.25 .25	YES YES		4 5	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900604
SCALE - NONE	REV LTR H	SHEET 30 OF 31

MIL 2064 4-63

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



- C -
- B -
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E3
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J1
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14
J2
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PIN A
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8 11
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56
[2]
54
[9]
53

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

NEXT ASSY | USED ON
APPLICATION

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Jonquin DATE 26 Jul 65
CHECKED E. Wonch 5 AUG 65
APPROVAL W. Farley 10 AUG 65
APPROVAL W. Johnson 10/2/65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO 99974
SIZE E
2900604
SCALE FULL
SHEET 31 OF 31

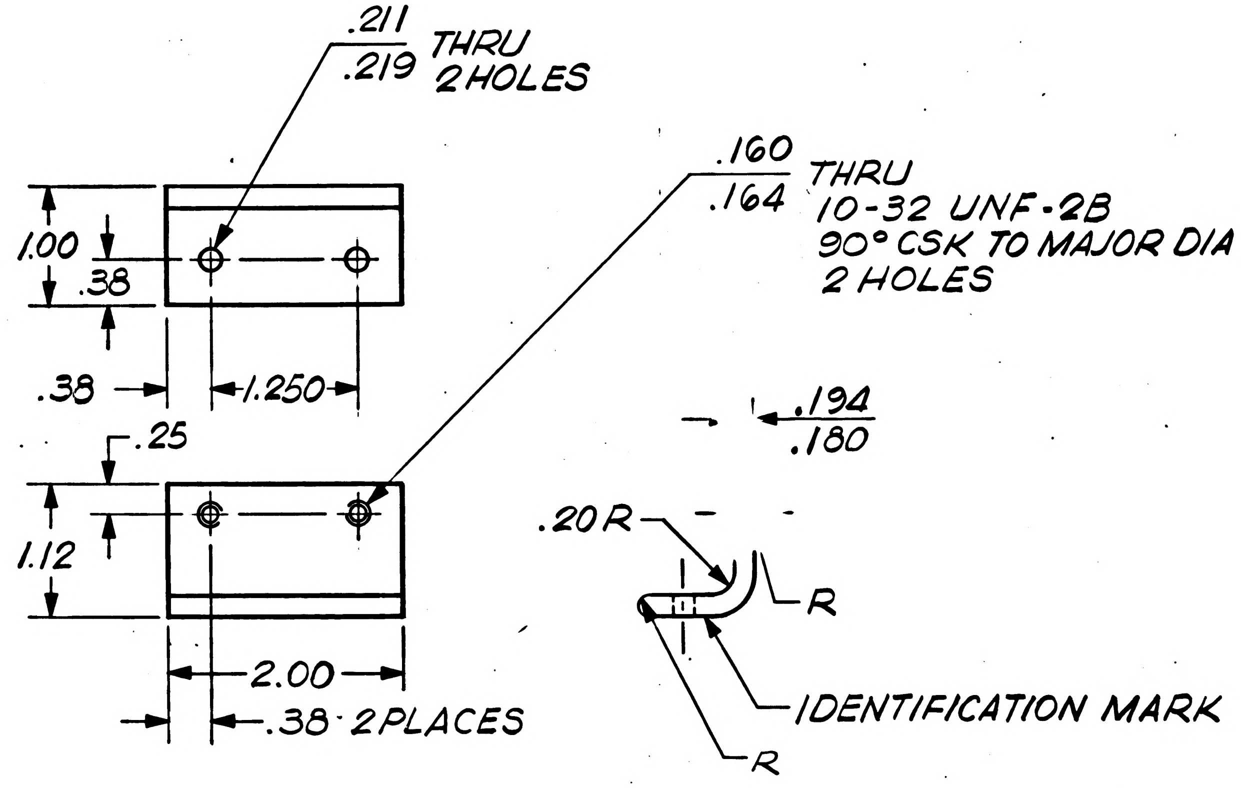
2900604 H

2900605

REVISIONS 23419					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23419		19OCT 65	FE

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-S-633, 1018 CR LOW CARBON STEEL (ES2148-4).
3. MUST BE FREE FROM BURRS AND SHARP CORNERS.
4. FINISH: PREPARE ALL SURFACES EXCEPT TAPPED HOLES WITH MIL-P-26915, TYPE I, CLASS A, PRIMER (ES2641-1) PER MIL-STD-808, CODE F-101, AND APPLY 2 COATS OF FEDERAL SPECIFICATION TT-E-529, CLASS B, SEMI-GLOSS ENAMEL, DARK GRAY, COLOR 26251 OF FED-STD-595 PER MIL-F-14072.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. UNLESS OTHERWISE SPECIFIED, SURFACE ROUGHNESS MUST NOT EXCEED 125/.


.211
.219 THRU
2 HOLES
.160
.164 THRU
10-32 UNF-2B
90° CSK TO MAJOR DIA
2 HOLES
1.00
.38
.38
1.250
.25
1.12
2.00
.38 2 PLACES
.194
.180
.20 R
R
IDENTIFICATION MARK
R

2900058-011	2900023-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ —
- —	±.02	- —

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN 7 JULY 65 DATE
CHECKED 8 JUL 65
APPROVAL 8 Jul 65
APPROVAL 10/19/65
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET, ANGLE

CODE IDENT NO. 99974
SIZE C
2900605
SCALE FULL
SHEET 1 OF 1

Charleston 9 JUL 65

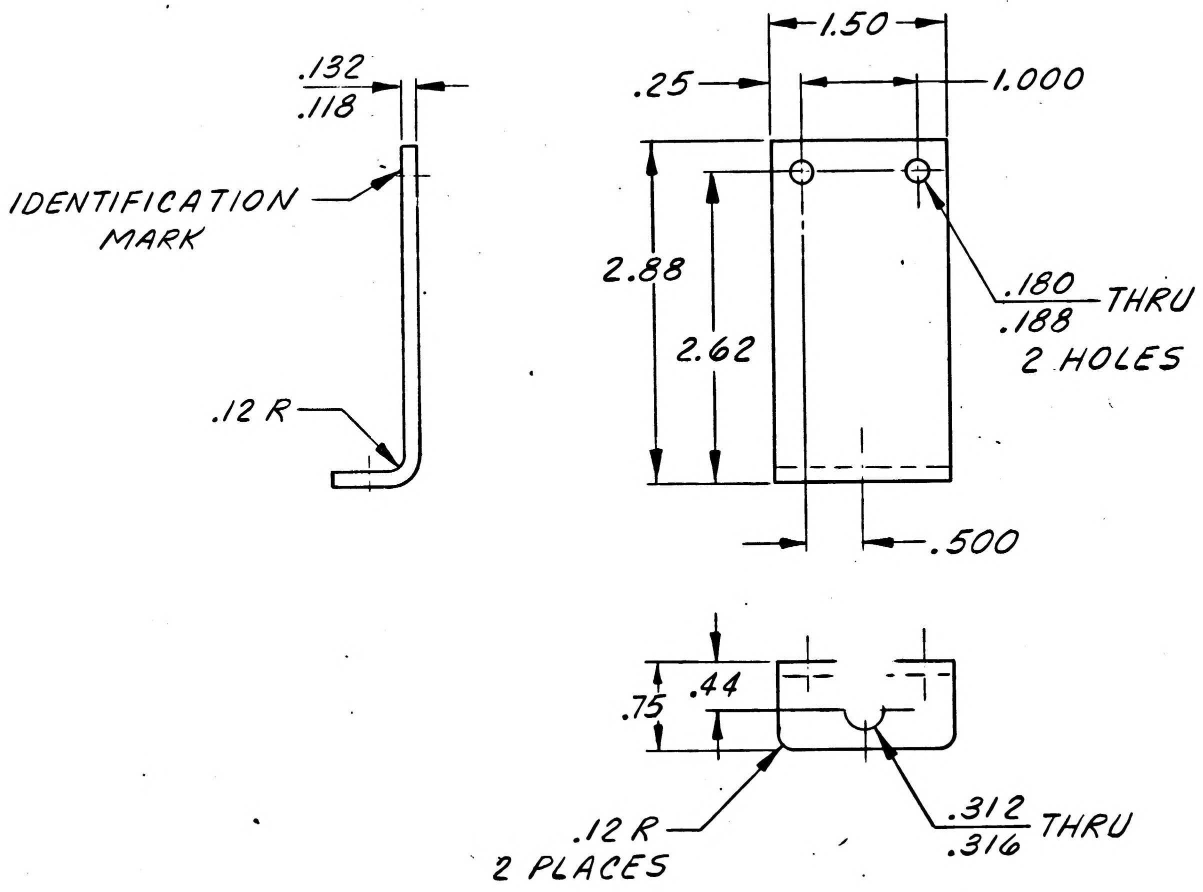
MIL 1077C—P

REVISIONS 23419

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23419		19 OCT 65	FE

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. MATERIAL: QQ-S-633, 1018 CR LOW CARBON STEEL (ES2148-4)
3. MUST BE FREE FROM BURRS AND SHARP EDGES
4. FINISH: PRIME ALL SURFACES WITH ZINC DUST PRIMER MIL-P-26915, TYPE I, CLASS A (ES2641-1) PER MIL-STD-808, CODE F-101. APPLY 2 COATS OF FEDERAL SPECIFICATION TT-E-529, CLASS B, SEMI GLOSS ENAMEL, DARK GRAY, COLOR 26251 OF FED-STD-595 PER MIL-F-14072
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267)



2900058-011	290002 3-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ — ±.005 + —
— — ±.02 — —
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. A. Repinski DATE 6 JUL 65
CHECKED J Sayles 8 JULY 65
APPROVAL L Rose 8 JULY 65
APPROVAL L Jedisman 10/19/65
NASA APPROVAL
MIT APPROVAL 21 Oct 65
Charlestone 9 JUL 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET, UPPER

CODE IDENT NO. 99974
SIZE C
2900606
SCALE FULL
SHEET 1 OF 1

MIL 1077C—P

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL: AL ALY QQ-A-250/11 TEMPER T651 (ES-2106-6061 T651)

3. FINISH: MIL-C-5541 (ES-591 CHEMICAL FILM).

4. MUST BE FREE FROM BURRS.

5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015 R, OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 63√.

6. INSTALL ITEM 2 PER MS33646
   REMOVE DRIVING TANGS AFTER ASSEMBLY

7. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.

8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES-267).

9. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.

10. HOLE NUMBERS & LETTERS ARE FOR MANUFACTURING REFERENCE.

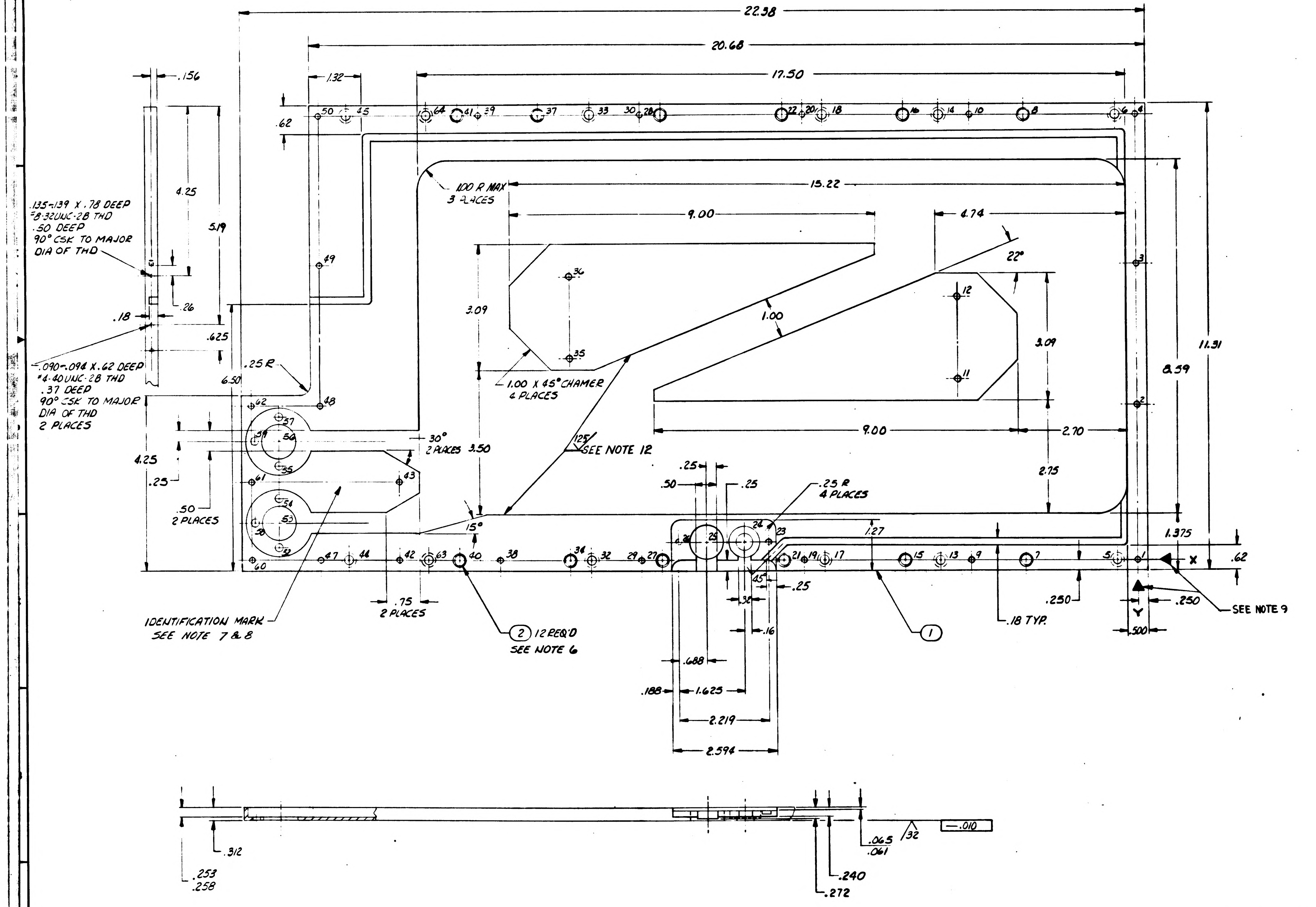
11. STEP HEIGHTS, RESULTING FROM MACHINING OPERATIONS, NOT TO EXCEED .001 INCH.

12. ALL SIDE WALLS OF TUBE CHANNELS SHALL NOT EXCEED SURFACE ROUGHNESS REQUIREMENT INDICATED.

HOLE	QTY	DESCRIPTION
a	12	.219 THRU - .344 C'BORE .250 DEEP - FAR SIDE
b	25	.110-.114 - DO NOT BREAK THRU #6-32UNC-2B THD .22 MIN DEEP CSK 100° TO .160 DIA
c	1	.406 THRU - .718 C'BORE .185-.190 DEEP
d	1	.812 THRU
e	12	.257-.264 THRU, CSK 120° TO .290-.330 DIA FAR SIDE, TAP CLASS 2B THD. FOR 1/4-28 NF HELICAL COIL (SEE NOTE 6)
f	6	.154-.161 THRU
g	2	.812 THRU - 1.625 C'BORE
h	2	.110-.114 - DO NOT BREAK THRU #6-32UNC-2B THD .16 MIN DEEP 90° CSK TO MAJOR DIA OF THD

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 203762		AUG 65	
B		REVISED PER MXC 204357		3 SEP 65	PHG
C		REVISED PER MXC 204433		9 SEP 65	PHG
D		REVISED PER MXC 206005		16 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		OCT 65	


22.38
20.68
17.50
15.22
9.00
4.74
22°
1.00
3.09
3.09
9.00
2.70
2.75
3.50
8.59
11.31
1.375
.62
.62
.156
1.32
4.25
5.19
.26
.18
.625
6.50
.25 R
4.25
.25
.50 2 PLACES
.135-.139 X .78 DEEP #8-32UNC-2B THD .50 DEEP 90° CSK TO MAJOR DIA OF THD
.090-.094 X .62 DEEP #4-40UNC-2B THD .37 DEEP 90° CSK TO MAJOR DIA OF THD 2 PLACES
1.00 R MAX 3 PLACES
1.00 X 45° CHAMFER 4 PLACES
30° 2 PLACES
15°
SEE NOTE 12
.75 2 PLACES
IDENTIFICATION MARK SEE NOTE 7 & 8
2 12 REQ'D SEE NOTE 6
1
.25
.50
.25
.25 R 4 PLACES
1.27
45°
.25
.32
.16
.688
.188
1.625
2.219
2.594
.250
.18 TYP.
.250
.500
X
Y
SEE NOTE 9
.312
.253
.258
.065
.061
32
.010
.240
.272

COORDINATE DIMENSIONS			
HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE b
2	.000	3.750	b
3	.000	7.188	b
4	.000	10.812	b
5	.500	.000	a
6	.500	10.812	HOLE a
7	2.750	.000	NOTE 6 & HOLE e
8	2.750	10.812	NOTE 6 & HOLE e
9	4.125	.000	HOLE b
10	4.125	10.812	b
11	4.440	4.440	b
12	4.440	6.440	b
13	4.875	.000	a
14	4.875	10.812	HOLE a
15	5.750	.000	NOTE 6 & HOLE e
16	5.750	10.812	NOTE 6 & HOLE e
17	7.750	.000	HOLE a
18	7.750	10.812	a
19	8.250	.000	b
20	8.250	10.812	HOLE b
21	8.750	.000	NOTE 6 & HOLE e
22	8.750	10.812	NOTE 6 & HOLE e
23	—	.438	HOLE h
24	—	.438	c
25	—	.438	d
26	11.344	.438	HOLE h
27	11.750	.000	NOTE 6 & HOLE e
28	11.750	10.812	NOTE 6 & HOLE e
29	12.250	.000	HOLE b
30	12.250	10.812	b
31			
32	13.500	.000	a
33	13.500	10.812	HOLE a
34	14.000	.000	NOTE 6 & HOLE e
35	14.000	4.940	HOLE b
36	14.000	6.940	HOLE b
37	14.750	10.812	NOTE 6 & HOLE e
38	15.750	.000	HOLE b
39	16.250	10.812	HOLE b
40	16.750	.000	NOTE 6 & HOLE e
41	16.750	10.812	NOTE 6 & HOLE e
42	18.250	.000	HOLE b
43	18.250	1.875	b
44	19.500	.000	a
45	19.500	10.812	a
46			
47	20.188	.000	b
48	20.188	3.750	b
49	20.188	7.188	b
50	20.188	10.812	b
51			
52	21.188	.281	f
53	21.188	.875	g
54	21.188	1.469	f
55	21.188	2.281	f
56	21.188	2.875	g
57	21.188	3.469	f
58	21.752	.875	f
59	21.752	2.875	f
60	21.875	.000	b
61	21.875	1.875	b
62	21.875	3.750	b
63	17.500	.000	a
64	17.500	10.812	SEE HOLE a

SEE NOTE 2

ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	12	MS21208F4-10	(1897110-104) INSERT, SCREW THREAD
1	1	2900610-001	HOLDER, COOLING COIL-CDU

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900611-011	6900067-011
2900611-011	6900007-011
2900611-011	2900677-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.02 ±.005 ANGLES +2° − −
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 65
CHECKED 21 JUL 65
APPROVAL P.C. Malin 21 JUL 65
APPROVAL 9-20-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL
CDU
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900610
SCALE 1:1
SHEET

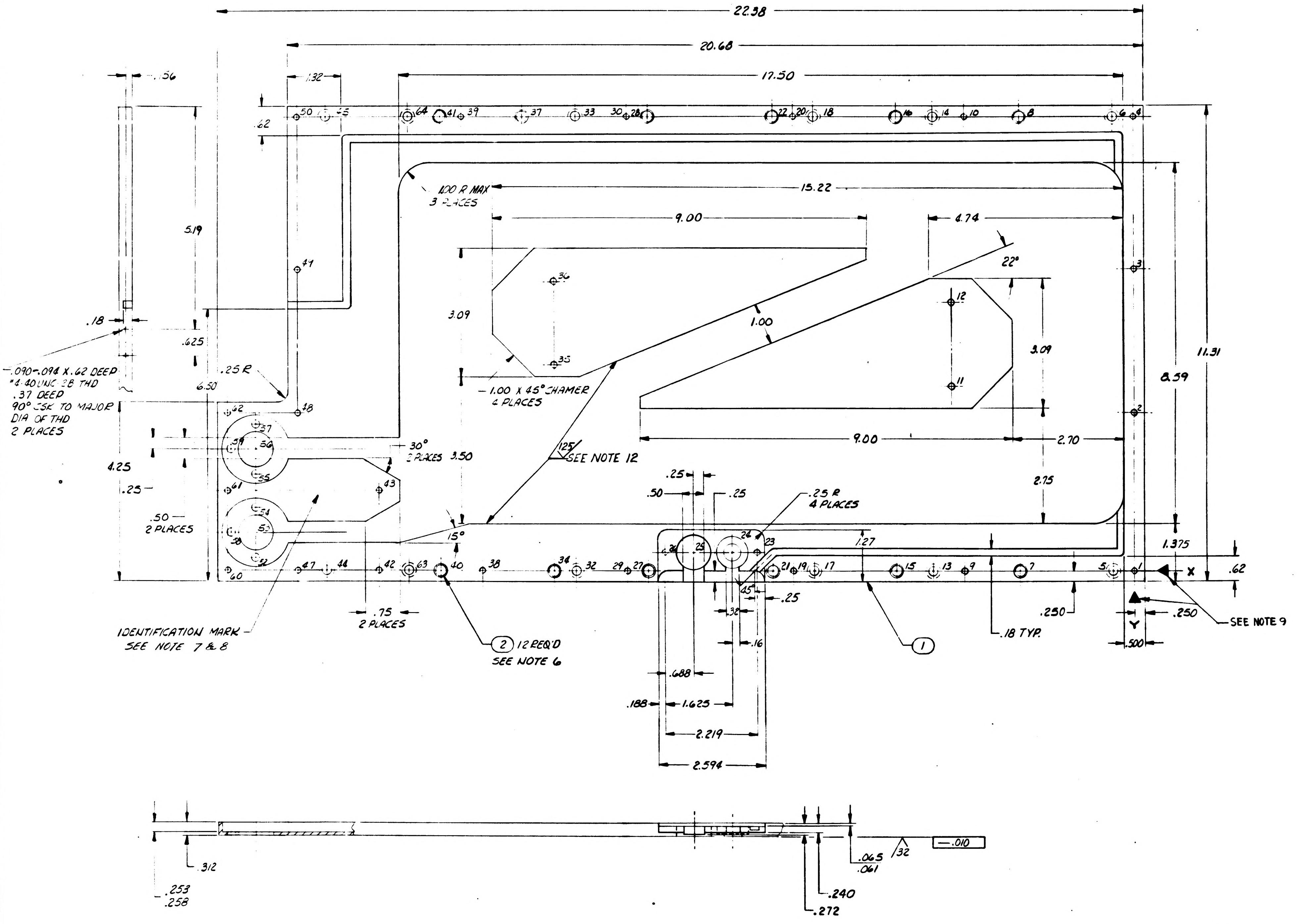
2 Characters 21 Jul 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: AL ALY QQ-A-250/11 TEMPER T651 (ES-2106-6061 T651)
3. FINISH: MIL-C-5541 (ES-591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015 R, OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 63√.
6. INSTALL ITEM 2 PER MS33646
   REMOVE DRIVING TANGS AFTER ASSEMBLY
7. MARK CHARACTERS PER NO.CC2019, .07 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES-267).
9. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
10. HOLE NUMBERS & LETTERS ARE FOR MANUFACTURING REFERENCE.
11. STEP HEIGHTS, RESULTING FROM MACHINING OPERATIONS, NOT TO EXCEED .001 INCH.
12. ALL SIDE WALLS OF TUBE CHANNELS SHALL NOT EXCEED SURFACE ROUGHNESS REQUIREMENT INDICATED.

HOLE	QTY	DESCRIPTION
a	12	.219 THRU - .344 C'BORE .250 DEEP - FARSIDE
b	25	.110-.114 - DO NOT BREAK THRU #6-32UNC-2B THD .22 MIN DEEP CSK 100° TO .190 DIA
c	1	.406 THRU - .718 C'BORE .185-.190 DEEP
d	1	.812 THRU
e	12	.257-.264 THRU, CSK 120° TO .290-.330 DIA FAR SIDE, TAP CLASS 2B THD. FOR 1/4-28 NF HELICAL COIL (SEE NOTE 6)
f	6	.154-.161 THRU
g	2	.812 THRU - 1.625 C'BORE
h	2	.110-.114 - DO NOT BREAK THRU #6-32UNC-2B THD .16 MIN DEEP 90° CSK TO MAJOR DIA OF THD

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 203762		65	
B		REVISED PER MXC 204357		3 SEP 65	PHG
C		REVISED PER MXC 204433		9 SEP 65	PHG
D		REVISED PER MXC 206005		6 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		65	
F		REVISED PER TDRR 23787		65	



22.38
20.68
17.50
.56
.132
.62
5.19
.18
.625
6.50
.25 R
.090-.094 X .62 DEEP #4-40UNC-2B THD .37 DEEP 90° CSK TO MAJOR DIA OF THD 2 PLACES
4.25
.25
.50 2 PLACES
.100 R MAX 3 PLACES
15.22
9.00
4.74
22°
3.09
1.00
1.00 X 45° CHAMER 4 PLACES
30° 2 PLACES
3.50
125√ SEE NOTE 12
9.00
2.70
2.75
8.59
11.31
15°
.25
.50
.25
.25 R 4 PLACES
1.27
1.375
.62
X
Y
.250
.250
SEE NOTE 9
.500
.18 TYP.
①
② 12 REQ'D SEE NOTE 6
IDENTIFICATION MARK SEE NOTE 7 & 8
.75 2 PLACES
.25
.38
.16
.688
.188
1.625
2.219
2.594
.312
.253
.258
.065
.061
32√
.010
.240
.272

COORDINATE DIMENSIONS			
HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE b
2	.000	3.750	b
3	.000	7.188	b
4	.000	10.812	b
5	.500	.000	a
6	.500	10.812	HOLE a
7	2.750	.000	NOTE 6 & HOLE e
8	2.750	10.812	NOTE 6 & HOLE e
9	4.125	.000	HOLE b
10	4.125	10.812	b
11	4.440	4.440	b
12	4.440	6.440	b
13	4.875	.000	a
14	4.875	10.812	HOLE a
15	5.750	.000	NOTE 6 & HOLE e
16	5.750	10.812	NOTE 6 & HOLE e
17	7.750	.000	HOLE a
18	7.750	10.812	a
19	8.250	.000	b
20	8.250	10.812	HOLE b
21	8.750	.000	NOTE 6 & HOLE e
22	8.750	10.812	NOTE 6 & HOLE e
23	——	.438	HOLE h
24	——	.438	c
25	——	.438	d
26	11.344	.438	HOLE h
27	11.750	.000	NOTE 6 & HOLE e
28	11.750	10.812	NOTE 6 & HOLE e
29	12.250	.000	HOLE b
30	12.250	10.812	b
31			
32	13.500	.000	a
33	13.500	10.812	HOLE a
34	14.000	.000	NOTE 6 & HOLE e
35	14.000	4.940	HOLE b
36	14.000	6.940	HOLE b
37	14.750	10.812	NOTE 6 & HOLE e
38	15.750	.000	HOLE b
39	16.250	10.812	HOLE b
40	16.750	.000	NOTE 6 & HOLE e
41	16.750	10.812	NOTE 6 & HOLE e
42	18.250	.000	HOLE b
43	18.250	1.875	b
44	19.500	.000	a
45	19.500	10.812	a
46			
47	20.188	.000	b
48	20.188	3.750	b
49	20.188	7.188	b
50	20.188	10.812	b
51			
52	21.188	.281	f
53	21.188	.875	g
54	21.188	1.469	f
55	21.188	2.281	f
56	21.188	2.875	g
57	21.188	3.469	f
58	21.752	.875	f
59	21.752	2.875	f
60	21.875	.000	b
61	21.875	1.875	b
62	21.875	3.750	b
63	17.500	.000	a
64	17.500	10.812	SEE HOLE a

SEE NOTE 2

ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	12	MS21208F4-10	(1897110-104) INSERT, SCREW THREAD
1	1	2900610-001	HOLDER, COOLING COIL-CDU

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900611-011	6100067-011
2900611-011	6200007-011
2900611-011	2900677-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± —
DECIMALS ±.02 ±.005
ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN
DATE
CHECKED 21 JUL 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL
CDU
INSEPARABLE ASSEMBLY

CODE IDENT NO. 29974
SIZE E
2900610
SCALE 1/1
SHEET

2 21 Jul 65

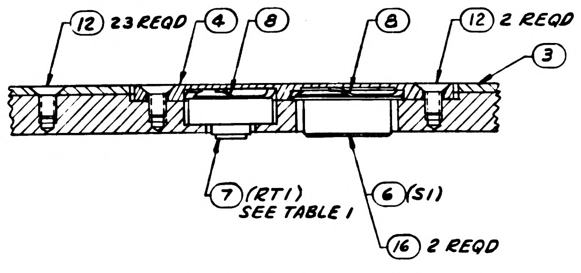
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑮ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM 1.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑳ AND ㉑, OR ITEM ㉒.
6. WIRE PER ND1002032.

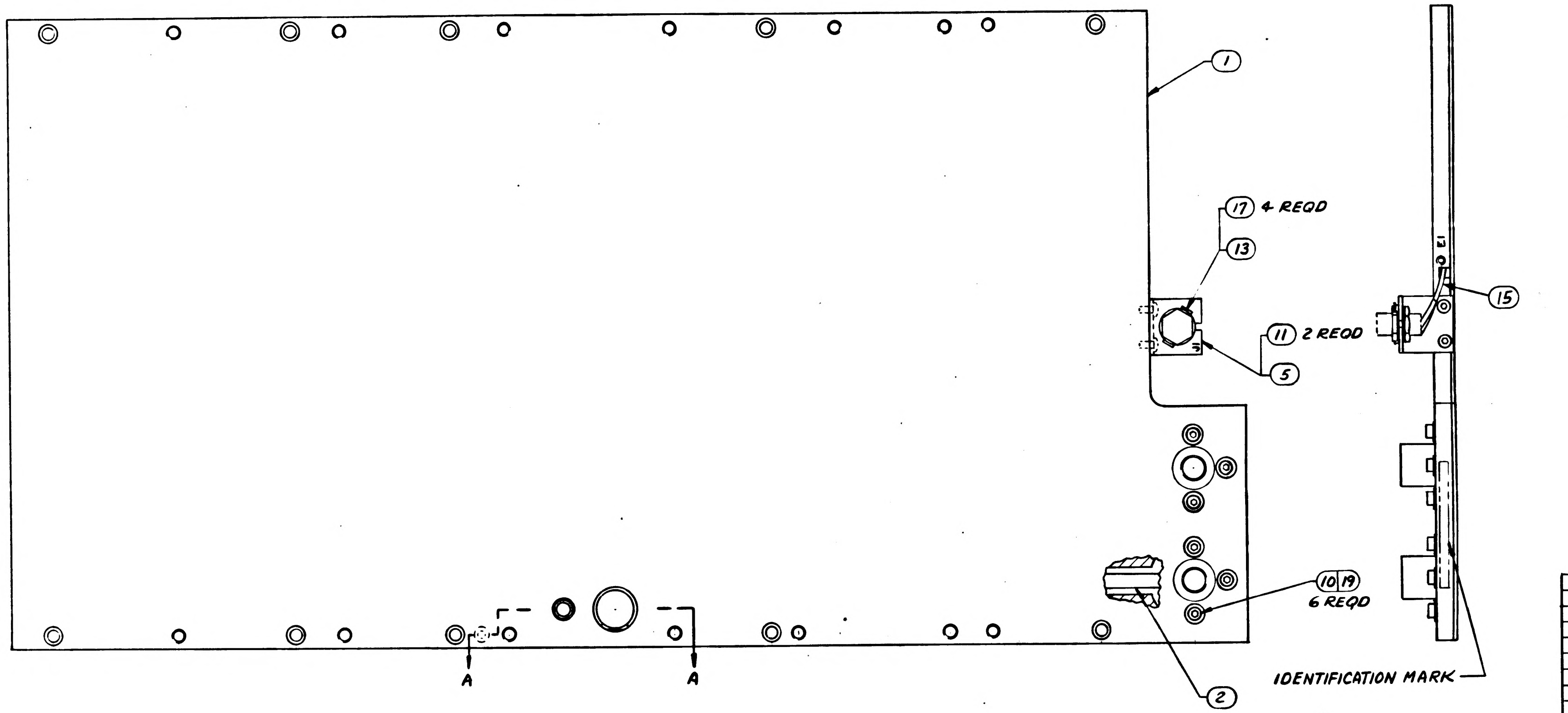
TABLE 1

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	45.25	RT1	J1-D	.20	YES
GREEN	45.25	RT1	J1-E	.20	YES

REVISIONS 23388					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	G	INITIAL RELEASE CLASS A PER TDRR 23388		9 SEP 65	



PARTIAL SECTION AA
SCALE 2/1



SEE NOTE 3

SEE NOTE 3

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
						30		
						29		
						28		
						27		
						26		
						25		
						24		
				1		23	2900370	WIRE LIST AA
				AR		22	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		21	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		20	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				6		19	MS15795-805	WASHER FLAT
						18		
				4		17	1015864-083	INSULATION, SLEEVING, ELECT
				2		16	1015865-416	INSULATION SLEEVING, ELECT
				1		15	1015865-996	INSULATION, SLEEVING, ELECT 43.50 LG.
						14		
				1		13	1897278-002	CONNECTOR, RECEPTACLE ELECT
				25		12	1010477-24	SCREW, FLAT HD 100°
				2		11	1010618-15	SCREW, BUTTON HD
				6		10	1001488-17	SCREW, HEX SOCKET HD
						9		
				2		8	1897269-004	WASHER, SPRING TENSION
				1		7	1897284	RESISTOR, THERMAL-BUTTON
				1		6	1897270-003	SWITCH, THERMOSTATIC
				1		5	2900361	BRACKET, CONNECTOR
				1		4	2900359	COVER
				1		3	2900608	COVER, HOLDER, COOLING COIL
				1		2	2900609	COOLING COIL (INSEP ASSY)
				1		1	2900610	HOLDER COOLING COIL (INSEP ASSY)
QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011
2900677-011	2900677-011	-011
[illegible]-011	2900067-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 10 JUL 65 DATE
CHECKED 21 JUL 65
APPROVAL P. O'Mc[illegible] 21 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE, CDU

CODE IDENT NO. 99974
SIZE E
2900611
SCALE 1/1
SHEET

Charleston 21 JUL 65

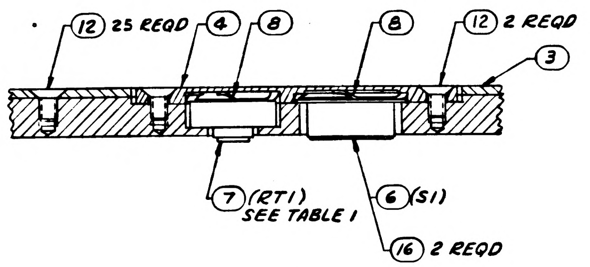
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM (15) OVER WIRES AND ROUTE THRU CHANNEL IN ITEM 1.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (20) AND (21), OR ITEM (22).
6. WIRE PER ND1002032.

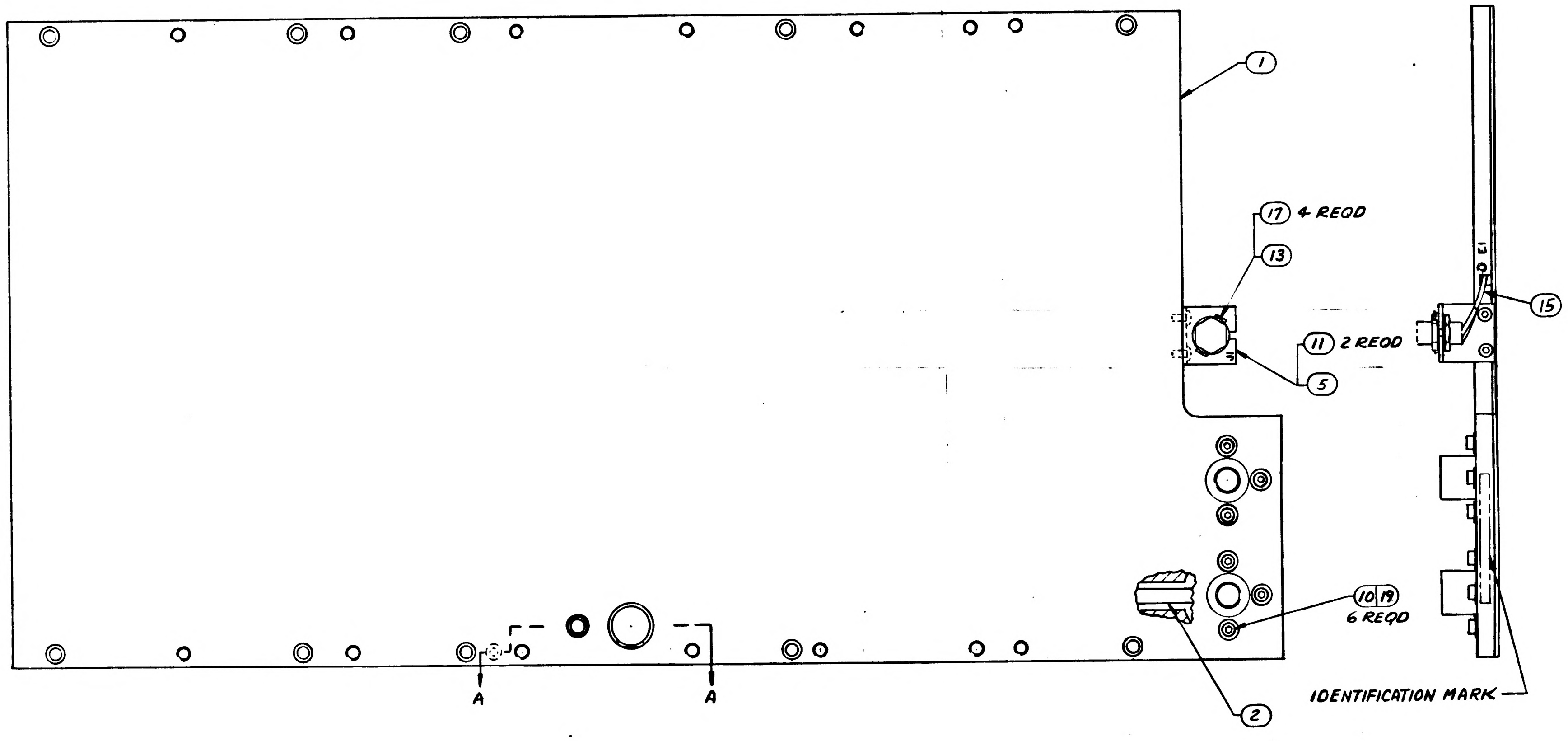
TABLE 1

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	45.25	RT1	J1-D	.20	YES
GREEN	45.25	RT1	J1-E	.20	YES

REVISIONS 23388					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	G	INITIAL RELEASE CLASS A PER TDRR 23388		9 SEP 65	
	H	REVISED PER TDRR 24720		20 DEC 65	JHF



PARTIAL SECTION AA
SCALE 2/1



SEE NOTE 3

SEE NOTE 3

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
					30		
					29		
					28		
					27		
					26		
					25		
					24		
			1		23	2900370	WIRE LIST AA
			AR		22	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR		21	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR		20	SN60WS	SOLDER QQ-S-571 (ES2175-1)
			6		19	MS15795-805	WASHER FLAT
					18		
			4		17	1015864-083	INSULATION, SLEEVING, ELECT
			2		16	1015865-416	INSULATION SLEEVING, ELECT
			1		15	1015865-996	INSULATION, SLEEVING, ELECT-3.50 LG.
					14		
			1		13	1897278-002	CONNECTOR, RECEPTACLE, ELECT
			27		12	1010477-24	SCREW, FLAT HD 100°
			2		11	1010618-15	SCREW, BUTTON HD
			6		10	1001488-17	SCREW, HEX SOCKET HD
					9		
			2		8	1897269-004	WASHER, SPRING TENSION
			1		7	1897284	RESISTOR, THERMAL-BUTTON
			1		6	1897270-003	SWITCH, THERMOSTATIC
			1		5	2900361	BRACKET, CONNECTOR
			1		4	2900359	COVER
			1		3	2900608	COVER, HOLDER, COOLING COIL
			1		2	2900609	COOLING COIL (INSEP ASSY)
			1		1	2900610	HOLDER, COOLING COIL (INSEP ASSY)
QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011
2900677-011	2900677-011	-011
[illegible]-011	[illegible]-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS +__ −__ DECIMALS ± .02 ANGLES +__ −__
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 10 JULY 65 DATE
CHECKED 21 JUL 65
APPROVAL P. O'Malley 21 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE, CDU

CODE IDENT NO. 99974
SIZE E
2900611
SCALE
SHEET

Charleston 21 JUL 65

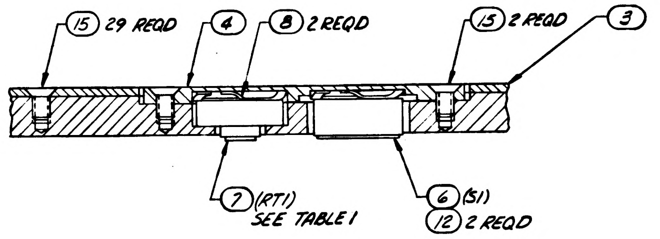
REVISIONS					23388
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
C		REVISED PER MXC 204820		2 SEP 65	
D		REVISED PER MXC 205469		5 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	

NOTES:

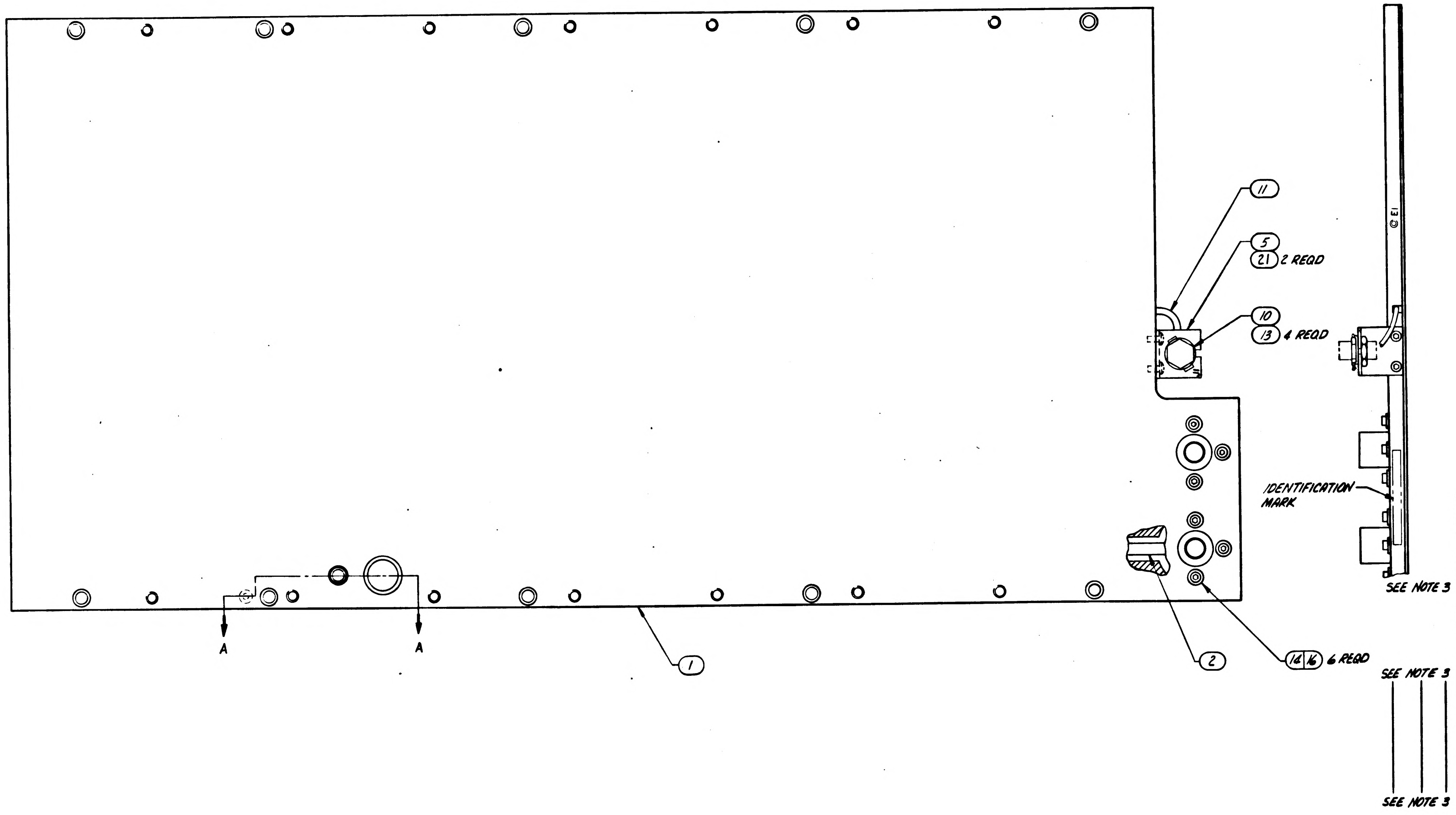
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267)
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑪ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑰ AND ⑱ OR ITEM ⑲.
6. WIRE PER ND1002032.

TABLE 1

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	49.00	RT1	J1-D	.20	YES
GREEN	49.00	RT1	J1-E	.20	YES



PARTIAL SECTION AA
SCALE 2:1



QUANTITY REQUIRED					EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
						27		
						26		
						25		
						24		
						23		
						22		
				2		21	1010618-15	SCREW BUTTON HD.
				1		20	2900445	WIRE LIST AA
				AR		19	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		18	MIL-F-14256 TYPE A OR N	FLUX (ES 2798)
				AR		17	SN60 WS	SOLDER QQ-S-571 (ES2175-1
				6		16	MS 15795-805	WASHER, FLAT
				31		15	1010477-24	SCREW, FLAT HD 100°
				6		14	1001488-17	SCREW, HEX SOCKET HD.
				4		13	1015864-083	INSULATION, SLEEVING, ELEC
				2		12	1015865-416	INSULATION, SLEEVING, ELEC
				1		11	1015865-996	INSULATION, SLEEVING ELEC
				1		10	1897278-003	CONNECTOR, RECEPTACLE ELEC
						9		
				2		8	1897269-004	WASHER, SPRING TENSION
				1		7	1897323	RESISTOR, THERMAL-BUTTON
				1		6	1897270-002	SWITCH THERMOSTATIC
				1		5	2900361	BRACKET, CONNECTOR
				1		4	2900359	COVER
				1		3	2900614	COVER, HOLDER, COOLING COIL
				1		2	2900615	COOLING COIL (INSEP ASSY)
				1		1	2900613	HOLDER, COOLING COIL (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900067-011	6900067-011	
6900007-011	6900007-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - DECIMALS +.02 - ANGLES + -
DO NOT SCALE THIS DRAWING
MATERIAL -
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R.J. Olson DATE 12 JULY 65
CHECKED D. Root 23 JUL 65
APPROVAL P.O. Malley 26 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

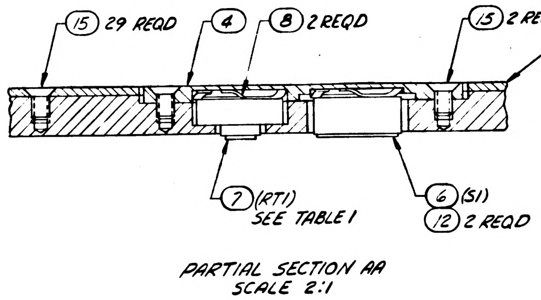
COLDPLATE,
CGC/LGC

CODE IDENT NO. 99974
SIZE E
2900612
SCALE 1/1
SHEET 1 OF 1

2 Charleston 26 JUL 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267)
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑪ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑰ AND ⑧ OR ITEM ⑲.
6. WIRE PER ND1002032.



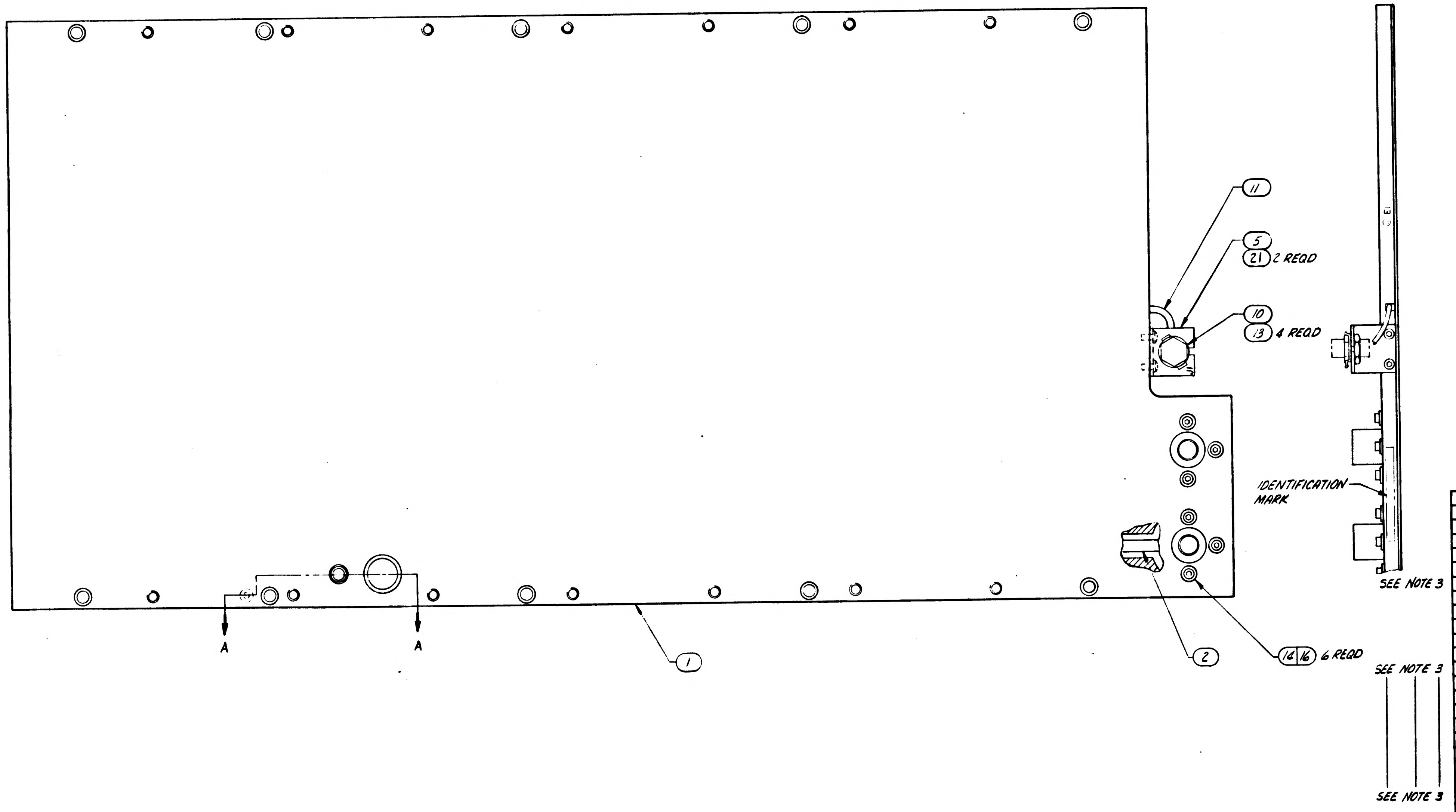
PARTIAL SECTION AA
SCALE 2:1

TABLE I

LEAD IDENT	LEAD CUT LG	FROM	TO CKT PT	TO STRIP	TO TIN
YELLOW	49.00	RT1	J1-D	.20	YES
GREEN	49.00	RT1	J1-E	.20	YES

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
C		REVISED PER MXC 204820		SEP 65	
D		REVISED PER MXC 205469		5 OCT 65	JHP
E		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	
	F	REVISED PER TDRR 24577		13 DEC 65	JHP



LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		27		
		26		
		25		
		24		
		23		
		22		
2		21	1010618-15	SCREW BUTTON HD.
1		20	2900445	WIRE LIST AH
AR		19	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
AR		18	MIL-F-14256 TYPE A OR W	FLUX (ES 2798)
AR		17	SN60 WS	SOLDER QQ-S-571 (ES 2175-1)
6		16	MS 15795-805	WASHER, FLAT
31		15	1010477-24	SCREW, FLAT HD 100°
6		14	1001488-17	SCREW, HEX SOCKET HD
4		13	1015864-083	INSULATION, SLEEVING, ELEC
2		12	1015865-416	INSULATION, SLEEVING, ELEC
1		11	1015865-996	INSULATION, SLEEVING, ELEC 47.25 LG
1		10	1897278-003	CONNECTOR, RECEPTACLE ELEC.
		9		
2		8	1897269-004	WASHER, SPRING TENSION
1		7	1897323	RESISTOR, THERMAL-BUTTON
1		6	1897270-002	SWITCH THERMOSTATIC
1		5	2900361	BRACKET, CONNECTOR
1		4	2900359	COVER
1		3	2900614	COVER, HOLDER, COOLING COIL
1		2	2900615	COOLING COIL (INSEP ASSY)
1		1	2900613	HOLDER, COOLING COIL (INSEP ASSY)

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900067-01	6900067-01	
6900067-011	6900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - DECIMALS + .02 - ANGLES + -
DO NOT SCALE THIS DRAWING

MATERIAL -

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN

ACSP PN

DRAWN R.J. Olson DATE 12 JULY 65
CHECKED 23 JUL 65
APPROVAL 26 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE,
CGC/LGC

CODE IDENT NO 99974
SIZE E
2900612
SCALE 1/1
SHEET 1 OF 1

2 Charleston 26 JUL 65

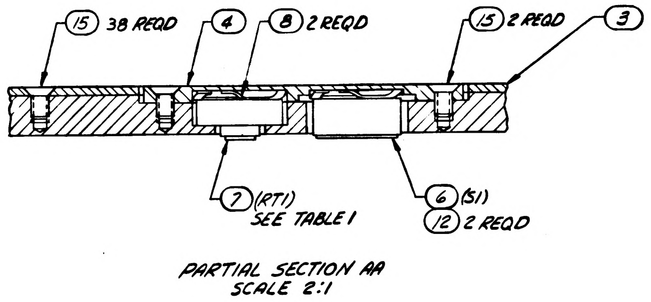
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267)
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑪ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑰ AND ⑱ OR ITEM ⑲.
6. WIRE PER ND1002032.

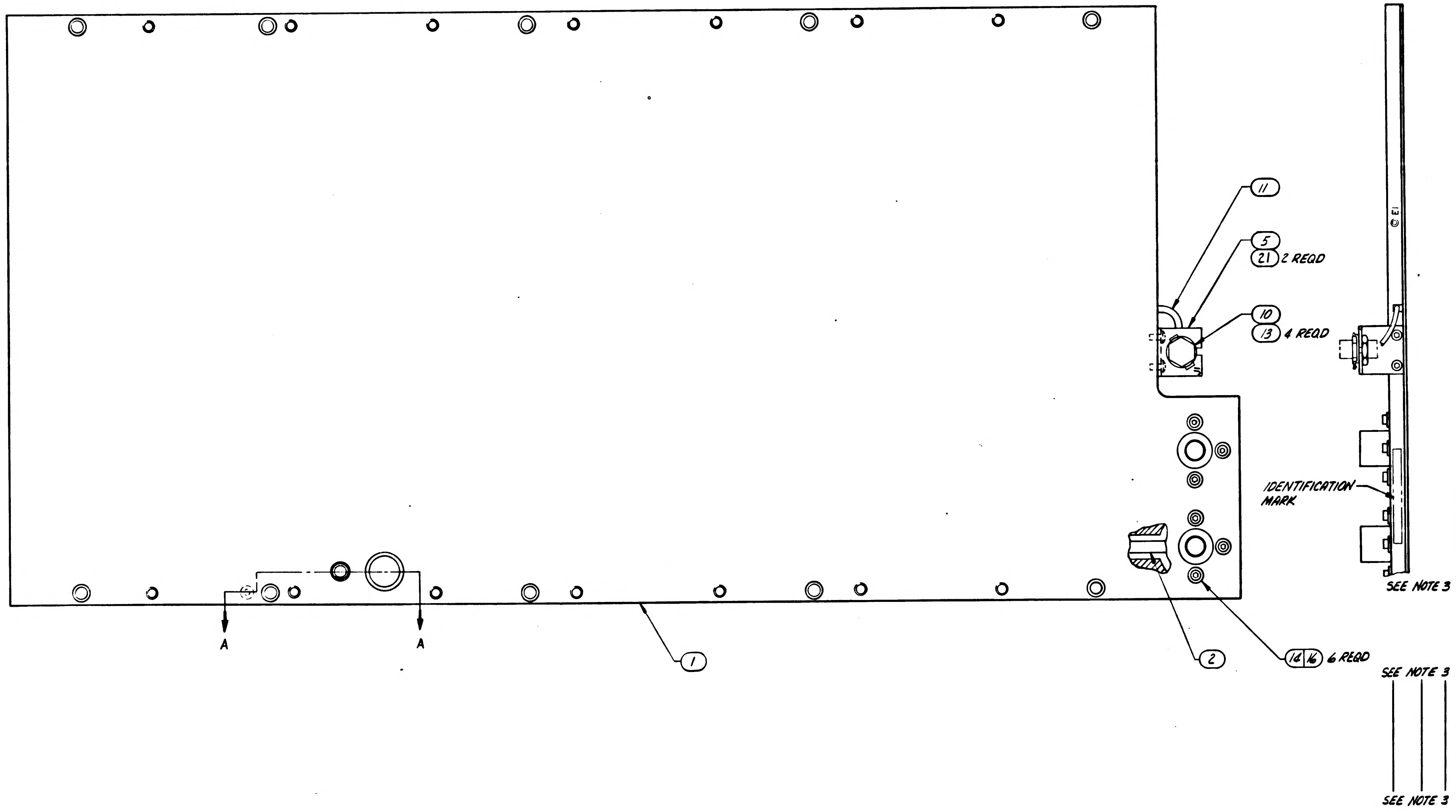
TABLE I

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	49.00	RT1	J1-D	.20	YES
GREEN	49.00	RT1	J1-E	.20	YES

REVISIONS 23388					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
C		REVISED PER MXC 204820		1 SEP 65	
D		REVISED PER MXC 205469		5 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		8 OCT 65	
	F	REVISED PER TDRR 24577		13 DEC 65	
	G	REVISED PER TDRR 24574		14 DEC 65	



PARTIAL SECTION AA
SCALE 2:1



					27		
					26		
					25		
					24		
					23		
					22		
			2		21	1010618-15	SCREW BUTTON HD.
			1		20	2900445	WIRE LIST AA
			AR		19	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR		18	MIL-F-14256 TYPE A OR W	FLUX (ES 2798)
			AR		17	SN60WS	SOLDER QQ-S-571 (ES 2175-1)
			6		16	MS 15795-805	WASHER, FLAT
			40		15	1010477-24	SCREW, FLAT HD 100°
			6		14	1001488-17	SCREW, HEX SOCKET HD.
			4		13	1015864-083	INSULATION, SLEEVING, ELEC
			2		12	1015865-416	INSULATION, SLEEVING, ELEC
			1		11	1015865-996	INSULATION, SLEEVING ELEC [illegible]
			1		10	1897278-003	CONNECTOR, RECEPTACLE ELEC.
					9		
			2		8	1897269-004	WASHER, SPRING TENSION
			1		7	1897323	RESISTOR, THERMAL-BUTTON
			1		6	1897270-002	SWITCH THERMOSTATIC
			1		5	2900361	BRACKET, CONNECTOR
			1		4	2900359	COVER
			1		3	2900614	COVER, HOLDER, COOLING COIL
			1		2	2900615	COOLING COIL (WSEP ASSY)
			1		1	2900613	HOLDER, COOLING COIL (WSEP ASSY)
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900067-011	6900067-011	
6900007-011	6900007-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - — DECIMALS + .02 - — ANGLES + - —
DO NOT SCALE THIS DRAWING
MATERIAL -
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R.J. Olson DATE 12 JULY 65
CHECKED D.R. Hoff 23 JUL 65
APPROVAL P.O. Malloy 26 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE,
CGC/LGC

CODE IDENT NO. 99974
SIZE E
2900612
SCALE 1/1
SHEET 1 OF 1

2 Charleston 26 JUL 65

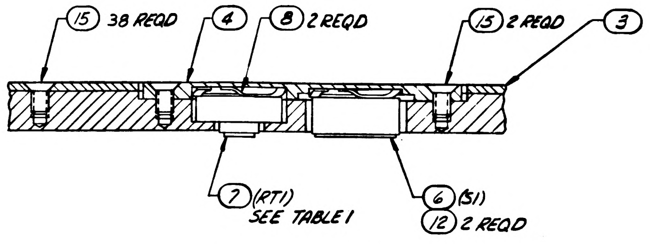
		REVISIONS		23388	
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
C		REVISED PER MXC 204820		3 SEP 65	
D		REVISED PER MXC 205469		5 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		8 OCT 65	
	F	REVISED PER TDRR 24577		13 DEC 65	
	G	REVISED PER TDRR 24574		16 DEC 65	
	H	REVISED PER TDRR 25276		20 JAN 66	

NOTES:

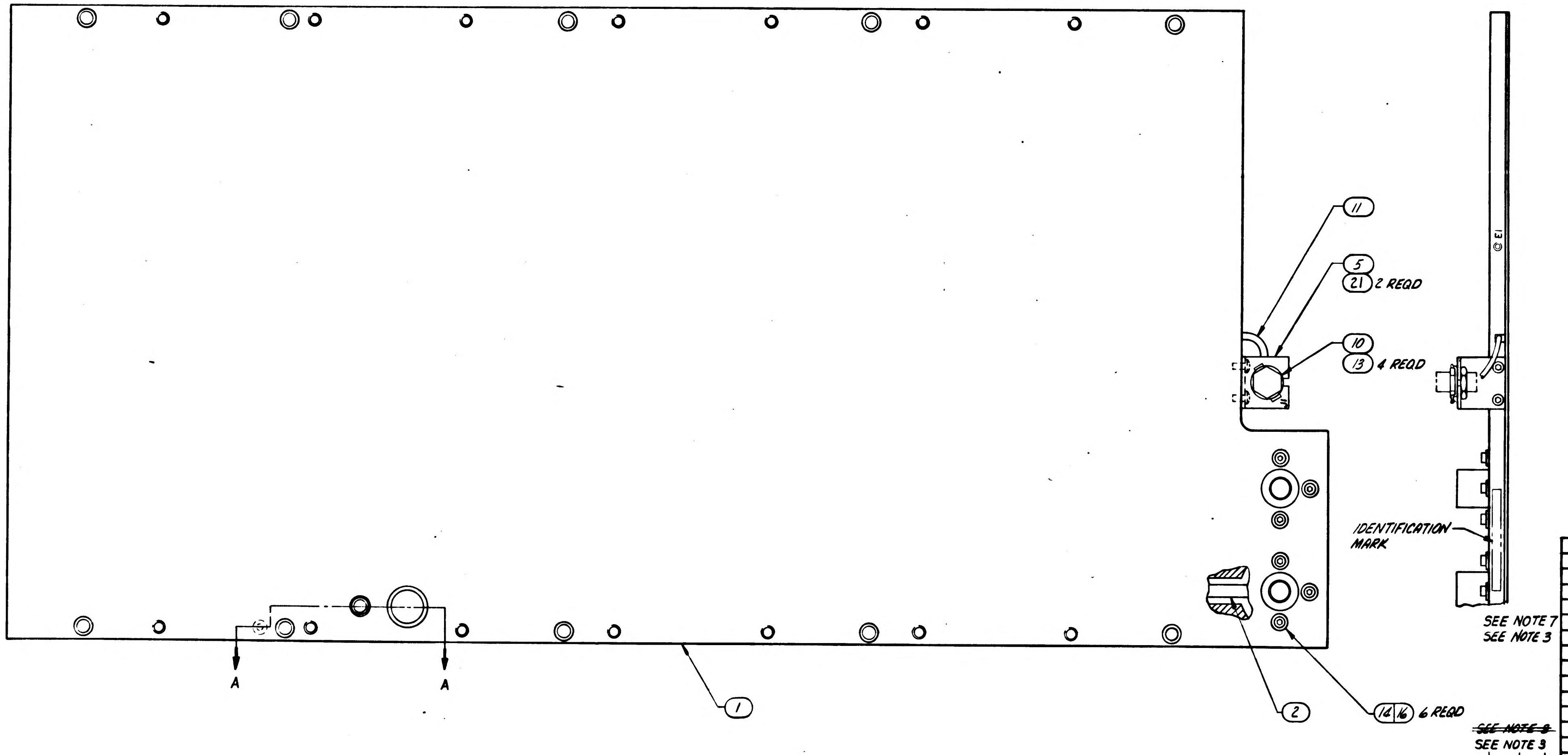
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267)
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑪ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑰ AND ⑧ OR ITEM ⑲.
6. WIRE PER ND1002032.
7. APPLY ITEM ㉒ TO THE THREADS OF ITEM ⑮.

TABLE I

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	49.00	RT1	J1-D	.20	YES
GREEN	49.00	RT1	J1-E	.20	YES



PARTIAL SECTION AA
SCALE 2:1



						ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
						27		
						26		
						25		
						24		
						23		
SEE NOTE 7				AR		22	MIL-S-22473	THD SEALING COMPOUND (GRADE E)
SEE NOTE 3				2		21	1010618-15	SCREW BUTTON HD.
				1		20	2900145	WIRE LIST AA
				AR		19	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		18	MIL-F-14256 TYPE A OR N	FLUX (ES 2[illegible]98)
				AR		17	SN60WS	SOLDER QQ-S-571 (ES 2175-1)
				6		16	MS 15795-805	WASHER, FLAT
~~SEE NOTE 8~~				40		15	AN507C632-4	(1897003-032) SCREW FL HD 100°
SEE NOTE 3				6		14	1001488-17	SCREW, HEX SOCKET HD
				4		13	1015864-083	INSULATION, SLEEVING, ELEC
				2		12	1015865-416	INSULATION, SLEEVING, ELEC
				1		11	1015865-996	INSULATION, SLEEVING ELEC [illegible]
				1		10	1897278-003	CONNECTOR, RECEPTACLE ELEC.
						9		
				2		8	1897269-004	WASHER, SPRING TENSION
				1		7	1897323	RESISTOR, THERMAL-BUTTON
SEE NOTE 3				1		6	1897270-002	SWITCH THERMOSTATIC
				1		5	2900361	BRACKET, CONNECTOR
				1		4	2900359	COVER
				1		3	2900614	COVER, HOLDER, COOLING COIL
				1		2	2900615	COOLING COIL (INSEP ASSY)
				1		1	2900613	HOLDER, COOLING COIL (INSEP ASSY)
				011	EFFECTIVITY			
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900067-011	6900067-011	
~~6900007-011~~	6900007-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - DECIMALS + .02 - ANGLES + -
DO NOT SCALE THIS DRAWING
MATERIAL -
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.J. Olson DATE 12 JULY 65
CHECKED D.K. Lot 23 JUL 65
APPROVAL P.C. Malley 26 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE,
CGC/LGC

CODE IDENT NO. 99974
SIZE E
2900612
SCALE 1/1
SHEET 1 OF 1

Charleston 26 JUL 65

NOTES:

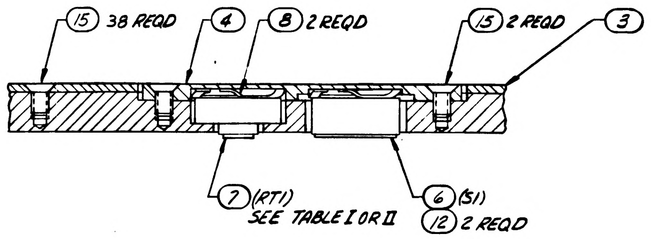
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267)
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SHRINK SLEEVING ITEM ⑪ OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ①.
5. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS ⑰ AND ⑱ OR ITEM ⑲.
6. WIRE PER ND1002032.
7. APPLY ITEM ㉒ TO THE THREADS OF ITEM ⑮.

TABLE I (-011 CONFIGURATION)

LEAD IDENT	LEAD CUT LG	FROM	TO CKT PT	TO STRIP	TO TIN
YELLOW	49.00	RT1	J1-D	.20	YES
GREEN	49.00	RT1	J1-E	.20	YES

TABLE II (-021 CONFIGURATION)

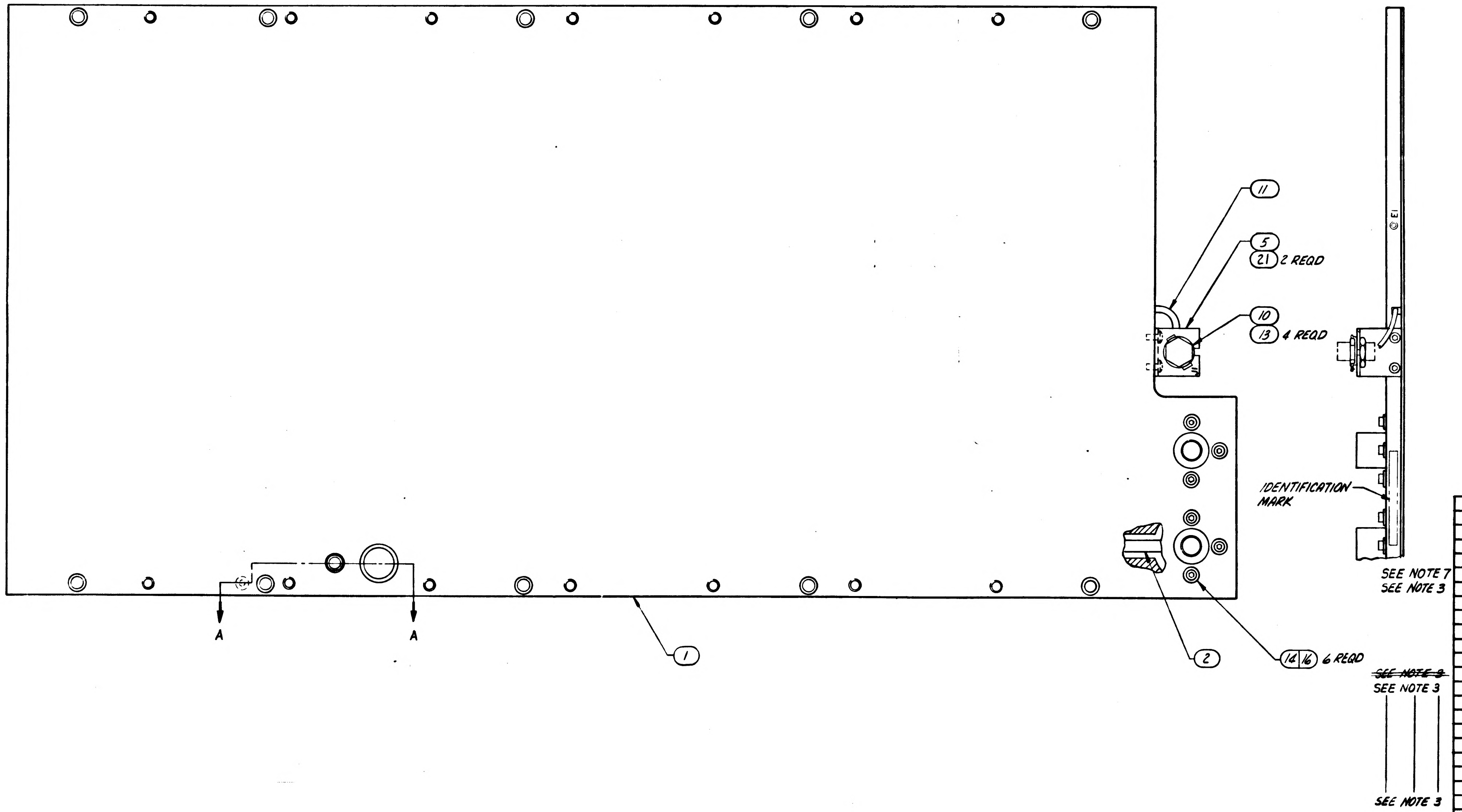
LEAD IDENT	LEAD CUT LG	FROM	TO CKT PT	TO STRIP	TO TIN
YELLOW	49.00	RT1	J1-F	.20	YES
GREEN	49.00	RT2	J1-E	.20	YES



PARTIAL SECTION AA
SCALE 2:1

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
C		REVISED PER MXC 204820		3 SEP 65	
D		REVISED PER MXC 205469		5 OCT 65	
E		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	
	F	REVISED PER TDRR 24577		15 DEC 65	
	G	REVISED PER TDRR 24574		16 DEC 65	
	H	REVISED PER TDRR 25276		20 JAN 66	
	J	REVISED PER TDRR 27604		5 APR 66	



		021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
					27		
					26		
					25		
					24		
					23		
		AR	AR		22	MIL-S-22473	THD SEALING COMPOUND (GRADE E)
		2	2		21	1010618-15	SCREW BUTTON HD.
		1	1		20	2900445	WIRE LIST AA
		AR	AR		19	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
		AR	AR		18	MIL-F-14256 TYPE A ORIN	FLUX (ES 2798)
		AR	AR		17	SN60 WS	SOLDER QQ-S-571 (ES 2175-1)
		6	6		16	MS 15795-805	WASHER, FLAT
		40	40		15	AN 507C632-4	(897003-032) SCREW FL HD 100°
		6	6		14	1001488-17	SCREW, HEX SOCKET HD.
		4	4		13	1015864-083	INSULATION, SLEEVING, ELEC
		2	2		12	1015865-416	INSULATION, SLEEVING, ELEC
		1	1		11	1015865-996	INSULATION, SLEEVING ELEC [illegible]
		1	1		10	1897278-003	CONNECTOR, RECEPTACLE ELEC.
					9		
		2	2		8	1897269-004	WASHER, SPRING TENSION
		1	1		7	1897323	RESISTOR THERMAL - BUTTON
		1	1		6	1897270-002	SWITCH THERMOSTATIC
		1	1		5	2900361	BRACKET. CONNECTOR
		1	1		4	2900359	COVER
		1	1		3	2900614	COVER, HOLDER, COOLING COIL
		1	1		2	2900615	COOLING COIL (INSEP ASSY)
		1	1		1	2900613	HOLDER, COOLING COIL (INSEP ASSY)

QUANTITY REQUIRED
LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900067-011	6900067-011	
6900007-011	6900007-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + -
DECIMALS + .02 -
ANGLES + -
DO NOT SCALE THIS DRAWING
MATERIAL -
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R G Olson DATE 12 JULY 65
CHECKED D K Root 23 JUL 65
APPROVAL P. O Malley 26 JUL 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE,
CGC/LGC

CODE IDENT NO. 99974
SIZE E
2900612
SCALE 1/1
SHEET 1 OF 1

Charleston 26 JUL 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T651 (AL ALY ES2106 6061 T651).
3. FINISH: MIL-C-5541 (ES 591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015 R. OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 63/.
6. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. INSTALL ITEM ② PER MS33646. REMOVE DRIVING TANGS AFTER ASSEMBLY.
9. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
10. HOLE NUMBERS AND LETTERS ARE FOR MANUFACTURING REFERENCE.
11. STEP HEIGHTS, RESULTING FROM MACHINING OPERATIONS, NOT TO EXCEED .001 INCH.
12. ALL SIDE WALLS OF TUBE CHANNELS SHALL NOT EXCEED SURFACE ROUGHNESS REQUIREMENT INDICATED.

COORDINATE DIMENSIONS

HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE c
2	.000	2.970	c
3	.000	5.970	c
4	.000	8.970	c
5	.000	11.938	c
6	1.250	.000	a
7	1.250	11.938	a
8	2.250	.000	c
9	2.250	11.938	c
10	2.750	.000	b
11	2.750	11.938	b
12	4.750	.000	c
13	4.750	11.938	c
14	5.000	4.970	c
15	5.000	6.970	c
16	5.250	.000	a
17	5.250	11.938	a
18	5.750	.000	b
19	5.750	11.938	b
20	———	.438	d
21	———	.438	SEE HOLE g
22	———	.438	.812 THRU
23	8.360	.438	SEE HOLE d
24	8.750	.000	SEE HOLE b
25	8.750	11.938	SEE HOLE b

COORDINATE DIMENSIONS

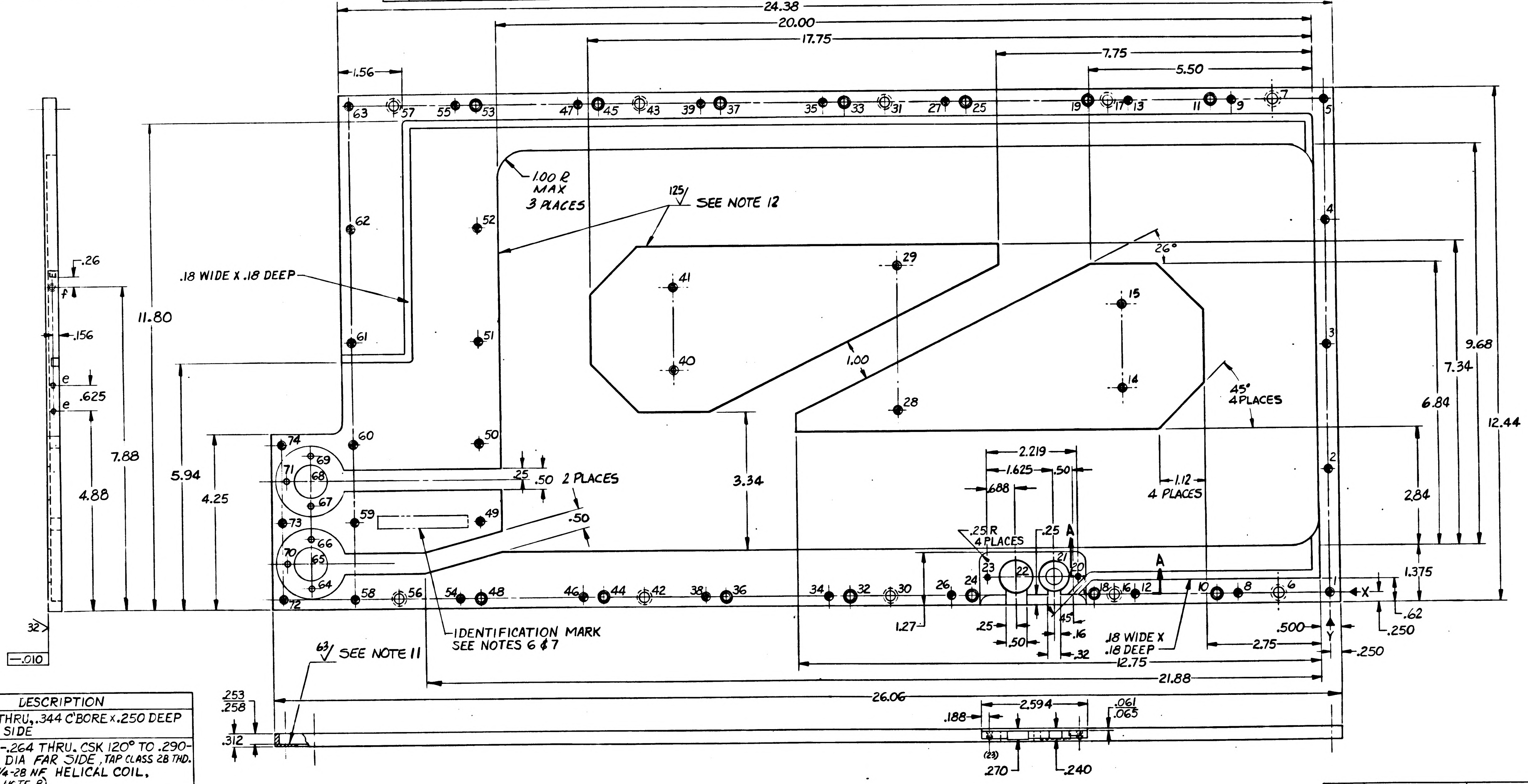
HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
26	9.250	.000	SEE HOLE c
27	9.250	11.938	c
28	10.500	4.470	c
29	10.500	7.970	c
30	10.750	.000	a
31	10.750	11.938	a
32	11.750	.000	b
33	11.750	11.938	b
34	12.250	.000	c
35	12.250	11.938	c
36	14.750	.000	b
37	14.750	11.938	b
38	15.250	.000	c
39	15.250	11.938	c
40	16.000	5.470	c
41	16.000	7.470	c
42	16.750	.000	a
43	16.750	11.938	a
44	17.750	.000	b
45	17.750	11.938	b
46	18.250	.000	c
47	18.250	11.938	c
48	20.750	.000	b
49	20.750	1.875	c
50	20.750	3.750	SEE HOLE c

COORDINATE DIMENSIONS

HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
51	20.750	6.220	SEE HOLE c
52	20.750	8.970	c
53	20.750	11.938	b
54	21.250	.000	c
55	21.250	11.938	c
56	22.750	.000	a
57	22.750	11.938	a
58	23.875	.000	c
59	23.875	1.875	c
60	23.875	3.750	c
61	23.875	6.220	c
62	23.875	8.970	c
63	23.875	11.938	SEE HOLE c
64	24.875	.281	.154-.161 THRU
65	24.875	.875	.812 THRU, 1.625 C'BORE
66	24.875	1.469	.154-.161 THRU
67	24.875	2.281	.154-.161 THRU
68	24.875	2.875	.812 THRU, 1.625 C'BORE
69	24.875	3.469	.154-.161 THRU
70	25.469	.875	.154-.161 THRU
71	25.469	2.875	.154-.161 THRU
72	25.562	.000	SEE HOLE c
73	25.562	1.875	SEE HOLE c
74	25.562	3.750	SEE HOLE c

REVISIONS 23388

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
B		REPLACES REV (A) WITH CHANGE PER MXC 204821		10 SEP 65	
C		REVISED PER MXC 206006		16 OCT 65	
D		INITIAL RELEASE CLASS A PER TDRR 23388		8 OCT 65	R


24.38
20.00
17.75
7.75
5.50
1.56
63
57
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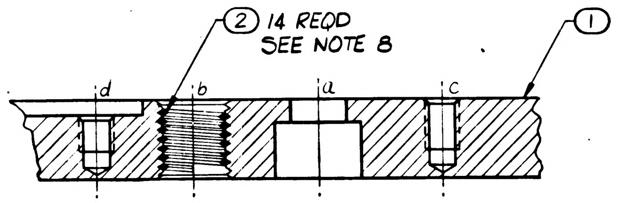
16
12
10
8
6
41
40
29
28
15
14
1.00 R MAX 3 PLACES
125/ SEE NOTE 12
26°
.18 WIDE X .18 DEEP
1.00
45° 4 PLACES
9.68
7.34
6.84
12.44
11.80
7.88
5.94
4.88
4.25
3.34
2.84
1.375
.26
.156
.625
e
e
f
25
.50
2 PLACES
.50
2.219
1.625
.50
.688
.25 R 4 PLACES
.25
A
A
1.12 4 PLACES
X
Y
.62
.250
.500
.250
2.75
1.27
.25
.50
.45
.16
.32
.18 WIDE X .18 DEEP
12.75
21.88
IDENTIFICATION MARK SEE NOTES 6 & 7
63/ SEE NOTE 11
32>
—.010
26.06
.253
.258
.312
.188
2.594
.061
.065
(23)
.270
.240


② 14 REQD SEE NOTE 8
①
d
b
a
c

PARTIAL SECTION A-A
SCALE 4:1

HOLE	QTY	DESCRIPTION
a	10	.219 THRU, .344 C'BORE x .250 DEEP FAR SIDE
b	14	.257-.264 THRU. CSK 120° TO .290-.330 DIA FAR SIDE, TAP CLASS 2B THD. FOR 1/4-28 NF HELICAL COIL. (SEE NOTE 8)
c	38	.110-.114 DO NOT BREAK THRU 6-32 NC-2B THD .22 MIN DEEP CSK 100° TO .160 DIA.
d	2	.110-.114 DO NOT BREAK THRU 6-32 NC-2B THD .16 MIN DEEP CSK 90° TO MAJOR DIA OF THD
e	2	.090-.094 X .62 DEEP, 4-40 NC-2B THD .37 DEEP, 90° CSK TO MAJOR DIA OF THD
f	1	.135-.139 X .78 DEEP, 8-32 NC-2B THD .50 DEEP, 90° CSK TO MAJOR DIA OF THD.
g	1	.406 THRU, .718 C'BORE, .185-.190 DEEP

SEE NOTE 2

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	14	MS21208F4-10	(1897110-104) INSERT, SCREW THD
1	1	2900613-001	HOLDER, COOLING COIL

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900612-011	2900067-011
2900612-011	2900007-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — −
DECIMALS ±.02 ±.005
ANGLES +1/2° −
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Weissert DATE 10 JUN 65
CHECKED 2 SEP 65
APPROVAL Pat O'Malley 2 SEP 65
APPROVAL 9-30-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL
CGC-LGC
(INSEPARABLE ASSEMBY)

CODE IDENT NO. 99974
SIZE E
2900613
SCALE FULL
SHEET 1 OF 1

Charleston 2 SEP 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T651 (AL ALY ES2106 6061 T651).
3. FINISH: MIL-C-5541 (ES 591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015 R. OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 63/.
6. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
8. INSTALL ITEM ② PER MS33646. REMOVE DRIVING TANGS AFTER ASSEMBLY.
9. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
10. HOLE NUMBERS AND LETTERS ARE FOR MANUFACTURING REFERENCE.
11. STEP HEIGHTS, RESULTING FROM MACHINING OPERATIONS, NOT TO EXCEED .001 INCH.
12. ALL SIDE WALLS OF TUBE CHANNELS SHALL NOT EXCEED SURFACE ROUGHNESS REQUIREMENT INDICATED.

COORDINATE DIMENSIONS

HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE C
2	.000	2.970	C
3	.000	5.970	C
4	.000	8.970	C
5	.000	11.938	C
6	1.250	.000	a
7	1.250	11.938	a
8	2.250	.000	C
9	2.250	11.938	C
10	2.750	.000	b
11	2.750	11.938	b
12	4.750	.000	C
13	4.750	11.938	C
14	5.000	4.970	C
15	5.000	6.970	C
16	5.250	.000	a
17	5.250	11.938	a
18	5.750	.000	b
19	5.750	11.938	b
20	——	.438	d
21	——	.438	SEE HOLE g
22	——	.438	.812 THRU
23	8.360	.438	SEE HOLE d
24	8.750	.000	SEE HOLE b
25	8.750	11.938	SEE HOLE b

COORDINATE DIMENSIONS

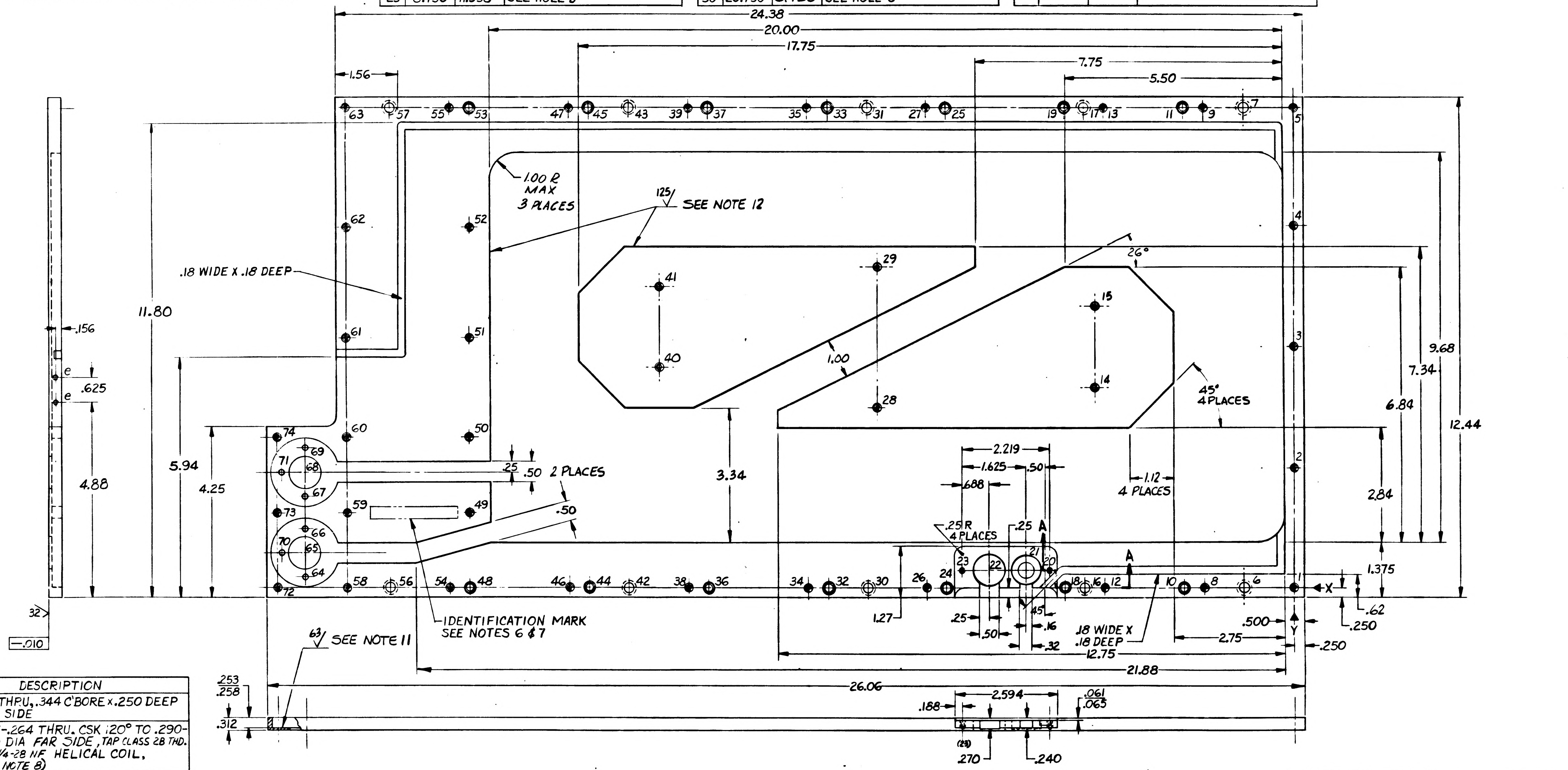
HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
26	9.250	.000	SEE HOLE C
27	9.250	11.938	C
28	10.500	4.470	C
29	10.500	7.970	C
30	10.750	.000	a
31	10.750	11.938	a
32	11.750	.000	b
33	11.750	11.938	b
34	12.250	.000	C
35	12.250	11.938	C
36	14.750	.000	b
37	14.750	11.938	b
38	15.250	.000	C
39	15.250	11.938	C
40	16.000	5.470	C
41	16.000	7.470	C
42	16.750	.000	a
43	16.750	11.938	a
44	17.750	.000	b
45	17.750	11.938	b
46	18.250	.000	C
47	18.250	11.938	C
48	20.750	.000	b
49	20.750	1.875	C
50	20.750	3.750	SEE HOLE C

COORDINATE DIMENSIONS

HOLE NO	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
51	20.750	6.220	SEE HOLE C
52	20.750	8.970	C
53	20.750	11.938	b
54	21.250	.000	C
55	21.250	11.938	C
56	22.750	.000	a
57	22.750	11.938	a
58	23.875	.000	C
59	23.875	1.875	C
60	23.875	3.750	C
61	23.875	6.220	C
62	23.875	8.970	C
63	23.875	11.938	SEE HOLE C
64	24.875	.281	.154-.161 THRU
65	24.875	.875	.812 THRU, 1.625 C'BORE
66	24.875	1.469	.154-.161 THRU
67	24.875	2.281	.154-.161 THRU
68	24.875	2.875	.812 THRU, 1.625 C'BORE
69	24.875	3.469	.154-.161 THRU
70	25.469	.875	.154-.161 THRU
71	25.469	2.875	.154-.161 THRU
72	25.562	.000	SEE HOLE C
73	25.562	1.875	SEE HOLE C
74	25.562	3.750	SEE HOLE C

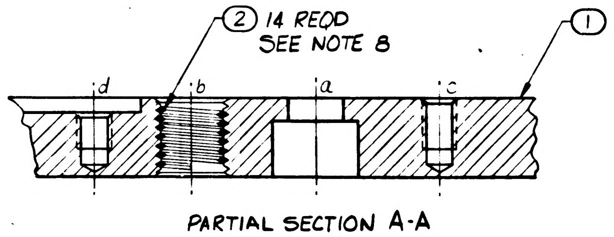
REVISIONS 23386

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
B		REPLACES REV (A) WITH CHANGE PER MXC 204821		10 SEP 65	
C		REVISED PER MXC 206006		16 OCT 65	
D		INITIAL RELEASE CLASS A PER TDRR 23388		18 OCT 65	
E		REVISED PER TDRR 23786		9 NOV 65	



24.38
20.00
17.75
7.75
5.50
1.56
1.00 R MAX 3 PLACES
125/ SEE NOTE 12
.18 WIDE X .18 DEEP
11.80
.156
.625
e
4.88
5.94
4.25
3.34
26°
1.00
45° 4 PLACES
9.68
7.34
6.84
12.44
2.219
1.625
.50
.688
.25 .50 2 PLACES
.50
1.12 4 PLACES
2.84
.25 R 4 PLACES
.25
A
1.375
X
Y
.62
.250
.250
.500
2.75
1.27
.25
.50
.45
.16
.32
.18 WIDE X .18 DEEP
12.75
21.88
IDENTIFICATION MARK SEE NOTES 6 & 7
63/ SEE NOTE 11
32
—.010
.253
.258
.312
26.06
.188
2.594
.061
.065
(2)
.270
.240
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74

HOLE	QTY	DESCRIPTION
a	10	.219 THRU, .344 C'BORE x .250 DEEP FAR SIDE
b	14	.257-.264 THRU. CSK 120° TO .290-.330 DIA FAR SIDE, TAP CLASS 2B THD. FOR 1/4-28 NF HELICAL COIL, (SEE NOTE 8)
C	38	.110-.114 DO NOT BREAK THRU 6-32 NC-2B THD .22 MIN DEEP CSK 100° TO .190 DIA.
d	2	.110-.114 DO NOT BREAK THRU 6-32 NC-2B THD .16 MIN DEEP CSK 90° TO MAJOR DIA OF THD
e	2	.090-.094 X .62 DEEP, 4-40 NC-2B THD .37 DEEP, 90° CSK TO MAJOR DIA OF THD
~~f~~	~~1~~	~~.135-.139 X .78 DEEP, 8-32 NC-2B THD .50 DEEP, 90° CSK TO MAJOR DIA OF THD.~~
g	1	.406 THRU, .718 C'BORE, .185-.190 DEEP



② 14 REQD SEE NOTE 8
①
d
b
a
c

PARTIAL SECTION A-A
SCALE 4:1

MIL 1052E D

LIST OF PARTS AND MATERIALS

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	14	MS21208F4-10	(189710-104) INSERT, SCREW TH.
1	1	2900613-001	HOLDER, COOLING COIL

SEE NOTE 2

NEXT ASSY	USED ON
2900612-011	2900067-011
2900612-011	2900007-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS ±.02 ±.005 ANGLES ±1/2°
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Weissert DATE 10 JUN 65
CHECKED 2 SEP 65
APPROVAL Pat Mailey 2 SEP 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL
CGC-LGC
(INSEPARABLE ASSEMBY)

CODE IDENT NO. 99974
SIZE E
2900613
SCALE FULL
SHEET 1 OF 1

Charleston 2 SEP 65

D.O.
60756

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900320-011	2900024-011	A	REVISED PER MXC 204570	13 SEP 65	RLP / MLM
		B	INITIAL RELEASE CLASS A PER TDRR 23557	19 OCT 65	FE

REV												
SHEET												
REV STATUS REV	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11	12

AC ONLY

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. G. Belza DATE 17 JUL 65
CHECKED Wilson 21 Jul 65
APPROVAL 21 JUL 65
APPROVAL 10-12-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900616	B

SCALE NONE

SHEET 1 OF 12

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
8	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
9	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
10	LACE HARNESS USING ITEM 7.
11	ITEMS 15 AND 16 SUPPLIED WITH ITEMS 5 AND 6.
12	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
13	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
14	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8 OR ITEMS 9 AND 10.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616
SCALE-NONE	REV LTR ~~A~~ B	SHEET 2 OF 12

NOTE NUMBER

GENERAL NOTES DESCRIPTION

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET		+.50-.50	+.50-.50	+.50-.50

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616
SCALE-NONE	REV LTR ~~A~~ B	SHEET 3 OF 12

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900616-001	WIRE ND1002181 TYPE 1, CLASS 1, 22AWG, WHT,
6	2	2	1010763- 1	SOLDER SLEEVE
6	3	1	1016006-002	SPLICE REDUCER
6	4	1	1016128-011	BAND IDENTIFICATION BLANK
	5	1	MS3127E16-26S	(1897050-260) CONNECTOR RECEPTACLE
	6	1	MS3127E12-10P	(1897119-100) CONNECTOR RECEPTACLE
	7	AR	MIL-T-713	LACING TAPE TYPE P, CLASS 2, BLACK (ES-2732 NO. 18)
	8	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)
	9	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
6	11	39	1015864-169	INSULATION SLEEVING
6	12	2	1010490-228	INSULATION SLEEVING, ELEC
6	13	1	1010490-258	INSULATION SLEEVING, ELEC
6	14	1	1015902- 49	TERMINAL LUG
11	15		MS3192A20A	CONTACT-ELECTRICAL, PIN CRIMP
11	16		MS3193A20A	CONTACT-ELECTRICAL, SOCKET, CRIMP

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616
SCALE-NONE	REV LTR ~~A~~ B	SHEET 4 OF 12

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		J4-A E1	1 2				.22 .19	NO NO		15 14	
A 2	1		J4-B XF1-1	1 13				.22 .31	NO YES		15	
A 3	1		J4-C K2-5	1 5				.22 .19	NO YES		15 11	
A 4	1		J4-D K1-5	1 4				.22 .19	NO YES		15 11	
A 5	1		J4-E K2-1	1 5				.22 .19	NO YES		15 11	
A 6	1		J4-F E3	1 6				.22 .25	NO NO		15	
A 7	1		J3-A R15-R	16 30				.22 .19	NO YES		16 11	
A 8	1		J3-B R14-R	16 29				.22 .19	NO YES		16 11	
A 9	1		J3-C R13-R	16 28				.22 .19	NO YES		16 11	
A 10	1		J3-D R12-R	16 24				.22 .19	NO YES		16 11	
A 11	1		J3-E R11-R	16 23				.22 .19	NO YES		16 11	
A 12	1		J3-F R5-Y	16 17				.22 .19	NO YES		16 11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616
SCALE-NONE	REV LTR ~~A~~ B	SHEET 5 OF 12

WIRING HARNESS A

2900616 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		J3-J R9-R	16 21				.22 .19	NO YES		16 11	
A 14	1		J3-K R8-R	16 20				.22 .19	NO YES		16 11	
A 15	1		J3-L R7-R	16 19				.22 .19	NO YES		16 11	
A 16	1		J3-M R6-R	16 18				.22 .19	NO YES		16 11	
A 17	1		J3-N R5-R	16 17				.22 .19	NO YES		16 11	
A 18	1		J3-P R1-R	16 14				.22 .19	NO YES		16 11	
A 19	1		J3-R K1-8	16 4				.22 .19	NO YES		16 11	
A 20	1		J3-S K2-8	16 5				.22 .19	NO YES		16 11	
A 21	1		J3-T K2-8	16 5				.22 .19	NO YES		16	
A 22	1		J3-U K2-3	16 5				.22 .19	NO YES		16 11	
A 23	1		J3-V K1-3	16 4				.22 .19	NO YES		16 11	
A 24	1		J3-W E2	16 11				.22 .25	NO NO		16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900616

SCALE-NONE | REV LTR B | SHEET 6 OF 12

MIL 2084 4-63

WIRING HARNESS A

2900616 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		J3-X E2	16 11				.22 .25	NO NO		16	
A 26	1		J3-Z E2	16 11				.22 .25	NO NO		16	
A 27	1		J3-A• E3	16 6				.22 .25	NO NO		16	
A 28	1		J3-Y E3	16 6				.22 .25	NO NO		16	
A 29	1		K1-3 K2-3	4 5				.19 .19	YES YES			
A 30	1		K1-1 K1-8	4 4				.19 .19	YES YES		11	
A 31	1		R5-Y R11-R	17 23				.19 .19	YES YES			
A 32	1		R6-Y R12-R	18 24				.19 .19	YES YES		11	
A 33	1		R7-Y R13-R	19 28				.19 .19	YES YES		11	
A 34	1		R8-Y R14-R	20 29				.19 .19	YES YES		11	
A 35	1		R9-Y R15-R	21 30				.19 .19	YES YES		11	
A 36	1		R1-R E4-B	14 8				.19 .38	YES NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900616

SCALE-NONE | REV LTR B | SHEET 7 OF 12

MIL 2084 4-63

WIRING HARNESS A

2900616 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		R5-R E4-B	17 8				.19 .38	YES NO			
A 38	1		R6-R E4-B	18 8				.19 .38	YES NO			
A 39	1		R7-R E4-B	19 8				.19 .38	YES NO			
A 40	1		R8-R E4-B	20 8				.19 .38	YES NO			
A 41	1		R9-R E4-B	21 8				.19 .38	YES NO		11	
A 42	1		R2-R E4-B	15 8				.19 .38	YES NO		11	
A 43	1		R15-Y S1-1A	30 33				.19 .25	YES YES		11	
A 44	1		R14-Y S1-2A	29 33				.19 .25	YES YES		11	
A 45	1		R13-Y S1-3A	28 33				.19 .25	YES YES		11	
A 46	1		R12-Y S1-4A	24 33				.19 .25	YES YES		11	
A 47	1		R11-Y S1-5A	23 33				.19 .25	YES YES		11	
A 48	1		R1-Y S1-10A	14 33				.19 .25	YES YES		11	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900616

SCALE-NONE | REV LTR B | SHEET 8 OF 12

MIL 2084 4-63

WIRING HARNESS A

2900616 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		R2-Y S1-11A	15 33				.19 .25	YES YES		11	
A 50	1		A1-10 S1-12A	12 33				.25 .25	YES YES			
A 51	1		A1-10 S1-9A	12 33				.25 .25	YES YES			
A 52	1		S1-9A S1-8A	33 33				.25 .25	YES YES			
A 53	1		S1-8A S1-7A	33 33				.25 .25	YES YES			
A 54	1		S1-7A S1-6A	33 33				.25 .25	YES YES			
A 55	1		S1-13A R16-R	33 31				.25 .19	YES YES		11	
A 56	1		J2 A1-12	27 10				.31 .25	YES YES			
A 57	1		R16-R A1-7	31 10				.19 .25	YES YES			
A 58	1		A1-3 K2-5	9 5				.25 .19	YES YES			
A 59	1		A1-11 XDS1-G	10 25				.25 .25	YES YES			
A 60	1		J1 A1-5	27 12				.31 .25	YES YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900616

SCALE-NONE | REV LTR B | SHEET 9 OF 12

MIL 2084 4-63

WIRING HARNESS A

2900616 B

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	1		M1-PLUS A1-5	22 12				.19 .25	YES YES		11	
A	62	1		M1-PLUS A1-4	22 9				.19 .25	YES YES			
A	63	1		M1-MINUS S2SW2-C	22 26				.19 .25	YES YES		11	
A	64	1		R18-Y S2SW2-NC	32 26				.19 .25	YES YES		11	
A	65	1		R16-Y S2SW2-NO	31 26				.19 .25	YES YES		11	
A	66	1		R18-R A1-13	32 7				.19 .25	YES YES		11	
A	67	1		XF1-2 A1-1	13 9				.31 .25	YES YES			
A	68	1		A1-1 K1-1	9 4				.25 .31	YES YES			
A	69	1		XF1-2 S2SW1-C	13 26				.31 .25	YES YES			
A	70	1		R2-R A1-3	15 9				.19 .25	YES YES			
A	71	1		XDS1-C XDS1-D	25 25				.25 .25	YES YES			
A	72	1		XDS1-D S2SW1-NC	25 26				.25 .25	YES YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616	
SCALE - NONE	REV LTR B		SHEET 10 OF 12

MIL 2084 4-63

WIRING HARNESS A

2900616 B

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	73	1		XDS1-A XDS1-B	25 25				.25 .25	YES YES			
A	74	1		XDS1-B S2SW1-NO	25 26				.25 .25	YES YES			
A	75	1		A1-11 E4-BB	10 8				.25 .38	YES NO			
A	76	1		S1-1A TP-1	33 3				.25 .31	YES YES			
A	77	1		S1-2A TP-2	33 3				.25 .31	YES YES			
A	78	1		S1-3A TP-3	33 3				.25 .31	YES YES			
A	79	1		S1-4A TP-4	33 3				.25 .31	YES YES			
A	80	1		S1-5A TP-5	33 3				.25 .31	YES YES			
A	81	1		S1-10A TP-6	33 3				.25 .31	YES YES			
A	82	1		S1-11A TP-7	33 3				.25 .31	YES YES			

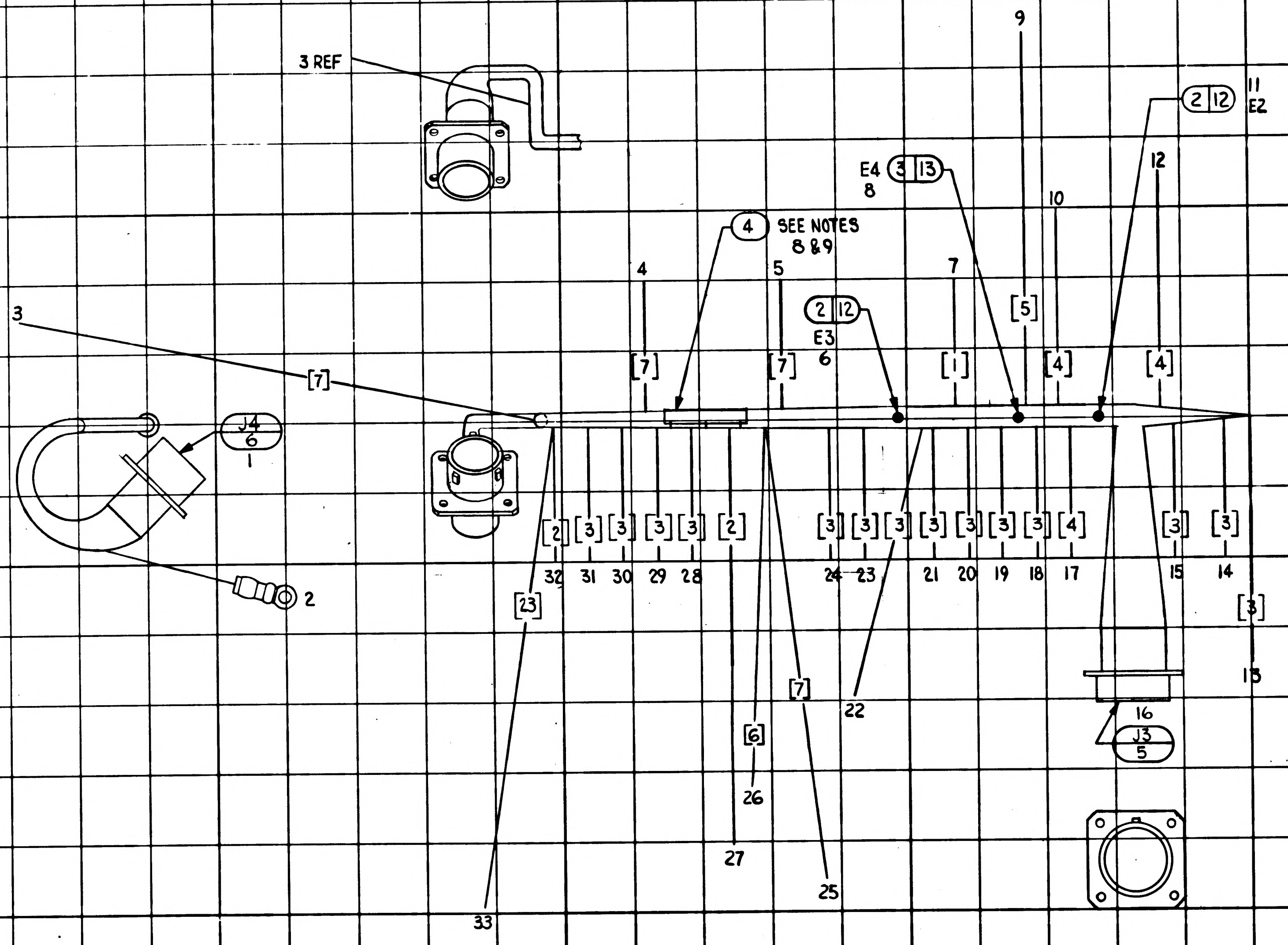
MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900616	
SCALE - NONE	REV LTR B		SHEET 11 OF 1

MIL 2084 4-63

B 2900616

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION STATUS			

REVISIONS TDRR 23557



3 REF
3
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J4
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4
[7]
4
SEE NOTES
8&9
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[7]
2 12
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6
E4 3 13
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[1]
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[4]
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E2
12
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[3] [3]
15 14
[3]
13
[23]
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[6]
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[7]
25
22
16
J3
5

2900320-011	2900024-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R.H. Bekker DATE 20 JUL 65
CHECKED
APPROVAL 21 Jul 65
APPROVAL 10-22-65
NASA APPROVAL A.C. [illegible]
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE D
2900616
SCALE —
SHEET 12 OF 12

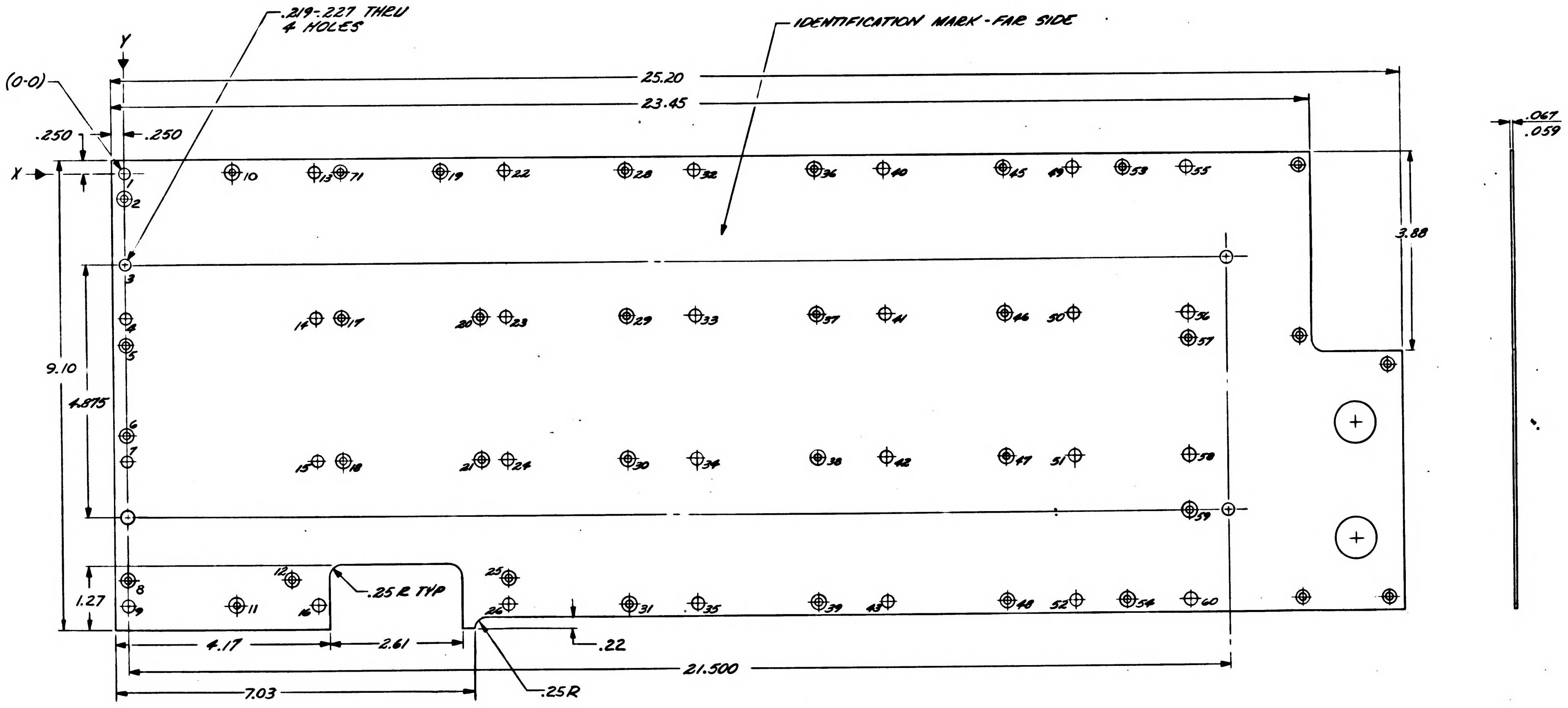
REVISIONS		23388			
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	C	INITIAL RELEASE CLASS A PER TDRR 23388		5 OC- 65	DKD

NOTES:

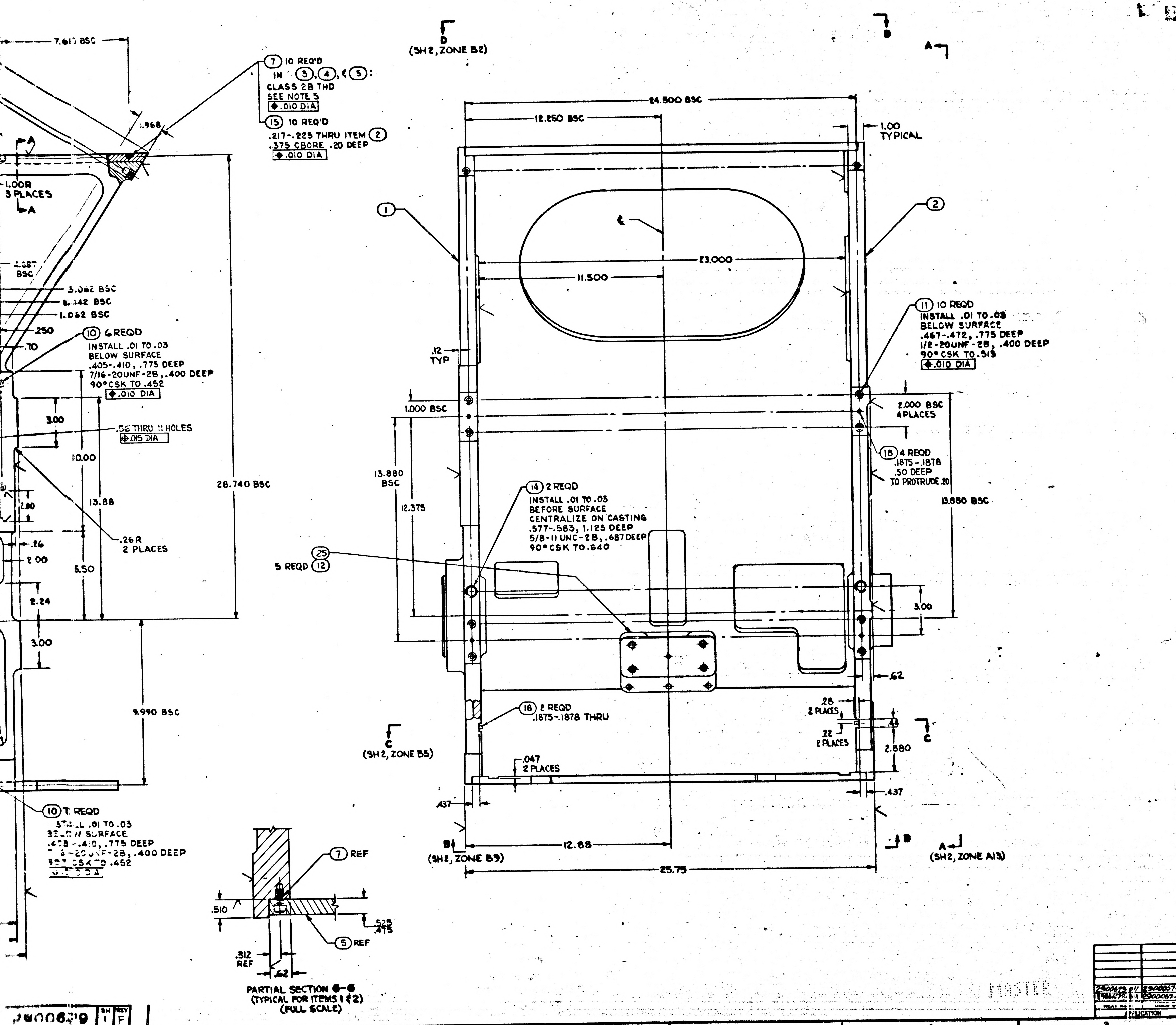
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T-6 (ES 2106 AL ALY 6061).
3. FINISH: MIL-C-5541 (ES 591 CHEMICAL TREATMENT).
4. MUST BE FREE FROM BURRS & SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
6. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
7. HOLE NUMBERS ARE FOR MANUFACTURING REFERENCE.

COORDINATE DIMENSIONS

HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	.265 THRU
2	.000	.500	.171-.179 THRU CSK 100° TO .285 DIA
3	.000	1.750	SEE CALLOUT
4	.000	2.812	.265 THRU
5	.000	3.312	.171-.179 THRU CSK 100° TO .285 DIA
6	.000	5.062	.171-.179 THRU CSK 100° TO .285 DIA
7	.000	5.562	.265 THRU
8	.000	7.875	.171-.179 THRU CSK 100° TO .285 DIA
9	.000	8.375	.265 THRU
10	2.125	.000	.171-.179 THRU CSK 100° TO .285 DIA
11	2.125	8.375	.171-.179 THRU CSK 100° TO .285 DIA
12	3.200	7.875	.171-.179 THRU CSK 100° TO .285 DIA
13	3.700	.000	.265 THRU
14	3.700	2.812	〃
15	3.700	5.562	〃
16	3.700	8.375	.265 THRU
17	4.200	2.812	.171-.179 THRU CSK 100° TO .285 DIA
18	4.200	5.562	〃
19	6.150	.000	〃
20	6.900	2.812	〃
21	6.900	5.562	.171-.179 THRU CSK 100° TO .285 DIA
22	7.400	.000	.265 THRU
23	7.400	2.812	〃
24	7.400	5.562	.265 THRU
25	7.400	7.875	.171-.179 THRU CSK 100° TO .285 DIA
26	7.400	8.375	.265 THRU
~~27~~	~~7.900~~	~~8.438~~	~~.142-.149 THRU~~
28	9.750	.000	.171-.179 THRU CSK 100° TO .285 DIA
29	9.750	2.812	〃
30	9.750	5.562	〃
31	9.750	8.375	.171-.179 THRU CSK 100° TO .285 DIA
32	11.100	.000	.265 THRU
33	11.100	2.812	〃
34	11.100	5.562	〃
35	11.100	8.375	.265 THRU
36	13.450	.000	.171-.179 THRU CSK 100° TO .285 DIA
37	13.450	2.812	〃
38	13.450	5.562	〃
39	13.450	8.375	.171-.179 THRU CSK 100° TO .285 DIA
40	14.800	.000	.265 THRU
41	14.800	2.812	〃
42	14.800	5.562	〃
43	14.800	8.375	.265 THRU
~~44~~	~~15.300~~	~~8.438~~	~~.142-.149 THRU~~
45	17.150	.000	.171-.179 THRU CSK 100° TO .285 DIA
46	17.150	2.812	〃
47	17.150	5.562	〃
48	17.150	8.375	.171-.179 THRU CSK 100° TO .285 DIA
49	18.500	.000	.265 THRU
50	18.500	2.812	〃
51	18.500	5.562	〃
52	18.500	8.375	.265 THRU
53	19.500	.000	.171-.179 THRU CSK 100° TO .285 DIA
54	19.500	8.375	.171-.179 THRU CSK 100° TO .285 DIA
55	20.750	.000	.265 THRU
56	20.750	2.812	.265 THRU
57	20.750	3.312	.171-.179 THRU CSK 100° TO .285 DIA
58	20.750	5.562	.265 THRU
59	20.750	6.625	.171-.179 THRU CSK 100° TO .285 DIA
60	20.750	8.375	.265 THRU
61	22.950	.000	.171-.179 THRU CSK 100° TO .285 DIA
62	22.950	8.375	〃
63	22.950	3.312	.171-.179 THRU CSK 100° TO .285 DIA
~~64~~	~~23.125~~	~~3.875~~	~~.142-.149 THRU~~
~~65~~	~~23.125~~	~~8.375~~	~~.142-.149 THRU~~
66	24.013	5.000	.812 THRU
67	24.013	7.250	.812 THRU
68	24.700	3.875	.171-.179 THRU CSK 100° TO .285 DIA
69	24.700	6.125	〃
70	24.700	8.375	.171-.179 THRU CSK 100° TO .285 DIA
71	4.200	.000	.171-.179 THRU CSK 100° TO .285 DIA



		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
		FRACTIONS + — − DECIMALS ±.02 ±.005 ANGLES ± 2°	ACSP PN	COVER, HOLDER, COOLING COIL-LEM PSA		
			DRAWN R. Kauffman DATE 10 JULY 65			
			CHECKED R. Udovich 20 JUL 65			
			APPROVAL 20 JUL 65			
		DO NOT SCALE THIS DRAWING	APPROVAL 9-30-65			
2900597-011	6900007-011	MATERIAL SEE NOTE 2	NASA APPROVAL	CODE IDENT NO. 99974	SIZE E	2900626
NEXT ASSY	USED ON		MIT APPROVAL			
APPLICATION		CONTRACT NAS 9-497		SCALE FULL		SHEET 1 OF 1


7.610 BSC
.968
1.00R
3 PLACES
A
4.687 BSC
3.062 BSC
2.142 BSC
1.062 BSC
.250
.70
⑩ 6 REQD
INSTALL .01 TO .03
BELOW SURFACE
.405-.410, .775 DEEP
7/16-20UNF-2B, .400 DEEP
90° CSK TO .452
⌖ .010 DIA
3.00
.56 THRU 11 HOLES
⌖ .015 DIA
10.00
13.88
28.740 BSC
2.00
.26R
2 PLACES
.26
2.00
5.50
2.24
3.00
9.990 BSC
⑩ 7 REQD
INSTALL .01 TO .03
BELOW SURFACE
.405-.410, .775 DEEP
7/16-20UNF-2B, .400 DEEP
90° CSK TO .452
⌖ .010 DIA
⑦ 10 REQ'D
IN ③, ④, & ⑤:
CLASS 2B THD
SEE NOTE 5
⌖ .010 DIA
⑮ 10 REQ'D
.217-.225 THRU ITEM ②
.375 CBORE .20 DEEP
⌖ .010 DIA
D
(SH 2, ZONE B2)
D
A
24.500 BSC
12.250 BSC
1.00
TYPICAL
①
②
℄
23.000
11.500
.12
TYP
⑪ 10 REQD
INSTALL .01 TO .03
BELOW SURFACE
.467-.472, .775 DEEP
1/2-20UNF-2B, .400 DEEP
90° CSK TO .515
⌖ .010 DIA
1.000 BSC
2.000 BSC
4 PLACES
⑱ 4 REQD
.1875-.1878
.50 DEEP
TO PROTRUDE .20
13.880
BSC
12.375
⑭ 2 REQD
INSTALL .01 TO .03
BEFORE SURFACE
CENTRALIZE ON CASTING
.577-.583, 1.125 DEEP
5/8-11 UNC-2B, .687 DEEP
90° CSK TO .640
13.880 BSC
㉕
5 REQD ⑫
3.00
.62
⑱ 2 REQD
.1875-.1878 THRU
.28
2 PLACES
.22
2 PLACES
.44
2.880
C
(SH 2, ZONE B5)
C
.047
2 PLACES
.437
.437
B
(SH 2, ZONE B3)
12.88
B
A
(SH 2, ZONE A13)
25.75
⑦ REF
.510
⑤ REF
.525
.475
.312
REF
.62
PARTIAL SECTION G-G
(TYPICAL FOR ITEMS 1 & 2)
(FULL SCALE)
MASTER

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
B		REPLACES REV (A) WITH CHANGE PER MXC 207902		5 JAN 66	BP JAC
C		REVISED PER MXC 209105		11 FEB 66	BP
D		REVISED PER MXC 209193		14 FEB 66	BP
E		REVISION STATUS CHANGED		15 FEB 66	J.S.
F		INITIAL RELEASE CLASS A PER TDRR 26766		16 FEB 66	

LIST OF PARTS AND MATERIALS

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	27	4	MS16996-12	SCREW, CAP
	26	AR	MIL-G-23827	GREASE SYN LUBRICATING (ES7351)
	25	1	2900650	ADAPTER, NAV BASE SUPPORT
SEE NOTE 10	24	AR	1897353-001	GLAZE, FILLER, RUBBER BASE
SEE NOTE 10	23	AR	1897353-002	GLAZE, FILLER, RUBBER BASE
	22	2	MS171588	PIN, SPRING
SEE NOTE 10	21	AR	1016232	ENAMEL, DARK GRAY, COLOR NO. 26251 OF FED-STD-595
SEE NOTE 10	20	AR	1016234	COATING COMPOUND, RUBBER BASE
SEE NOTE 10	19	AR	1016235	FILLER, METAL SURFACE, RUBBER BASE
	18	8	MS16556-640	PIN
	17	2	MS16556-625	PIN
	16	12	MS171594	PIN, SPRING
	15	52	MS16996-11	SCREW
SEE NOTE 10	14	2	1897332-001	INSERT, SCREW
	13	8	NAS1394C-5L	(1897060-251) INSERT, SCREW
	12	5	MS16996-22	SCREW, CAP, SOCKET HEAD
SEE NOTE 10	11	20	1010802-002	INSERT SCREW
SEE NOTE 10	10	40	1010802-001	INSERT, SCREW
SEE NOTE 10	9	6	MS21209C0620	(1897059-106) INSERT, SCREW
	8	26	MS21209-F4-20	(1897059-304) INSERT, SCREW
	7	68	MS21209-F1-15	(1897059-201) INSERT, SCREW
	6	91	MS21209-C0815	(1897059-008) INSERT, SCREW
SEE NOTE 2A	5	1	2900629-005	BOTTOM PLATE
SEE NOTE 2A	4	1	-004	TOP PLATE
SEE NOTE 2A	3	1	-003	BACK PLATE
SEE NOTE 2B	2	1	-002	SIDE, R.H.
SEE NOTE 2B	1	1	2900629-001	SIDE, L.H.

NEXT ASSY	USED ON
2900673-011	2900067-021
2900672-011	2900067-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.02	±1°
— —	±.005	—

DO NOT SCALE THIS DRAWING
MATERIAL
SEE NOTE 8
CONTRACT NAS 9-497

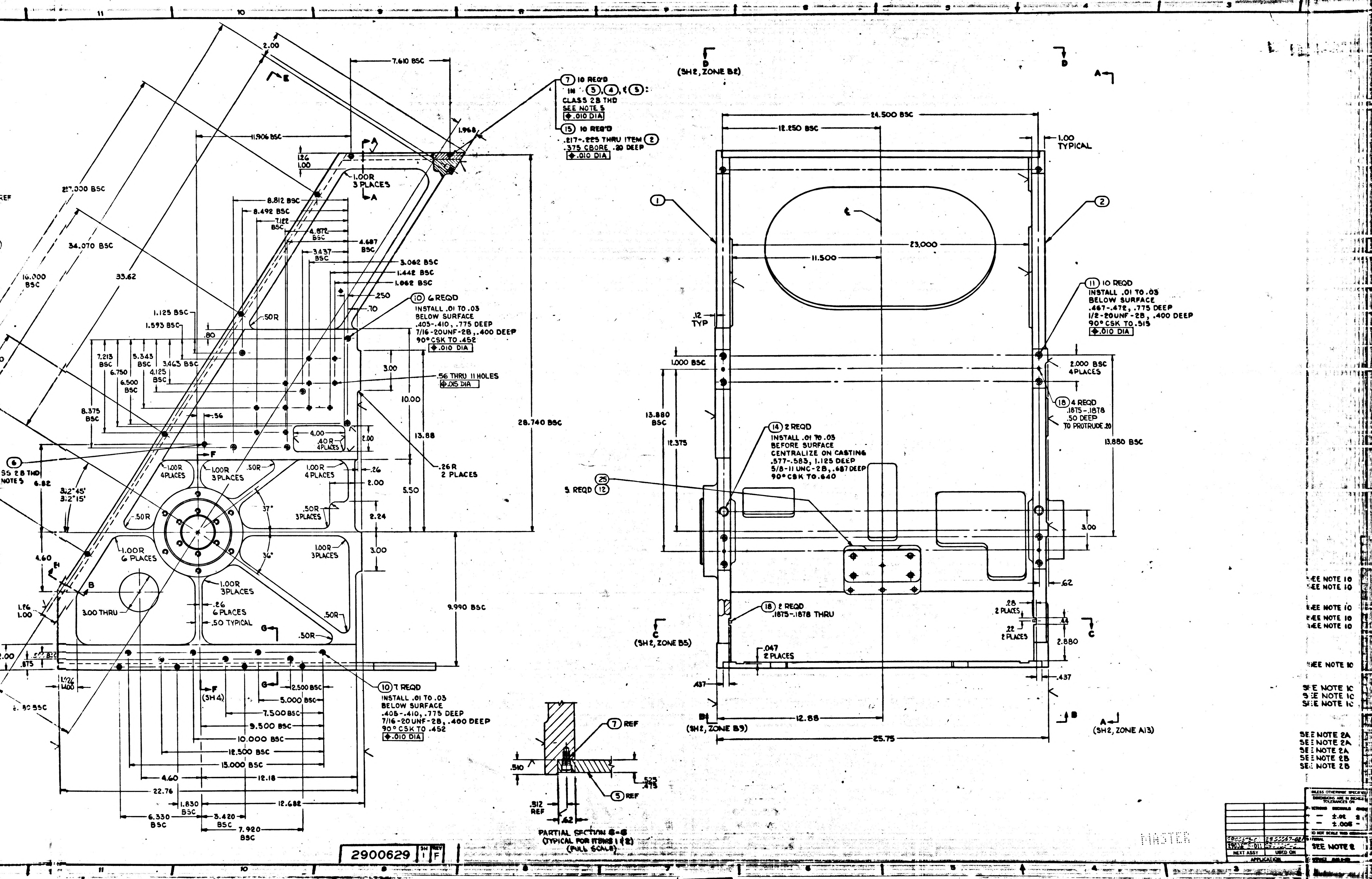
AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN Cunnerwell 9 DEC 65
CHECKED C.J. Foster 20 Dec 65
APPROVAL R.C. Hettinick 20 Dec
APPROVAL L.J. Turner 3/1/66
DESIGN APPROVAL C. METZGER
NASA APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE, G AND N FIXTURE-MATCHED

CODE IDENT NO. 96674
SIZE J2
2900629
SCALE 1/2
SHEET 1 OF 4

2900629 | SH 1 | REV F



7 10 REQ'D IN 3, 4, & 5: CLASS 2B THD SEE NOTE 5 ⌖.010 DIA
15 10 REQ'D .217-.225 THRU ITEM 2 .375 CBORE .20 DEEP ⌖.010 DIA
10 6 REQD INSTALL .01 TO .03 BELOW SURFACE .405-.410, .775 DEEP 7/16-20UNF-2B, .400 DEEP 90° CSK TO .452 ⌖.010 DIA
.56 THRU 11 HOLES ⌖.015 DIA
10 7 REQD INSTALL .01 TO .03 BELOW SURFACE .405-.410, .775 DEEP 7/16-20UNF-2B, .400 DEEP 90° CSK TO .452 ⌖.010 DIA
11 10 REQD INSTALL .01 TO .03 BELOW SURFACE .467-.472, .775 DEEP 1/2-20UNF-2B, .400 DEEP 90° CSK TO .515 ⌖.010 DIA
14 2 REQD INSTALL .01 TO .03 BEFORE SURFACE CENTRALIZE ON CASTING .577-.583, 1.125 DEEP 5/8-11 UNC-2B, .687 DEEP 90° CSK TO .640
18 4 REQD .1875-.1878 .50 DEEP TO PROTRUDE .20
18 2 REQD .1875-.1878 THRU
25 5 REQD 12
6 SS 2B THD NOTE 5
PARTIAL SECTION G-G (TYPICAL FOR ITEMS 1 & 2) (FULL SCALE)
7 REF
5 REF
.510
.512 REF
.62
.525 .475
D (SH2, ZONE B2)
C (SH2, ZONE B5)
B (SH2, ZONE B9)
A (SH2, ZONE A13)
F (SH4)
24.500 BSC
12.250 BSC
1.00 TYPICAL
23.000
11.500
.12 TYP
1.000 BSC
13.880 BSC
12.375
2.000 BSC 4 PLACES
13.880 BSC
3.00
.62
.28 2 PLACES
.22 2 PLACES
2.880
.047 2 PLACES
.437
12.88
25.75
7.610 BSC
2.00
1.968
11.906 BSC
1.26
1.00
1.00R 3 PLACES
217.000 BSC
8.812 BSC
8.492 BSC
7.122 BSC
4.872 BSC
4.687 BSC
3.437 BSC
3.062 BSC
1.442 BSC
1.062 BSC
.250
.70
34.070 BSC
16.000 BSC
33.62
1.125 BSC
1.593 BSC
.50R
.80
7.213 BSC
6.750
5.343 BSC
6.500 BSC
4.125 BSC
3.463 BSC
3.00
10.00
13.88
28.740 BSC
8.375 BSC
.56
4.00
.40R 4 PLACES
2.00
.26R 2 PLACES
1.00R 4 PLACES
1.00R 3 PLACES
.50R
1.00R 4 PLACES
.26
2.00
5.50
.50R 3 PLACES
2.24
37°
36°
3.00
1.00R 6 PLACES
1.00R 3PLACES
1.00R 3PLACES
6.82
32°45'
32°15'
4.60
3.00 THRU
.26 6 PLACES
.50 TYPICAL
.50R
.50R
9.990 BSC
1.26
1.00
2.00
.875
1.24
1.00
2.500 BSC
5.000 BSC
7.500 BSC
9.500 BSC
10.000 BSC
12.500 BSC
15.000 BSC
4.60
12.18
22.76
1.830 BSC
12.682
6.330 BSC
3.420 BSC
7.920 BSC
SEE NOTE 10
SEE NOTE 10
SEE NOTE 10
SEE NOTE 10
SEE NOTE 10
SEE NOTE 10
SEE NOTE 1C
SEE NOTE 1C
SEE NOTE 1C
SEE NOTE 2A
SEE NOTE 2A
SEE NOTE 2A
SEE NOTE 2B
SEE NOTE 2B
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
DECIMALS ±.02 ±.005
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
NEXT ASSY
USED ON
APPLICATION
MASTER
2900629 SH 1 REV F

NOTE:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL:
   - A. AL ALY QQ-A-250/12 TEMPER T651, TYPE 7075. (ES 2177)
   - B. AL ALY QQ-A-601 TEMPER T6, CL. 3M (TYPE 356-T6 ES2107).

3. FINISH:
   - A. APPLY FINISH P513 OF MIL-F-14072.
   - B. APPLY ITEMS ⑲, ㉓, & ㉔ TO ITEMS ① & ②.
   - C. APPLY ITEMS ⑳ & ㉑ TO ITEMS ①, ②, ③, ④, & ⑤ FUNCTIONAL SURFACES AND MACHINED HOLES TO BE FREE FROM PAINT.

4.

5. INSTALL PER MS33646. REMOVE TANG.

6. NORMAL CASTING DRAFT PERMISSIBLE WITHIN LIMITS SHOWN.

7. STRESS RELIEVE AT 430° TO 450° F FOR 5 HOURS. CASTINGS SHALL BE HEAT TREATED IN SUCH A MANNER THAT THEY WILL BE FREE FROM STRAIN AND DISTORTION (ES-2023).

8. MUST BE FREE FROM BURRS.

9. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES-267).

10. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.

11. UNLESS OTHERWISE SPECIFIED:
   - A. TOLERANCE BETWEEN CAST SURFACES TO BE ±.06.
   - B. TOLERANCE BETWEEN CAST AND FINISHED SURFACES TO BE ±.03
   - C. CAST ALL FILLET AND OUTSIDE RADII .20 R.
   - D. CAST SURFACE ROUGHNESS NOT TO EXCEED $\overset{250}{\vee}$ *AFTER FINISHING PER NOTE 3.*
   - E. MACHINED SURFACE ROUGHNESS NOT TO EXCEED $\overset{125}{\vee}$.
   - F. MACHINED CORNERS TO BE .010 R, OR CHAMFER.
   - G. WALL THICKNESS TO BE .50.

12. .250 DIA HOLES PERMISSIBLE FOR MANUFACTURING PURPOSES ONLY.

13. MARK CHARACTERS PER ND 1002019, .18 HIGH, COLOR BLK. CENTRALIZE AS SHOWN.

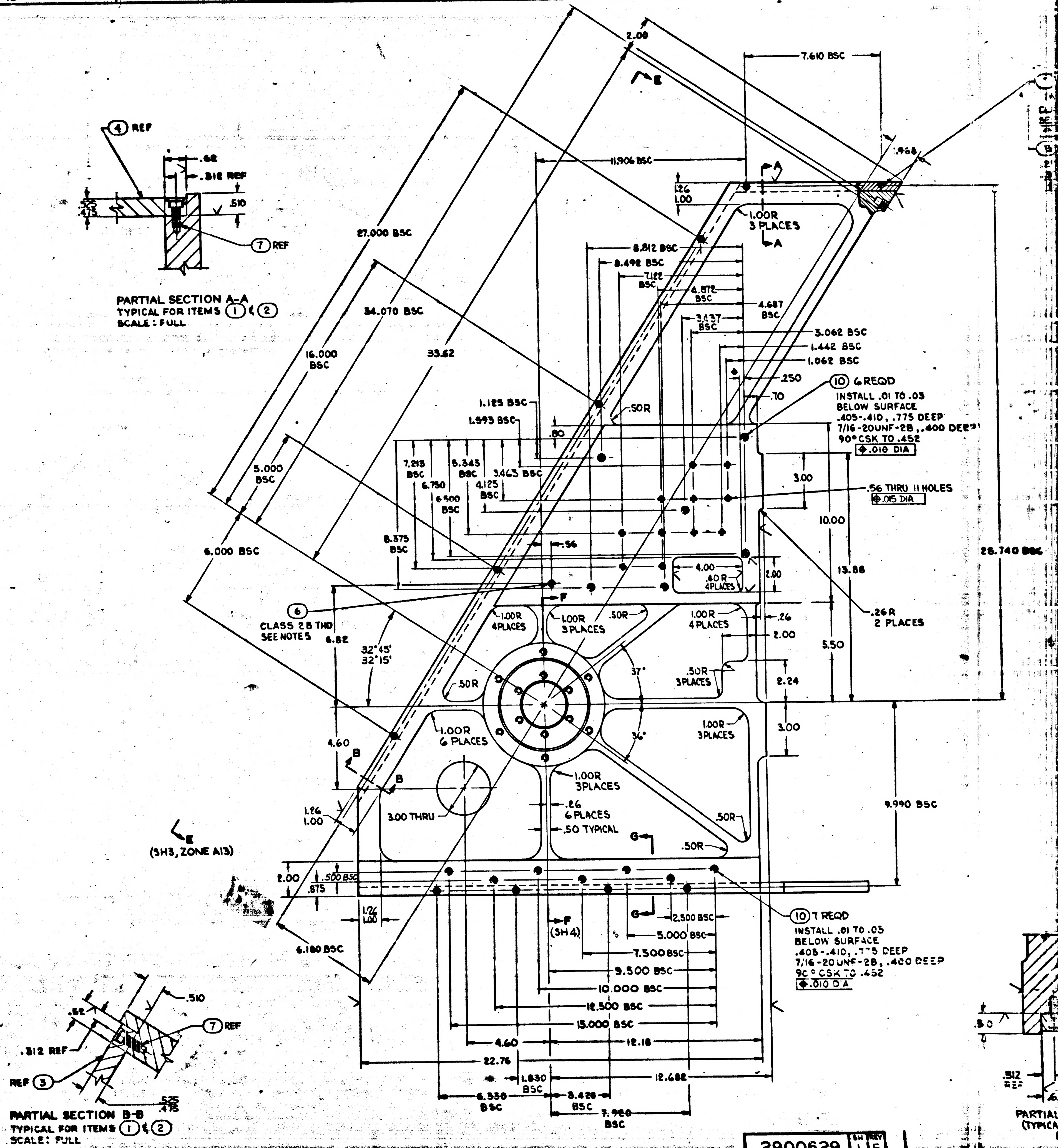
14. MARK CHARACTERS PER ND 1002019, .18 HIGH, COLOR WHT. CENTRALIZE AS SHOWN.

15. INSPECT AS A CLASS II A CASTING PER MIL-C-6021F. RADIOGRAPHIC INSPECTION OF ALL CASTINGS MUST MEET THE REQUIREMENTS OF TABLE IV GRADE D.

16. THIS IS A MATCHED ASSEMBLY, INTERCHANGEABILITY OF INDIVIDUAL ITEMS IS NOT PERMITTED. MATCHED ASSEMBLIES SHALL BE INTERCHANGEABLE ONLY AS A SET.

17. APPLY ITEM ㉖ TO ALL SCREW THREADS.

3 14

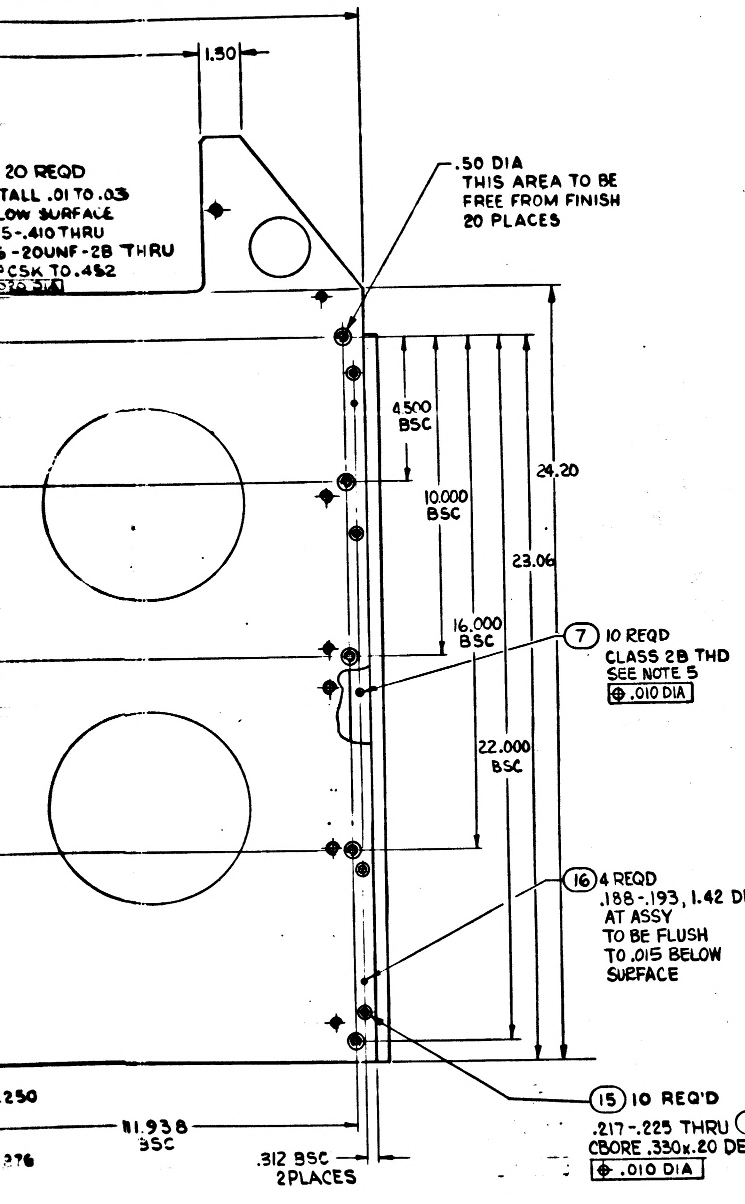

④ REF
.62
.312 REF
.525
.475
.510
⑦ REF
2.00
7.610 BSC
E
11.906 BSC
1.26
1.00
A
1.00R
3 PLACES
.968
27.000 BSC
8.812 BSC
8.492 BSC
7.122 BSC
4.872 BSC
4.687 BSC
3.437 BSC
3.062 BSC
1.442 BSC
1.062 BSC
34.070 BSC
16.000 BSC
33.62
.250
.70
⑩ 6 REQD
INSTALL .01 TO .03
BELOW SURFACE
.405-.410, .775 DEEP
7/16-20UNF-2B, .400 DEEP
90° CSK TO .452
⌖.010 DIA
1.125 BSC
1.593 BSC
.50R
.80
7.213 BSC
6.750
5.343 BSC
3.463 BSC
4.125 BSC
6.500 BSC
3.00
.56 THRU 11 HOLES
⌖.015 DIA
10.00
5.000 BSC
6.000 BSC
8.375 BSC
.56
4.00
.40 R
4 PLACES
2.00
13.88
26.740 BSC
F
⑥
CLASS 2B THD
SEE NOTE 5
6.82
32°45'
32°15'
1.00R
4 PLACES
1.00R
3 PLACES
.50R
1.00R
4 PLACES
.26
2.00
.26R
2 PLACES
5.50
37°
.50R
3 PLACES
2.24
.50R
1.00R
6 PLACES
36°
1.00R
3 PLACES
3.00
4.60
B
1.00R
3PLACES
1.26
1.00
3.00 THRU
.26
6 PLACES
.50 TYPICAL
G
.50R
.50R
9.990 BSC
(SH3, ZONE A13)
2.00
.500 BSC
.875
1.26
1.00
F
(SH4)
2.500 BSC
5.000 BSC
7.500 BSC
9.500 BSC
10.000 BSC
12.500 BSC
15.000 BSC
⑩ 7 REQD
INSTALL .01 TO .03
BELOW SURFACE
.405-.410, .775 DEEP
7/16-20UNF-2B, .400 DEEP
90° CSK TO .452
⌖.010 DIA
6.180 BSC
4.60
12.18
22.76
1.830 BSC
12.682
6.330 BSC
3.420 BSC
7.920 BSC
.510
⑦ REF
.62
.312 REF
REF ③
.525
.475
.50
.312 REF
PARTIAL
(TYPICA

PARTIAL SECTION A-A
TYPICAL FOR ITEMS ① & ②
SCALE: FULL

PARTIAL SECTION B-B
TYPICAL FOR ITEMS ① & ②
SCALE: FULL

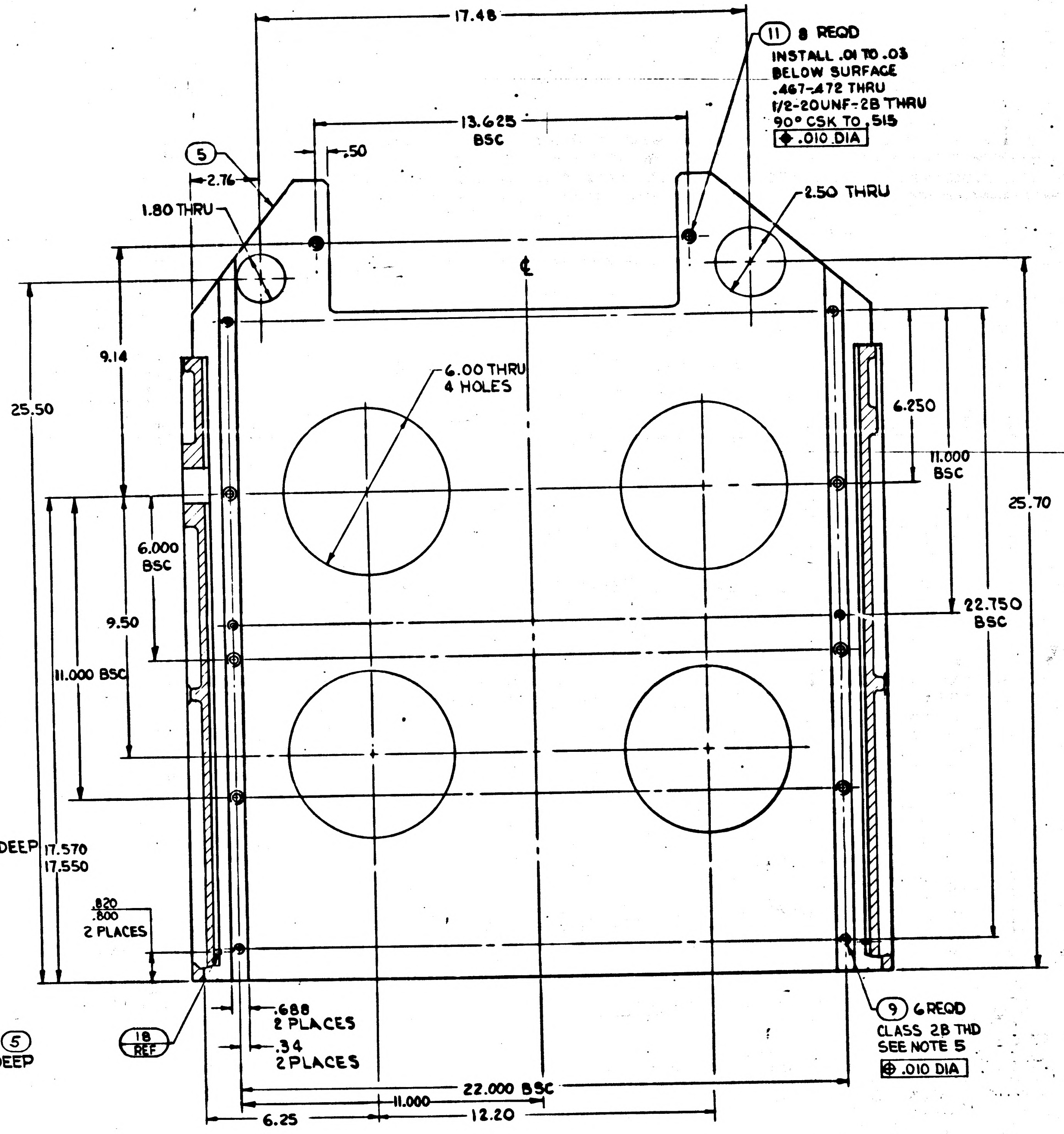
2900629 SH 1 REV F

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
B		REPLACES REV(A) WITH CHANGE PER MXC 207902		5 JAN 66	RLP JAC
C		REVISED PER MXC 209105		11 FEB 66	RLP
D		REVISED PER MXC 209193		14 FEB 66	RLP
E		REVISED PER MXC 209328		15 FEB 66	
F		INITIAL RELEASE CLASS A PER TDRR 26766		16 FEB 66	



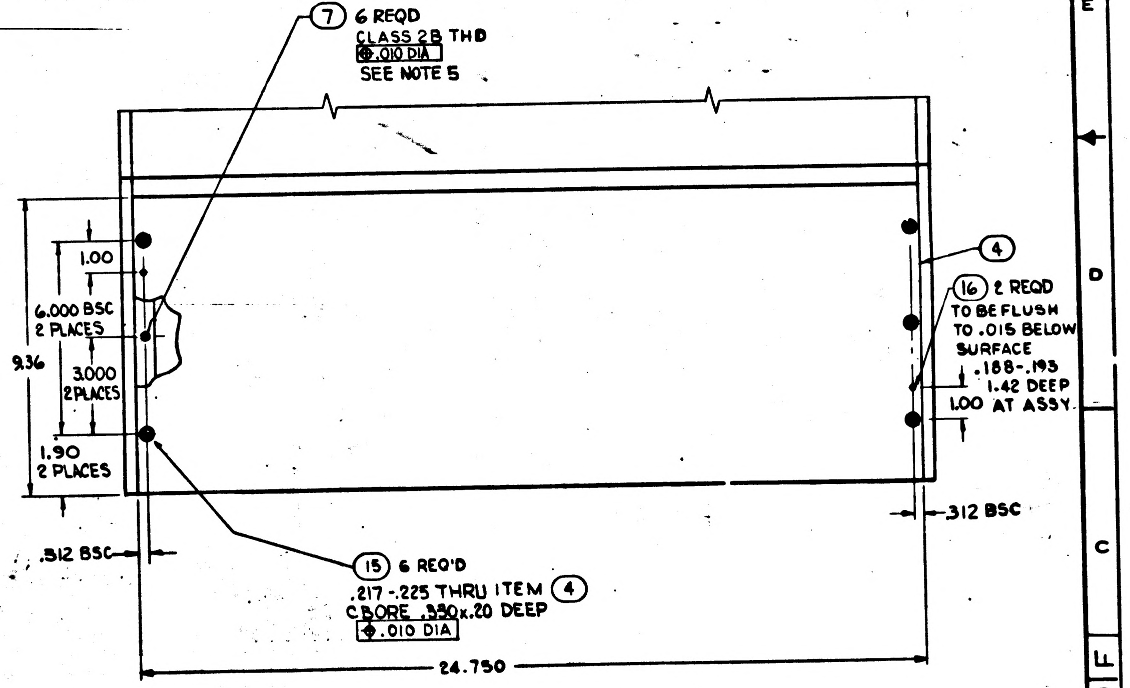
1.50
20 REQD
TALL .01 TO .03
LOW SURFACE
5-.410 THRU
6-20UNF-2B THRU
CSK TO .452
.50 DIA
THIS AREA TO BE
FREE FROM FINISH
20 PLACES
4.500 BSC
10.000 BSC
16.000 BSC
22.000 BSC
24.20
23.06
7 10 REQD
CLASS 2B THD
SEE NOTE 5
⌖ .010 DIA
16 4 REQD
.188-.193, 1.42 DEEP
AT ASSY
TO BE FLUSH
TO .015 BELOW
SURFACE
15 10 REQ'D
.217-.225 THRU 5
CBORE .330x.20 DEEP
⌖ .010 DIA
.250
11.938 BSC
.276
.312 BSC
2PLACES

J
NE B7)



17.48
11 8 REQD
INSTALL .01 TO .03
BELOW SURFACE
.467-.472 THRU
1/2-20UNF-2B THRU
90° CSK TO .515
⌖ .010 DIA
13.625 BSC
5
2.76
.50
1.80 THRU
2.50 THRU
℄
9.14
25.50
6.00 THRU
4 HOLES
6.250
11.000 BSC
25.70
6.000 BSC
9.50
22.750 BSC
11.000 BSC
17.570
17.550
.820
.800
2 PLACES
18 REF
.688
2 PLACES
.34
2 PLACES
9 6 REQD
CLASS 2B THD
SEE NOTE 5
⌖ .010 DIA
22.000 BSC
11.000
6.25
12.20

SECTION CC
(SH1, ZONE B7)



7 6 REQD
CLASS 2B THD
⌖ .010 DIA
SEE NOTE 5
4
16 2 REQD
TO BE FLUSH
TO .015 BELOW
SURFACE
.188-.193
1.42 DEEP
AT ASSY.
1.00
1.00
6.000 BSC
2 PLACES
9.36
3.000
2 PLACES
1.90
2 PLACES
.312 BSC
.312 BSC
15 6 REQ'D
.217-.225 THRU ITEM 4
CBORE .330x.20 DEEP
⌖ .010 DIA
24.750

PARTIAL VIEW DD
(SH1, ZONE H7)

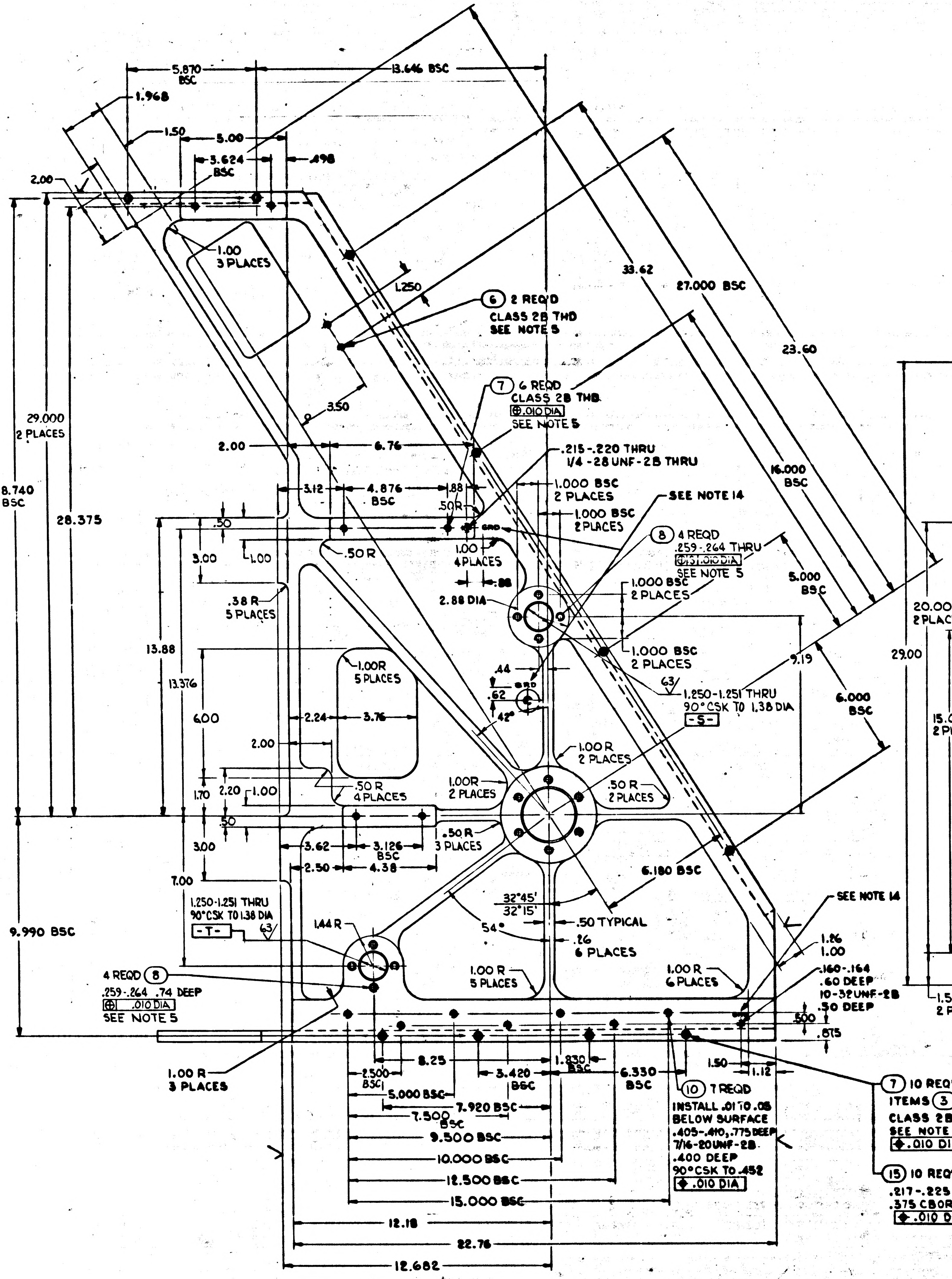
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + — DECIMALS ±.02 ±.005 ANGLES ±1° DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DESIGN 9 DEC 65 DATE CHECKED Ed Foster 20 Dec 65 APPROVAL R.G. 20 Dec 65 APPROVAL 3/4/66	CRADLE, G AND N FIXTURE - MATCHED
MATERIAL	NASA APPROVAL A. C. METZGER	CODE IDENT NO. 99974 | SIZE J_2 | 2900629
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1/2 | SHEET 2 OF 4

MASTER

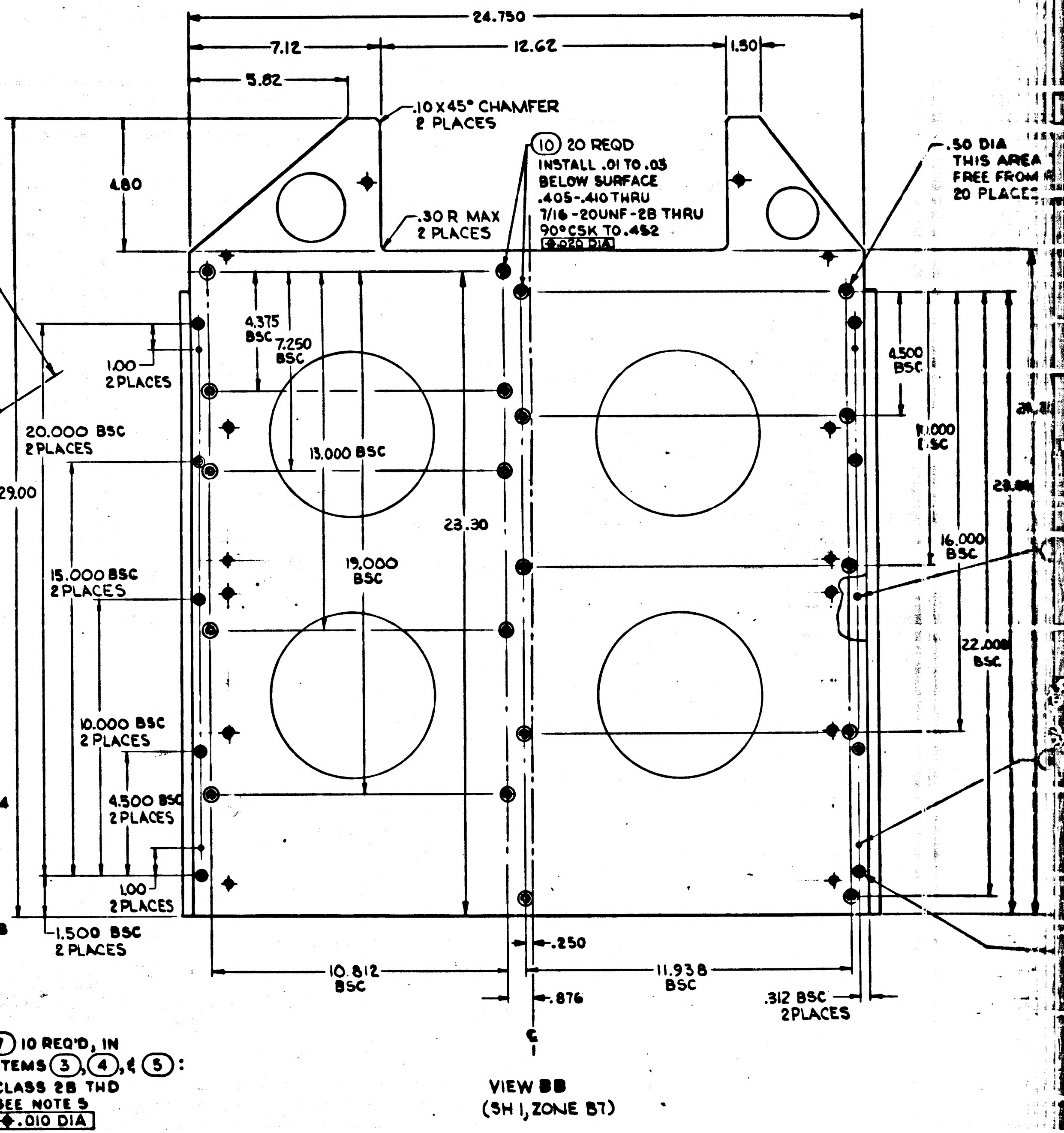
2900629 F

2900629	SH 2 OF 4	REV F

2900629


5.870 BSC
13.646 BSC
1.968
1.50
5.00
3.624 BSC
.498
2.00
1.00 3 PLACES
1.250
6 2 REQ'D CLASS 2B THD SEE NOTE 5
33.62
27.000 BSC
23.60
3.50
7 6 REQD CLASS 2B THD .010 DIA SEE NOTE 5
.215-.220 THRU 1/4-28 UNF-2B THRU
29.000 2 PLACES
28.740 BSC
28.375
2.00
6.76
3.12
4.876 BSC
1.88
.50R
1.000 BSC 2 PLACES
1.000 BSC 2 PLACES
SEE NOTE 14
16.000 BSC
8 4 REQD .259-.264 THRU .010 DIA SEE NOTE 5
5.000 BSC
.50
3.00
1.00
.50 R
1.00 4 PLACES
.88
1.000 BSC 2 PLACES
.38 R 5 PLACES
2.88 DIA
13.88
13.376
1.00R 5 PLACES
1.000 BSC 2 PLACES
9.19
6.000 BSC
.44
.62
42°
63
1.250-1.251 THRU 90°CSK TO 1.38 DIA -S-
6.00
2.24
3.76
2.00
1.00 R 2 PLACES
1.70
2.20
1.00
.50 R 4 PLACES
1.00R 2 PLACES
.50 R 2 PLACES
.50
3.00
3.62
3.126 BSC
.50 R 3 PLACES
2.50
4.38
6.180 BSC
7.00
1.250-1.251 THRU 90°CSK TO 1.38 DIA -T- 63
1.44 R
32°45'
32°15'
54°
.50 TYPICAL
.26 6 PLACES
SEE NOTE 14
9.990 BSC
1.86
1.00
4 REQD 8 .259-.264 .74 DEEP .010 DIA SEE NOTE 5
1.00 R 5 PLACES
1.00 R 6 PLACES
.160-.164 .60 DEEP 10-32UNF-2B .50 DEEP
.500
.815
1.00 R 3 PLACES
2.500 BSC
8.25
3.420 BSC
1.830 BSC
6.330 BSC
1.50
1.12
5.000 BSC
7.920 BSC
7.500 BSC
9.500 BSC
10.000 BSC
12.500 BSC
15.000 BSC
12.18
22.76
12.682
10 1 REQD INSTALL .01 TO .03 BELOW SURFACE .405-.410, .775 DEEP 7/16-20UNF-2B .400 DEEP 90°CSK TO .452 .010 DIA
7 10 REQ'D, IN ITEMS 3, 4, & 5: CLASS 2B THD SEE NOTE 5 .010 DIA
15 10 REQ'D .217-.225 THRU ITEM 2 .375 CBORE .20 DEEP .010 DIA

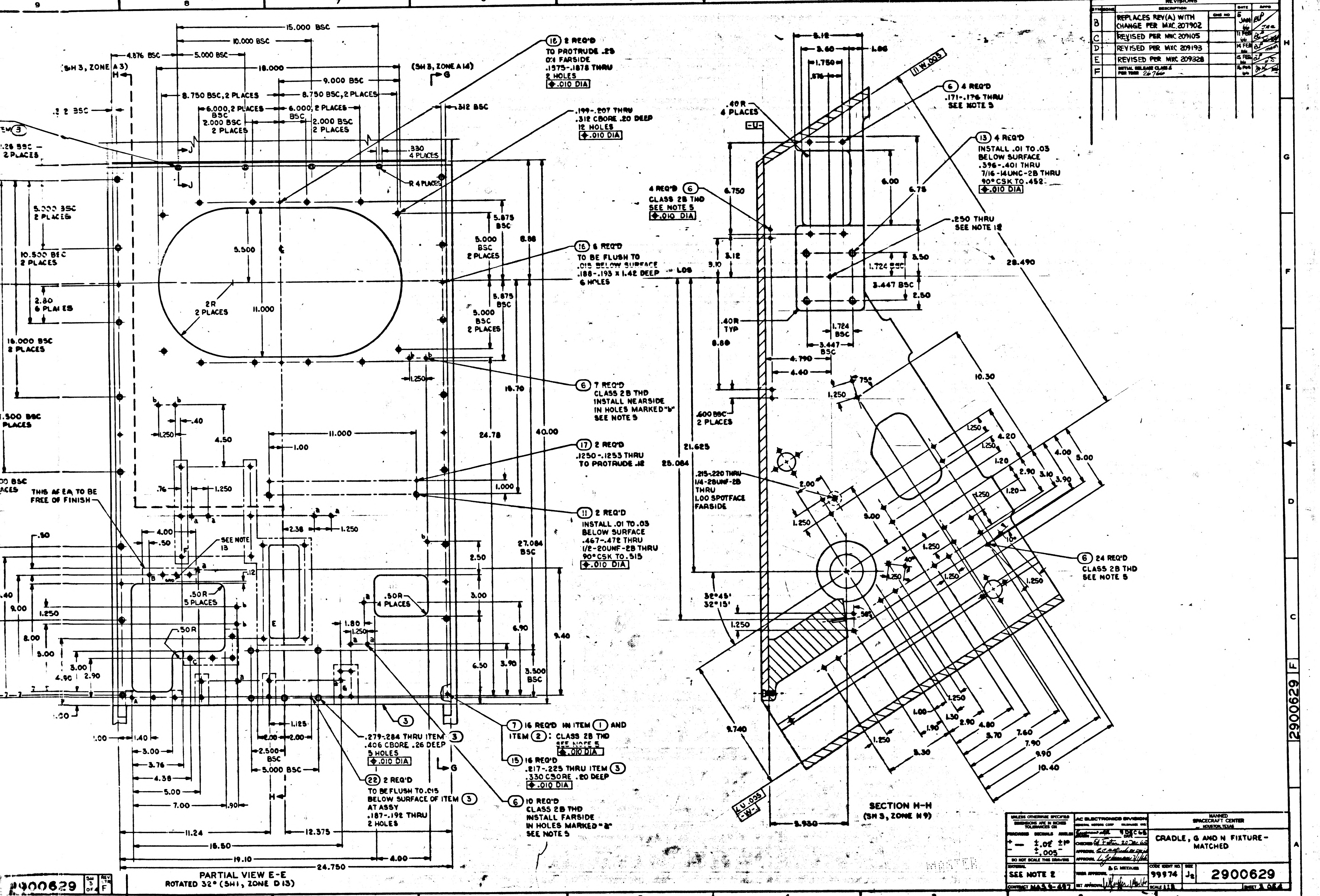
VIEW AA
(SH 1, ZONE B4)


24.750
7.12
12.62
1.50
5.82
.10 X 45° CHAMFER 2 PLACES
10 20 REQD INSTALL .01 TO .03 BELOW SURFACE .405-.410 THRU 7/16-20UNF-2B THRU 90° CSK TO .452 .020 DIA
.50 DIA THIS AREA FREE FROM 20 PLACES
4.80
.30 R MAX 2 PLACES
4.375 BSC
7.250 BSC
1.00 2 PLACES
4.500 BSC
20.000 BSC 2 PLACES
13.000 BSC
11.000 BSC
29.00
23.30
19.000 BSC
16.000 BSC
15.000 BSC 2 PLACES
22.000 BSC
10.000 BSC 2 PLACES
4.500 BSC 2 PLACES
1.00 2 PLACES
1.500 BSC 2 PLACES
.250
10.812 BSC
11.938 BSC
.876
.312 BSC 2 PLACES

VIEW BB
(SH 1, ZONE B7)

2900629	SH 2 OF 4	REV F

2H


(SH 3, ZONE A 3)
(SH 3, ZONE A 14)
15.000 BSC
10.000 BSC
4.876 BSC
5.000 BSC
18.000
9.000 BSC
8.750 BSC, 2 PLACES
6.000, 2 PLACES BSC
2.000 BSC 2 PLACES
.312 BSC
.330 4 PLACES
R 4 PLACES
5.000 BSC 2 PLACES
10.500 BSC 2 PLACES
2.80 6 PLACES
16.000 BSC 2 PLACES
5.500
2R 2 PLACES
11.000
5.875 BSC
8.88
15.70
24.78
40.00
27.084 BSC
⑱ 2 REQ'D TO PROTRUDE .28 ON FARSIDE .1575-.1878 THRU 2 HOLES ⌖.010 DIA
.199-.207 THRU .312 CBORE .20 DEEP 12 HOLES ⌖.010 DIA
⑯ 6 REQ'D TO BE FLUSH TO .015 BELOW SURFACE .188-.193 x 1.42 DEEP 6 HOLES
⑥ 7 REQ'D CLASS 2B THD INSTALL NEARSIDE IN HOLES MARKED "b" SEE NOTE 5
⑰ 2 REQ'D .1250-.1253 THRU TO PROTRUDE .12
⑪ 2 REQ'D INSTALL .01 TO .03 BELOW SURFACE .467-.472 THRU 1/2-20UNF-2B THRU 90° CSK TO .515 ⌖.010 DIA
THIS AREA TO BE FREE OF FINISH
SEE NOTE 13
.50R 5 PLACES
.50R 4 PLACES
.50R
.279-.284 THRU ITEM ③ .406 CBORE .26 DEEP 5 HOLES ⌖.010 DIA
㉒ 2 REQ'D TO BE FLUSH TO .015 BELOW SURFACE OF ITEM ③ AT ASSY .187-.192 THRU 2 HOLES
⑦ 16 REQ'D IN ITEM ① AND ITEM ②: CLASS 2B THD SEE NOTE 5 ⌖.010 DIA
⑮ 16 REQ'D .217-.225 THRU ITEM ③ .330 CBORE .20 DEEP ⌖.010 DIA
⑥ 10 REQ'D CLASS 2B THD INSTALL FARSIDE IN HOLES MARKED "a" SEE NOTE 5
11.24
15.50
19.10
24.750
12.375
5.000 BSC
2.500 BSC
4 REQ'D ⑥ CLASS 2B THD SEE NOTE 5 ⌖.010 DIA
.40R 4 PLACES
⑥ 4 REQ'D .171-.176 THRU SEE NOTE 5
⑬ 4 REQ'D INSTALL .01 TO .03 BELOW SURFACE .396-.401 THRU 7/16-14UNC-2B THRU 90° CSK TO .452 ⌖.010 DIA
.250 THRU SEE NOTE 12
28.490
.40R TYP
.600 BSC 2 PLACES
21.625
25.084
.215-.220 THRU 1/4-28UNF-2B THRU 1.00 SPOTFACE FARSIDE
32°45' 32°15'
⑥ 24 REQ'D CLASS 2B THD SEE NOTE 5
9.740
5.930
10.30
10.40

PARTIAL VIEW E-E
ROTATED 32° (SH1, ZONE D13)

SECTION H-H
(SH 3, ZONE H 9)

2900629 SH 3 OF 4 REV LTR F

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
B		REPLACES REV(A) WITH CHANGE PER MXC 207902		5 JAN 66	JAG
C		REVISED PER MXC 209105		11 FEB 66	
D		REVISED PER MXC 209193		14 FEB 66	
E		REVISED PER MXC 209328		15 FEB 66	
F		INITIAL RELEASE CLASS A PER TDRR 26766		16 FEB 66	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ±.005 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN 9 DEC 65
CHECKED Ed Foster 20 Dec 65
APPROVAL
APPROVAL L. Johnson 3/1/66
NASA APPROVAL R. C. METZGER
EST APPROVAL

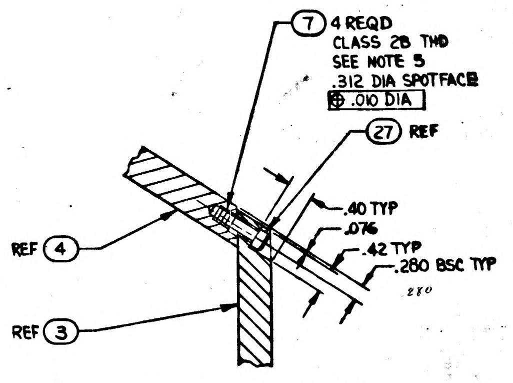
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE, G AND N FIXTURE-MATCHED

CODE IDENT NO. 99974
SIZE J2
2900629
SCALE 1:2
SHEET 3 OF 4

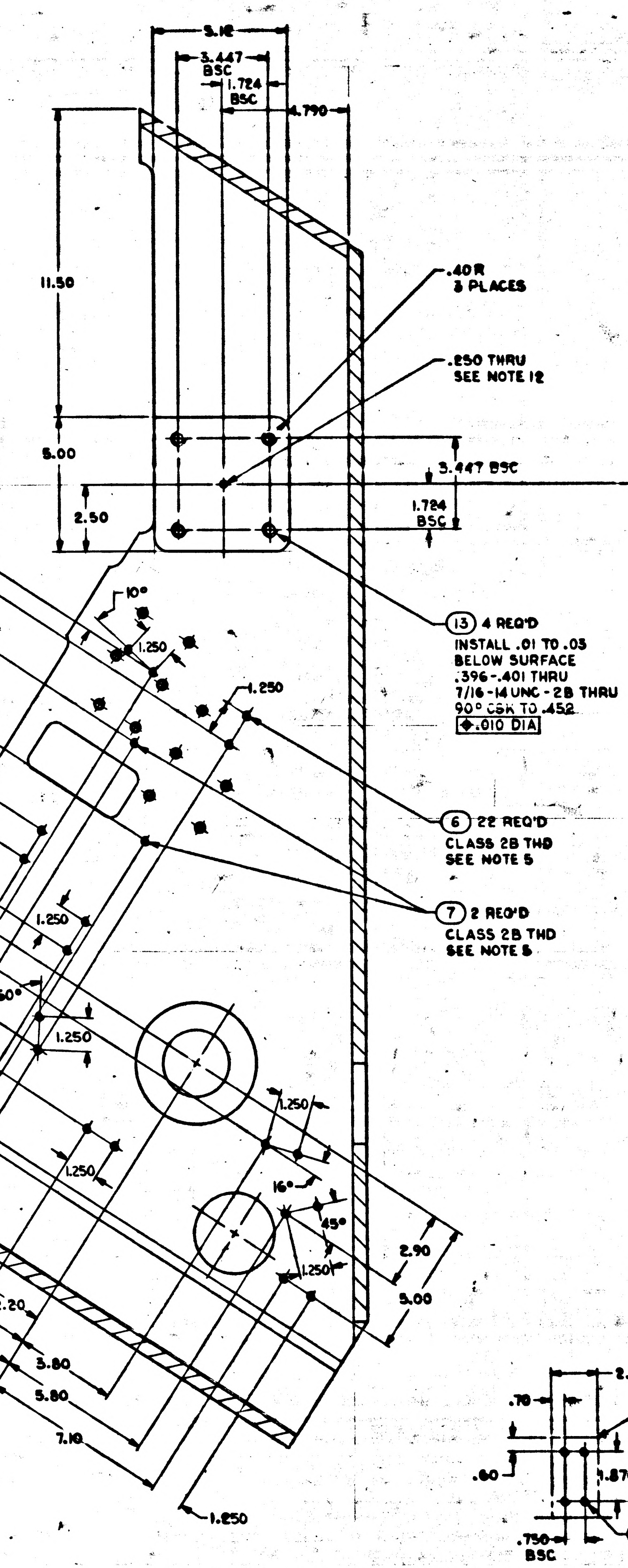
2900629

2H



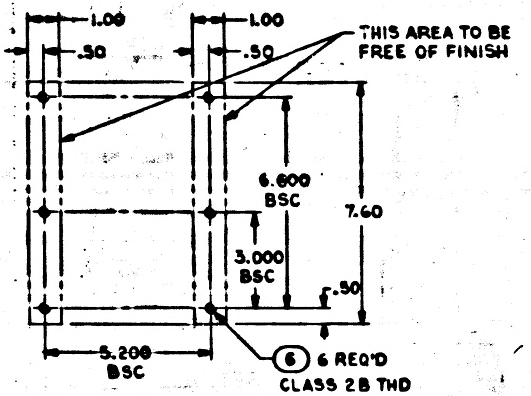
⑦ 4 REQ'D
CLASS 2B THD
SEE NOTE 5
.312 DIA SPOTFACE
.010 DIA
㉗ REF
REF ④
REF ③
.40 TYP
.076
.42 TYP
.280 BSC TYP

PARTIAL SECTION J-J
SCALE : FULL



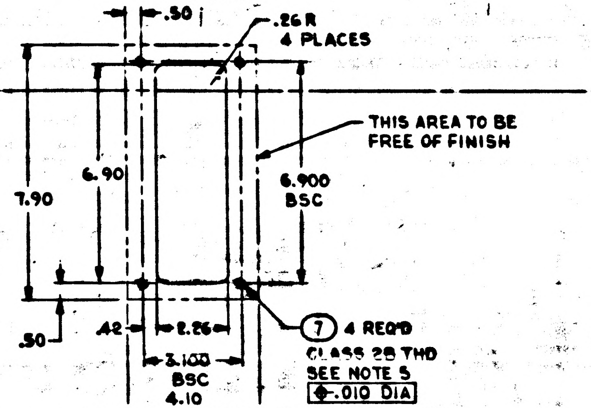
3.12
3.447 BSC
1.724 BSC
4.790
11.50
5.00
2.50
.40 R 3 PLACES
.250 THRU SEE NOTE 12
3.447 BSC
1.724 BSC
⑬ 4 REQ'D
INSTALL .01 TO .03 BELOW SURFACE
.396-.401 THRU
7/16-14UNC-2B THRU
90° CSK TO .452
.010 DIA
⑥ 22 REQ'D
CLASS 2B THD
SEE NOTE 5
⑦ 2 REQ'D
CLASS 2B THD
SEE NOTE 5
10°
1.250
11.60
10.70
8.80
6.00
1.250
3.00
1.00
3.50
2.80
4.30
1.10
1.250
11°
60°
1.250
16°
45°
2.90
5.00
5.30
2.20
6.00
6.40
8.30
9.10
9.50
10.00
3.80
5.80
7.10
1.250

SECTION G-G
(SH 3, ZONE H6)



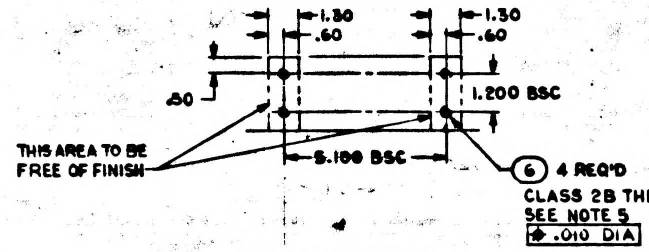
1.00
.50
1.00
.50
THIS AREA TO BE FREE OF FINISH
6.600 BSC
7.60
3.000 BSC
.50
5.200 BSC
⑥ 6 REQ'D
CLASS 2B THD
SEE NOTE 5
.010 DIA

HOLE CLUSTER F



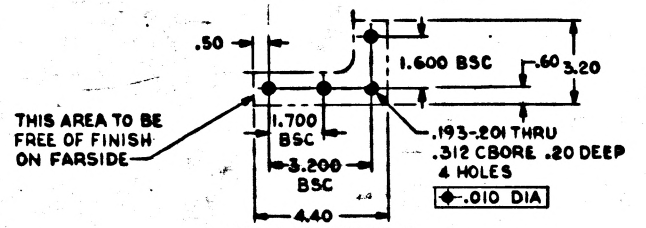
.50
.26 R 4 PLACES
THIS AREA TO BE FREE OF FINISH
7.90
6.90
6.900 BSC
.50
.42
2.26
3.100 BSC
4.10
⑦ 4 REQ'D
CLASS 2B THD
SEE NOTE 5
.010 DIA

HOLE CLUSTER E



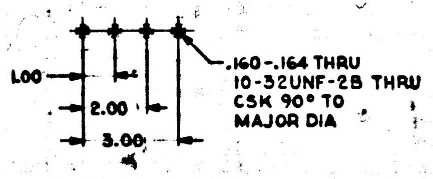
1.30
.60
1.30
.60
.50
1.200 BSC
THIS AREA TO BE FREE OF FINISH
5.100 BSC
⑥ 4 REQ'D
CLASS 2B THD
SEE NOTE 5
.010 DIA

HOLE CLUSTER D



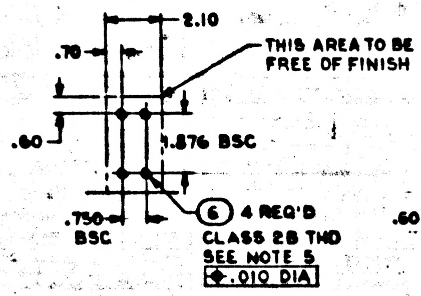
.50
1.600 BSC
.60
3.20
THIS AREA TO BE FREE OF FINISH ON FARSIDE
1.700 BSC
3.200 BSC
4.40
.193-.201 THRU
.312 CBORE .20 DEEP
4 HOLES
.010 DIA

HOLE CLUSTER C



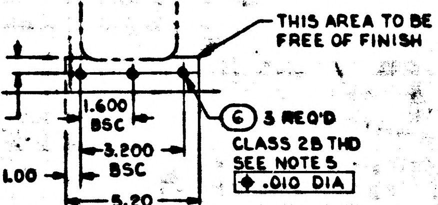
1.00
2.00
3.00
.160-.164 THRU
10-32UNF-2B THRU
CSK 90° TO MAJOR DIA

HOLE CLUSTER B



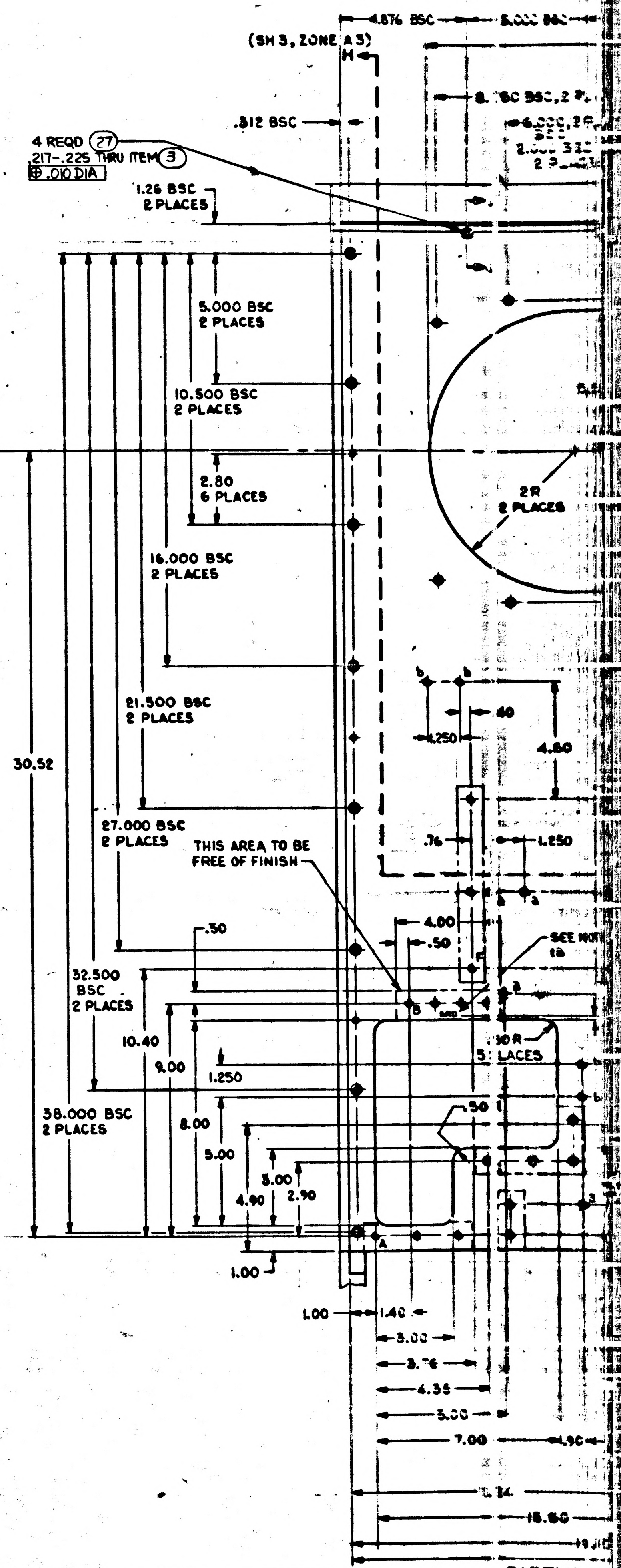
2.10
.70
THIS AREA TO BE FREE OF FINISH
.60
.876 BSC
.750 BSC
⑥ 4 REQ'D
CLASS 2B THD
SEE NOTE 5
.010 DIA

HOLE CLUSTER G



THIS AREA TO BE FREE OF FINISH
.60
1.600 BSC
3.200 BSC
1.00
5.20
⑥ 3 REQ'D
CLASS 2B THD
SEE NOTE 5
.010 DIA

HOLE CLUSTER A



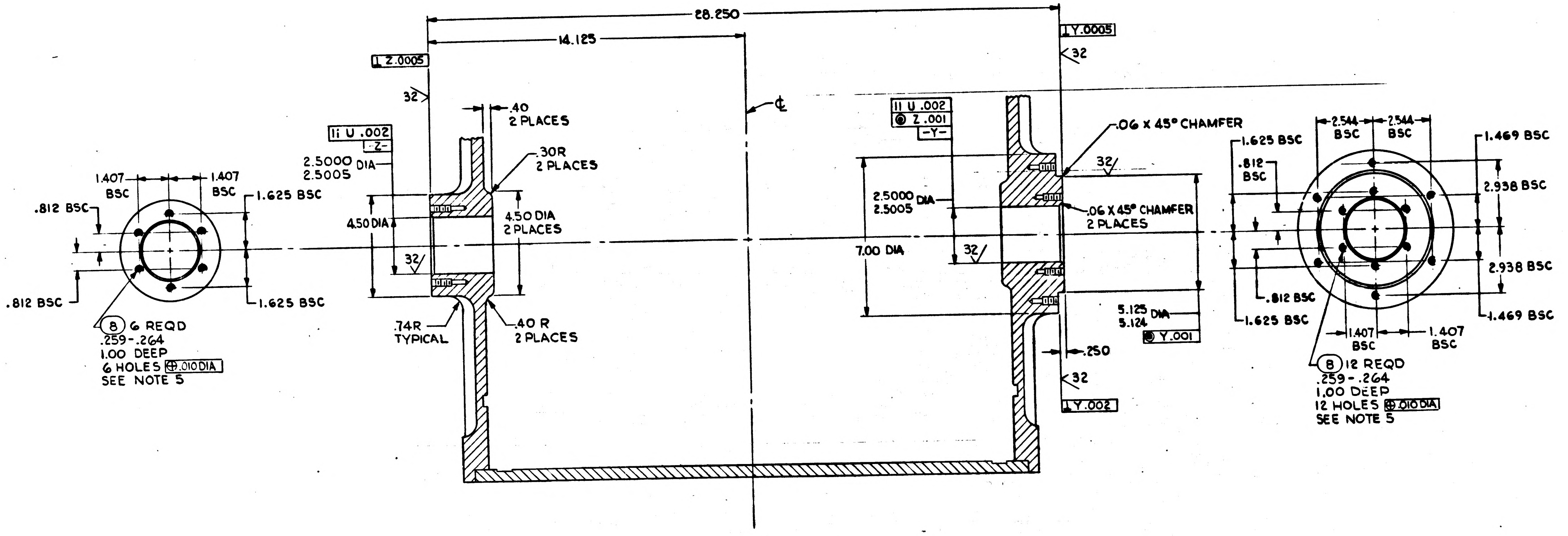
(SH 3, ZONE A3)
H
4.876 BSC
.312 BSC
4 REQD ㉗
.217-.225 THRU ITEM ③
.010 DIA
1.26 BSC 2 PLACES
5.000 BSC 2 PLACES
10.500 BSC 2 PLACES
2.80 6 PLACES
16.000 BSC 2 PLACES
21.500 BSC 2 PLACES
27.000 BSC 2 PLACES
THIS AREA TO BE FREE OF FINISH
30.52
32.500 BSC 2 PLACES
38.000 BSC 2 PLACES
2R 2 PLACES
.40
4.80
1.250
.76
1.250
4.00
.50
.50
10.40
9.00
1.250
8.00
5.00
3.00
4.90
2.90
1.00
1.00
1.40
3.00
3.76
4.35
5.00
7.00
16.60
.50 R 5 PLACES
.50

PARTIAL VI

2900629 SH 3 OF 4

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	B	THIS SHEET ADDED PER MXC 207902		5 JAN 66	BU JAC
	C	REVISION STATUS CHANGED		11 FEB 66	[illegible]
	D	REVISION STATUS CHANGED		14 FEB 66	RP [illegible]
	E	REVISION STATUS CHANGED		15 FEB 66	[illegible]
	F	INITIAL RELEASE CLASS A PER TDRR 26766		16 FEB 66	JJK [illegible]


28.250
14.125
⊥ Z.0005
32
.40
2 PLACES
.30R
2 PLACES
℄
∥ U .002
-Z-
2.5000
2.5005 DIA
4.50 DIA
4.50 DIA
2 PLACES
32
.74R
TYPICAL
.40 R
2 PLACES
1.407
BSC
1.407
BSC
.812 BSC
.812 BSC
1.625 BSC
1.625 BSC
8 6 REQD
.259-.264
1.00 DEEP
6 HOLES ⊕ .010 DIA
SEE NOTE 5
⊥ Y.0005
32
∥ U .002
◎ Z .001
-Y-
.06 X 45° CHAMFER
32
2.5000
2.5005 DIA
.06 X 45° CHAMFER
2 PLACES
7.00 DIA
32
5.125
5.124 DIA
◎ Y.001
.250
32
⊥ Y.002
2.544
BSC
2.544
BSC
1.625 BSC
.812
BSC
1.469 BSC
2.938 BSC
2.938 BSC
.812 BSC
1.625 BSC
1.469 BSC
1.407
BSC
1.407
BSC
8 12 REQD
.259-.264
1.00 DEEP
12 HOLES ⊕ .010 DIA
SEE NOTE 5

PARTIAL SECTION FF
(SH1, ZONE B10)

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 1°
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Bruenewald DATE 9 Dec 65
CHECKED Ed Foster 20 DEC
APPROVAL L. Gehman
CONTRACT NAS 9-497
NASA APPROVAL C. METZGER
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE, G AND N FIXTURE-
MATCHED

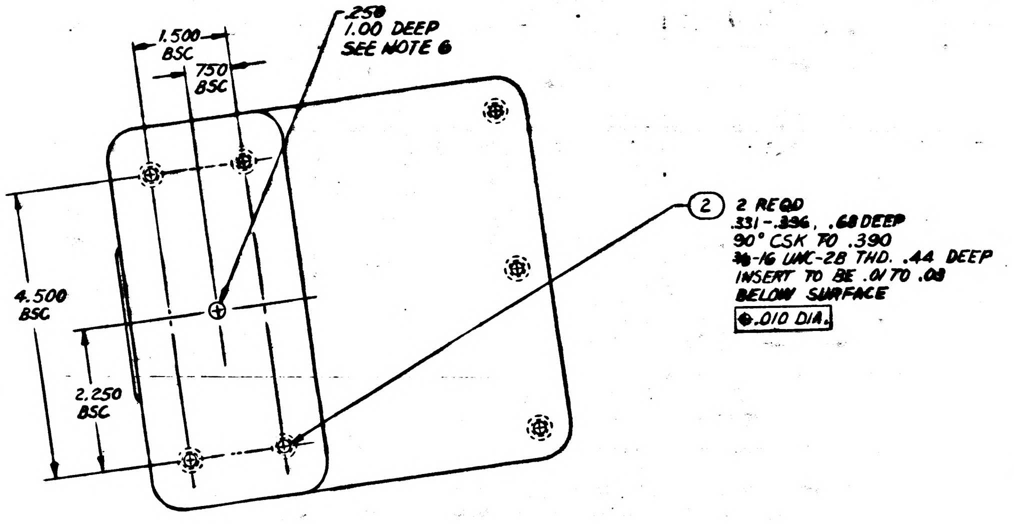
SIZE E
CODE IDENT NO. 99974
2900629
SCALE 1/2
SHEET 4 OF 4

NOTES:

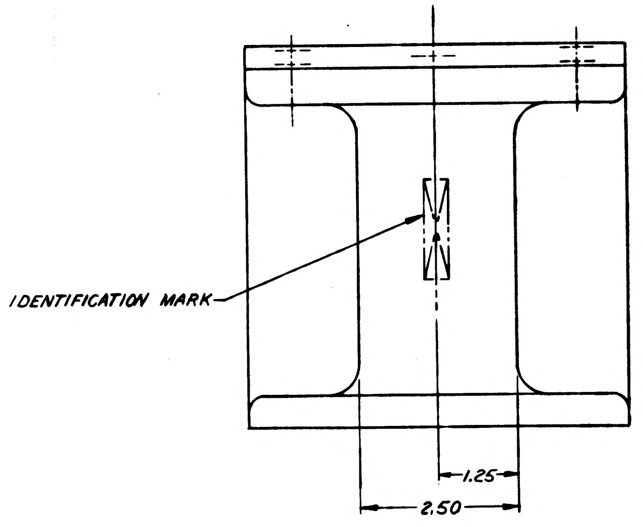
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-601, TYPE 356 COND T-6, ALUMINUM ALLOY (ES2107).
3. NORMAL CASTING DRAFT PERMISSIBLE.
4. MUST BE FREE FROM BURRS.
5. FINISH:
   A. APPLY CHEMICAL FILM PER MIL-C-5541 (ES591)
   B. APPLY ITEMS (3|4|5|7) AND TWO COATS OF ITEM ⑥. WHEN REQUIRED, USE THINNER, ITEM ⑧.
6. .250 DIA. HOLE PERMISSIBLE FOR MANUFACTURING PURPOSES ONLY.
7. UNLESS OTHERWISE SPECIFIED:
   A. ALL CAST FILLETS TO BE .50R; ALL OUTSIDE RADII .24 R.
   B. SURFACE ROUGHNESS NOT TO EXCEED 250√ AFTER FINISHING PER NOTE 5.
   C. MACHINED CORNERS TO BE .005 TO .015 R OR CHAMFER.
   D. ALL MACHINED SURFACES TO BE FREE OF FINISH EXCEPT CHEMICAL FILM.
   E. TOLERANCE BETWEEN CAST SURFACES TO BE ±.03.
8. INSPECT AS A CLASS 2B CASTING PER MIL-C-6021.
9. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
10. AFTER ROUGH MACHINING AND BEFORE FINISH MACHINING, CASTING SHALL BE STRESS RELIEVED AT 440° ±10°F FOR 5 HOURS.

REVISIONS

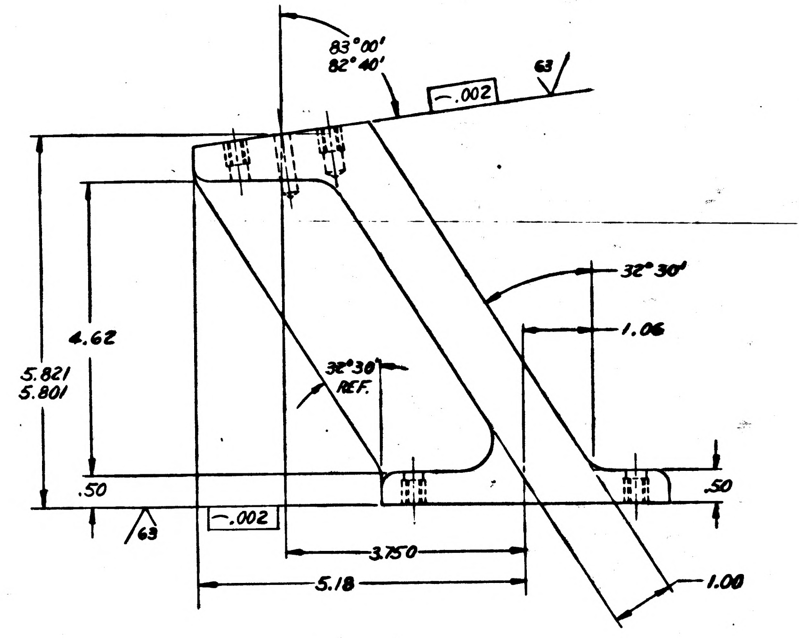
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
—	B	REPLACES REV A WITH CHANGE PER MXC206617		15 NOV 65	PHG / W.D.
—	C	REVISED PER MXC 208398		21 JAN 66	
	D	INITIAL RELEASE CLASS A PER TDRR 26766		9 FEB 66	EMS



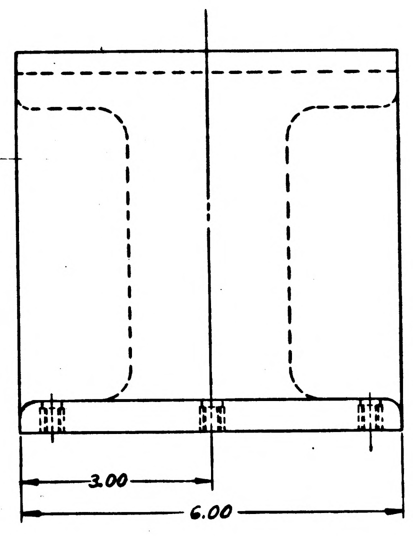
.250
1.00 DEEP
SEE NOTE 6
1.500 BSC
.750 BSC
4.500 BSC
2.250 BSC
② 2 REQD
.331-.336, .68 DEEP
90° CSK TO .390
3/8-16 UNC-2B THD. .44 DEEP
INSERT TO BE .01 TO .03
BELOW SURFACE
⊕ .010 DIA.

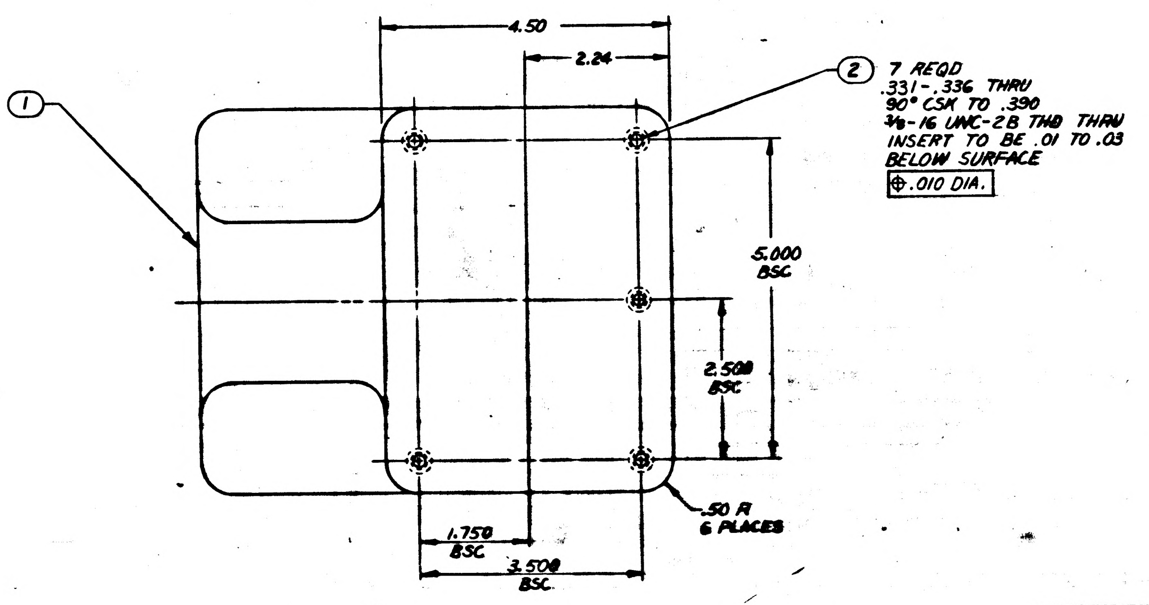


IDENTIFICATION MARK
1.25
2.50



83°00'
82°40'
.002
63
32°30'
1.06
4.62
5.821
5.801
32°30' REF.
.50
.50
.002
63
3.750
5.18
1.00





①
4.50
2.24
② 7 REQD
.331-.336 THRU
90° CSK TO .390
3/8-16 UNC-2B THD THRU
INSERT TO BE .01 TO .03
BELOW SURFACE
⊕ .010 DIA.
5.000 BSC
2.500 BSC
.50 R
6 PLACES
1.750 BSC
3.500 BSC

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
8	AR	1897355	THINNER - PAINT
7	AR	1897353-002	GLAZE-FILLER, RUBBER BASE
6	AR	1016232	ENAMEL, DARK GRAY COLOR 26251 OF FED-STD-595
5	AR	1897353-001	GLAZE-FILLER, RUBBER BASE
4	AR	1016233	FILLER METAL SURFACE, RUBBER BASE
3	AR	1016234	COATING COMPOUND, RUBBER BASE
2	9	NAS1394C-4L	(1897060-241) INSERT, SCREW THD.
1	1	MX114915-001	ADAPTER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900629	2900067

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — −   DECIMALS ±.02 ±.005   ANGLES ± 1°
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Frank R. Walton DATE 3 AUG. 65
CHECKED C. Pinder 29 OCT 65
APPROVAL R.C. [illegible] Nov 65
APPROVAL K. Johnson 3/1/66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL W. Kupfer 1 Mar 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ADAPTER, NAV BASE SUPPORT
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900650
SCALE FULL
SHEET 1 OF 1

D.O.
60770

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER DO. 60887.	11 AUG 65	W.A.
B	REVISED PER MXC 206333	29 OCT 65	JWP EF
C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R

AC ONLY

REV															
SHEET															
REV STATUS OF SHEETS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN
DRAWN R. B. Beleu DATE 20 JUL 65
CHECKED E. Fleming 21 July '65
APPROVAL C. W. Wise 23 JUL 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL a. metzger / RJS (Phone approval)
MIT APPROVAL W Kaffe 30 Jul 65
CONTRACT NAS9-497

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W148

CODE IDENT NO. 99974
SIZE A
2900652
REV C
SCALE None
SHEET 1 OF 14

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
4	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
5	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
6	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 11 OR ITEMS 12 AND 13.
7	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
8	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
9	SECURE TO CABLE USING ITEM 10, MARKING TO READ AWAY FROM CONNECTOR
10	SERIALIZE PER ND 1002023.
11	MARK IDENTIFICATION BANDS AS NOTED ON DRAWING, .12 INCH HIGH, COLOR BLACK PER ND 1002019. CENTRALIZE.
12	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 9 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
13	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR C	SHEET 2 OF 14

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	ASSEMBLE PER ND1002032

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FEET	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR C	SHEET 3 OF 14

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900652-001	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT., 204 FT. TOTAL LENGTH
	2	1	2900652-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT., 23 FT. TOTAL LENGTH
	3	1	1897232-231	CONNECTOR, PLUG
5	4	3	1016006-002	SPLICE REDUCER
5	5	6	1010490-258	INSULATION SLEEVING
5	6	2	1016128-041	BAND, IDENTIFICATION
5	7	1	1016128-011	BAND, IDENTIFICATION
5	8	48	1015864-232	INSULATION SLEEVING
	9	AR	1901390	FILLER TAPE
	10	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	11	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	12	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	13	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	14	1	2900652-003	ZIPPER TUBING, ND1002155, TYPE I, GRAY, 1.00 DIA., 6 FT. TOTAL LENGTH
5	15	4	1016006-003	SPLICE REDUCER
5	16	7	1010490-256	INSULATION SLEEVE

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR C	SHEET 4 OF 14

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
5	17	49	1897300-001	MINIATURE SPRING SOCKET
	18		MS35489-16	DELETED
	19		000000	DELETED
	20		000000	DELETED
	21		000000	DELETED
	22		1017429- 4	DELETED
	23	1	2900877-011	CONNECTOR, PLUG, ELECTRICAL
	24		1017481- 11	DELETED
	25		1006783- 19	DELETED
5	26	2	1016006-004	SPLICE REDUCER
5	27	1	1010490-342	INSULATION SLEEVING
	28	1	2900652-004	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU,WHT/RED, 5 FT 6 IN. TOTAL LENGTH
	29	1	2900652-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 12 INCHES TOTAL LENGTH
5	30	2	1010763- 2	SOLDER SLEEVE
5	31	2	1010490-226	INSULATION SLEEVING, ELEC
5	32	2	1010490-228	INSULATION SLEEVING, ELEC
5	33	6	1016006-001	SPLICE REDUCER

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR C	SHEET 5 OF 14

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		P1-A E1-B					.28 .38	YES NO			
A 2	1		P1-E E1-B					.28 .38	YES NO			
A 3	2		E1-B P2-A6					.38 .18	NO NO		17	
A 4	1		P1-B E2-B					.28 .50	YES NO			
A 5	1		P1-G E2-B					.28 .50	YES NO			
A 6	1		P1-J E2-B					.28 .50	YES NO			
A 7	1		P1-E* E2-B					.28 .50	YES NO			
A 8	1		P1-Y* E2-B					.28 .50	YES NO			
A 9	2		E2-BB P2-B8					.50 .18	NO NO		17	
A 10	2		E2-BB P2-B9					.50 .18	NO NO		17	
A 11	2		E2-BB P2-C8					.50 .18	NO NO		17	
A 12	2		E2-BB P2-C9					.50 .18	NO NO		17	

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR #C	SHEET 6 OF 14

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-H E3-B					.28 .38	YES NO			
A 14	1		P1-F E3-B					.28 .38	YES NO			
A 15	2		E3-BB P2-F7					.38 .18	NO NO		17	
A 16	1		P1-C E1-B					.28 .38	YES NO			
A 17	1		P1-D E2-B					.28 .50	YES NO			
A 18	1		P1-Q E4-B					.28 .38	YES NO			
A 19	1		P1-S E4-B					.28 .38	YES NO			
A 20	2		E4-B P2-B3					.38 .18	NO NO		17	
A 21	1		P1-R E5-B					.28 .38	YES NO			
A 22	1		P1-T E5-B					.28 .38	YES NO			
A 23	1		P1-N* E5-B					.28 .38	YES NO			
A 24	2		E5-B P2-B1					.38 .18	NO NO		17	

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR #C	SHEET 7 OF 14

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		E5-BB P2-C1					.38 .18	NO NO		17	
A 26	2		E1-B P2-A7					.38 .18	YES NO		17	
A 27	2		E1-B P2-B6					.38 .18	NO NO		17	
A 28	1		P1-N E2-B					.28 .50	YES NO			
A 29	2		E1-B P2-B7					.38 .18	NO NO		17	
A 30	2		E1-BB P2-C6					.38 .18	YES NO		17	
A 31	1		P1-J* E9-B					.28 .38	NO NO			
A 32	1		P1-A* E7-B					.28 .50	YES NO			
A 33	1		P1-F* E7-B					.28 .50	YES NO			
A 34	2		E7-B P2-A4					.50 .18	NO NO		17	
A 35	1		P1-D* E7-B					.28 .50	YES NO			
A 36	2		E7-BB P2-A5					.50 .18	NO NO		17	

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR #C	SHEET 8 OF 14

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P1-B* E7-B					.28 .50	YES NO			
A 38	2		E7-BB P2-A3					.50 .18	NO NO		17	
A 39	1		P1-H* E8-B					.28 .38	YES NO			
A 40	1		P1-G* E8-B					.28 .38	YES NO			
A 41	2		E8-B P2-F8					.38 .18	NO NO		17	
A 42	1		P1-M* E6-B					.28 .38	YES NO			
A 43	1		P1-P* E6-B					.28 .38	YES NO			
A 44	2		E6-B P2-B2					.38 .18	NO NO		17	
A 45	2		E1-BB P2-C7					.38 .18	NO NO		17	
A 46	2		E1-BB P2-D6					.38 .18	NO NO		17	
A 47	2		E2-BB P2-D7					.50 .18	NO NO		17	
A 48	2		E2-BB P2-D8					.50 .18	NO NO		17	

SIZE	CODE IDENT NO.	
A	99974	2900652
SCALE-NONE	REV LTR #C	SHEET 9 OF 14

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P1-C*					.28	YES			
			P1-X*					.28	YES			
A 50	1		P1-Z					.28	YES			
			E11					.38	NO			
A 51	2		E2-BB					.50	NO			
			P2-D9					.18	NO		17	
A 52	1		P1-Z*					.28	YES			
			E12					.38	NO			
A 53	2		E2-BB					.50	NO			
			P2-F9					.18	NO		17	
A 54	2		E3-BB					.38	NO			
			P2-G7					.18	NO		17	
A 55	2		E3-BB					.38	NO			
			P2-H7					.18	NO		17	
A 56	28				5.30	5.00				A,6A	30, 32	
					5.30	5.00				B,7	31	
A 56A	29		SHLD A56					.25	NO			
			E10					.38	NO			
A 56L			P1-W					.28	NO			
			E13-B					.18	NO			
A 56R			P1-V					.28	NO			
			E14-B					.18	NO			
A 57	2		E4-BB					.38	NO			
			P2-C3					.18	NO		17	

SIZE A
CODE IDENT NO. 99974
2900652
SCALE-NONE
REV LTR C
SHEET 10 OF 14

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 58	2		E4-BB					.38	NO			
			P2-D3					.18	NO		17	
A 59	2		E4-BB					.38	NO			
			P2-F3					.18	NO		17	
A 60	2		E5-BB					.38	NO			
			P2-D1					.18	NO		17	
A 61	2		E5-BB					.38	NO			
			P2-F1					.18	NO		17	
A 62	2		E6-BB					.38	NO			
			P2-D2					.18	NO		17	
A 63	2		E6-BB					.38	NO			
			P2-C2					.18	NO		17	
A 64	2		E6-BB					.38	NO			
			P2-F2					.18	NO		17	
A 65	28				3.30	3.00				A,6A	30, 32	
					3.30	3.00				B,7	31	
A 65A	29		SHLD A65					.25	NO			
			E10-B					.38	NO			
A 65L			P1-R*					.28	NO			
			E15-B					.18	NO			
A 65R			P1-Q*					.28	NO			
			E16-B					.18	NO			
A 66	1		E10-B					.38	NO			
			P1-X					.28	NO			

SIZE A
CODE IDENT NO. 99974
2900652
SCALE-NONE
REV LTR C
SHEET 11 OF 14

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67	2		E7-BB					.50	NO			
			P2-B4					.18	NO		17	
A 68	2		E7-BB					.50	NO			
			P2-B5					.18	NO		17	
A 69	2		E7-BB					.50	NO			
			P2-C4					.18	NO		17	
A 70	2		E7-BB					.50	NO			
			P2-C5					.18	NO		17	
A 71	2		E8-BB					.38	NO			
			P2-G8					.18	NO		17	
A 72	2		E8-BB					.38	NO			
			P2-H8					.18	NO		17	
A 73	2		E9-B					.38	NO			
			P2-G9					.18	NO		17	
A 74	2		E9-B					.38	NO			
			P2-H9					.18	NO		17	
A 75	2		E11					.38	NO			
			P2-F4					.18	NO		17	
A 76	2		E12					.38	NO			
			P2-G3					.18	NO		17	
A 77	2		E13-BB					.38	NO			
			P2-H3					.18	NO		17	
A 78	2		E14-BB					.38	NO			
			P2-K3					.18	NO		17	

SIZE A
CODE IDENT NO. 99974
2900652
SCALE-NONE
REV LTR C
SHEET 12 OF 14

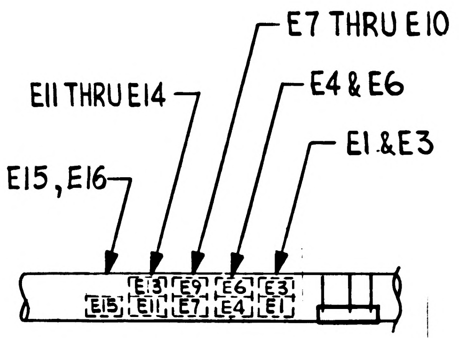
MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	2		E15-BB					.38	NO			
			P2-K7					.18	NO		17	
A 80	2		E16-BB					.38	NO			
			P2-K6					.18	NO		17	
A 81	2		P1-S*					.28	YES			
			P2-F6					.18	NO		17	

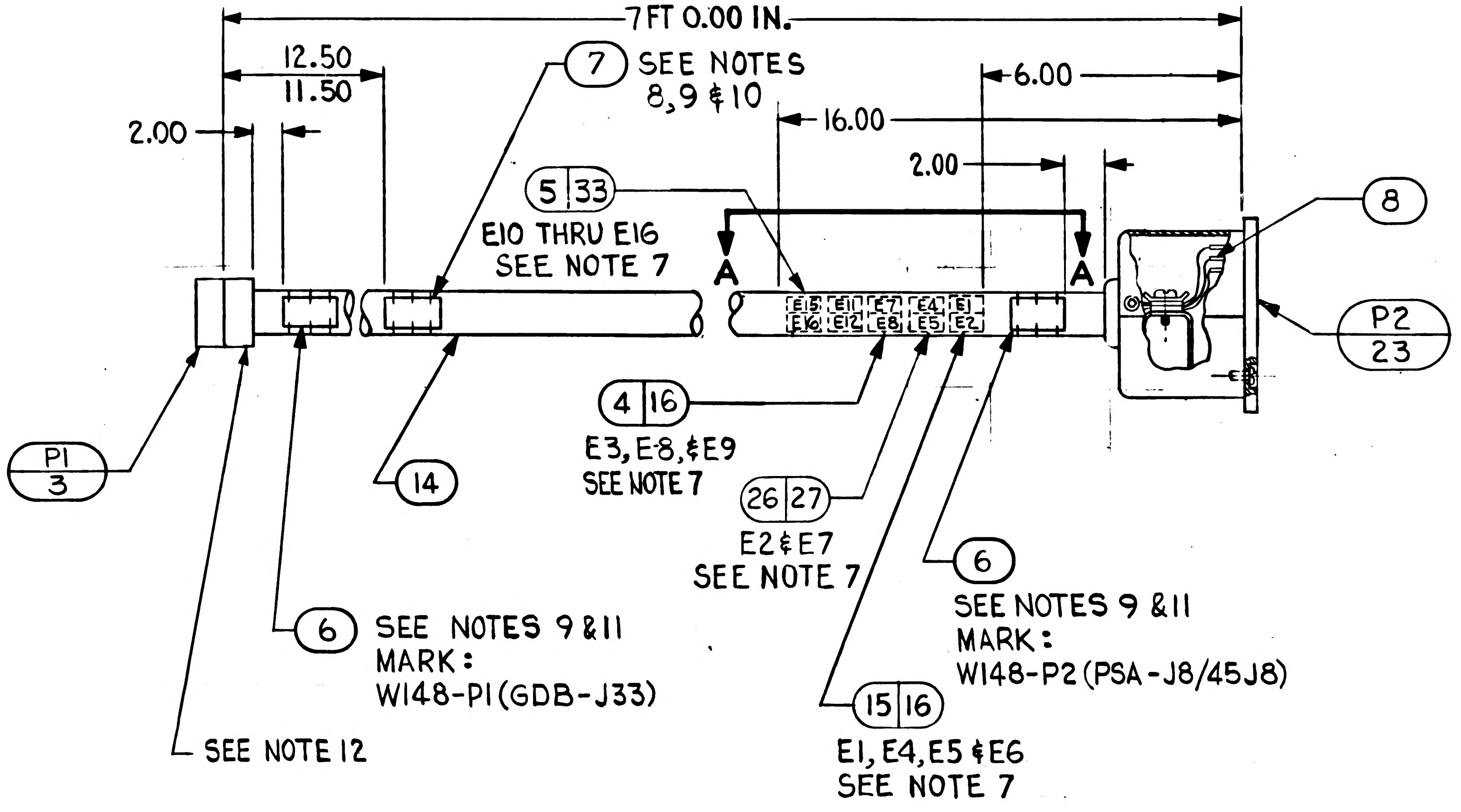
SIZE A
CODE IDENT NO. 99974
2900652
SCALE-NONE
REV LTR C
SHEET 13 OF 14

MIL 2084 9-65

REVISIONS TDRR 24761					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD			


E7 THRU E10
E11 THRU E14
E4 & E6
E1 & E3
E15, E16
E13 E9 E6 E3
E15 E11 E7 E4 E1

PARTIAL VIEW A-A


7 FT 0.00 IN.
12.50
11.50
2.00
7 SEE NOTES 8, 9 & 10
6.00
16.00
2.00
5 33
E10 THRU E16 SEE NOTE 7
A
A
8
P2 23
P1 3
14
4 16
E3, E8, & E9 SEE NOTE 7
26 27
E2 & E7 SEE NOTE 7
6
SEE NOTES 9 & 11 MARK: W148-P2 (PSA-J8/45J8)
6 SEE NOTES 9 & 11 MARK: W148-P1 (GDB-J33)
15 16
E1, E4, E5 & E6 SEE NOTE 7
SEE NOTE 12

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL
—
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. G. Becker DATE 20 JUL 65
CHECKED E. Fleming 21 July '65
APPROVAL C. W. Wise 23 JUL 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJS. (Phone Approval)
MIT APPROVAL W. Kopp Jr. 10 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W148

CODE IDENT NO.	SIZE	
99974	C	2900652
SCALE NONE		SHEET 14 OF 14

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900024-011	2900024-011	A	REPLACES REV (+) WITH CHANGE	17 AUG 65	R.W.T. / WP
		B	REVISED PER MXC-204435	3 SEP 65	LR / W.D.
		C	REVISED PER MXC-204905	17SEP 65	JWP
		D	REVISED PER MXC 205815	15 OCT 65	S.A. / EF
		E	REVISED PER MXC 206119	20 OCT 65	PHG / EF
		F	INITIAL RELEASE CLASS A PER TDRR 23557	21 OCT 65	GR / cw

Clar Custer 5AUG 65

REV	F	F	F	F	F																	
SHEET	22	23	24	25	26																	
REV STATUS REV			F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
OF SHEETS SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN
DRAWN DATE 28JUL 65
CHECKED Moige 5 JUL 65
APPROVAL 5 AUG 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE A
2900653
REV F
SCALE —
SHEET 1 OF 26

WIRING HARNESS B 2900653 F

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

5 LOCATE ITEM 10 ADJACENT TO ITEM 9.

6 LACE HARNESS USING ITEM 17.

7 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 18 OR ITEMS 19 AND 20.

8 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.

9 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
Y - WHITE WITH YELLOW TRACER

10 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

11 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

12 TAPE HARNESS USING ITEM 15 AT POINTS WHERE ABRASION MAY OCCUR.

13 APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND 1002019.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE
REV LTR F
SHEET 2 OF 26~~25~~

WIRING HARNESS B 2900653 F

NOTE NUMBER | GENERAL NOTES DESCRIPTION

14 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE

15 MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019, CENTRALIZE.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

16 ASSEMBLE PER ND 1002032.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE
REV LTR F
SHEET 3 OF 26~~25~~

WIRING HARNESS B 2900653 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900653-001	WIRE ND1002181, CLASS 1, TYPE 1, 20AWG WHT, TOTAL LENGTH.
	2	1	2900653-002	WIRE ND1002181, CLASS 1, TYPE 1, 22AWG WHT, TOTAL LENGTH
	3	1	2900653-003	WIRE ND1002181, CLASS 4, TYPE 2, WHITE JACKET, 20AWG, WHT/BLU, WHT/RED,
10	4	6	1015957-173	CONNECTOR, RECEPTACLE, ELECTRICAL
10	5	14	1015957-171	CONNECTOR, RECEPTACLE, ELECTRICAL
	6	8	1897267-001	CONNECTOR, RECEPTACLE, ELECTRICAL
	7	~~172~~ 183	1897266- 1	CONTACT, RECEPTACLE
10	8	~~134~~ 145	1015864-110	INSULATION SLEEVING, ELECTRICAL
	9	~~40~~ 44	1010763-2 ~~1010763-3~~	SOLDER SLEEVE
10	10	~~80~~ 88	1010490-226	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
10	11	3	1010490-256	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
10	12	1	1010490-200	INSULATION SLEEVING, ELECTRICAL, HEAT SHRINK
10	13	3	1016006-003	SPLICE REDUCER
10	14	1	1016006-001	SPLICE REDUCER
10	15	8	1016128-041	BAND IDENTIFICATION-BLANK
10	16	1	1016128-011	BAND IDENTIFICATION-BLANK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE
REV LTR F
SHEET 4 OF ~~25~~ 26

WIRING HARNESS B 2900653 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED (ES2732) ~~NO. 18)~~
	18	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	19	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	20	AR	SN60WS	SOLDER QQ-S-571, (ES2175-1)
	21	1	2900653-004	WIRE, ND 1002181, TYPE 3 CLASS 4 WHT JKT, 22 AWG (WHT-BLUE, WHT-RED, WHT-YEL) 5 FT TOTAL LENGTH
10	22	1	1015957-167	CONNECTOR, RECEPTACLE ELECTRICAL

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 1A	2		SHLD B1 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 1L			P75-A2 J91-B	21 8				.12 .19	NO YES		7 8	
B 1R			P75-A1 J91-A	21 8				.12 .19	NO YES		7 8	
B 2	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 2A	2		SHLD B2 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 2L			P75-A4 J92-B	21 5				.12 .19	NO YES		7 8	
B 2R			P75-A3 J92-A	21 5				.12 .19	NO YES		7 8	
B 3	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 3A	2		SHLD B3 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 3L			P75-A6 J94-B	21 1				.12 .19	NO YES		7 8	
B 3R			P75-A5 J94-A	21 1				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900653

SCALE-NONE | REV LTR ~~E~~ F | SHEET 6 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 4	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 4A	2		SHLD B4 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 4L			P75-A8 J94-Z	21 1				.12 .19	NO YES		7 8	
B 4R			P75-A7 J94-Y	21 1				.12 .19	NO YES		7 8	
B 5	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 5A	2		SHLD B5 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 5L			P75-A10 J101-B	21 7				.12 .19	NO YES		7 8	
B 5R			P75-A9 J101-A	21 7				.12 .19	NO YES		7 8	
B 6	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 6A	2		SHLD B6 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 6L			P75-A12 J102-B	21 6				.12 .19	NO YES		7 8	
B 6R			P75-A11 J102-A	21 6				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900653

SCALE-NONE | REV LTR ~~E~~ F | SHEET 7 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 7	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 7A	2		SHLD B7 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 7L			P75-A14 J103-B	21 3				.12 .19	NO YES		7 8	
B 7R			P75-A13 J103-A	21 3				.12 .19	NO YES		7 8	
B 8	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 8A	2		SHLD B8 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 8L			P75-A16 J104-B	21 2				.12 .19	NO YES		7 8	
B 8R			P75-A15 J104-A	21 2				.12 .19	NO YES		7 8	
B 9	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 9A	2		SHLD B9 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 9L			P75-A18 J91-Z	21 8				.12 .19	NO YES		7 8	
B 9R			P75-A17 J91-Y	21 8				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900653

SCALE-NONE | REV LTR ~~E~~ F | SHEET 8 OF 26 ~~25~~

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 10	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 10A	2		SHLD B10 ~~E1-B~~ E101-B	29				.25 .38	NO NO			
B 10L			P75-A20 J92-Z	21 5				.12 .19	NO YES		7 8	
B 10R			P75-A19 J92-Y	21 5				.12 .19	NO YES		7 8	
B 11	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 11A	2		SHLD B11 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 11L			P75-A22 J104-Z	21 2				.12 .19	NO YES		7 8	
B 11R			P75-A21 J104-Y	21 2				.12 .19	NO YES		7 8	
B 12	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 12A	2		SHLD B12 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 12L			P75-A24 J103-Z	21 3				.12 .19	NO YES		7 8	
B 12R			P75-A23 J103-Y	21 3				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900653

SCALE-NONE | REV LTR ~~E~~ F | SHEET 9 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 13	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 13A	2		SHLD B13 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 13L			P75-A26 J101-Z	21 7				.12 .19	NO YES		7 8	
B 13R			P75-A25 J101-Y	21 7				.12 .19	NO YES		7 8	
B 14	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 14A	2		SHLD B14 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 14L			P75-A28 J102-Z	21 6				.12 .19	NO YES		7 8	
B 14R			P75-A27 J102-Y	21 6				.12 .19	NO YES		7 8	
B 15	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 15A	2		SHLD B15 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 15L			P76-A2 J88-Z	22 13				.12 .19	NO YES		7 8	
B 15R			P76-A1 J88-Y	22 13				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE REV LTR ~~E~~ F SHEET 10 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 16	3				3.80 2.80	3.50 2.50				A,6A B,7	9, 10 10	
B 16A	2		SHLD B16 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 16L			P76-A4 J89-Z	22 12				.12 .19	NO YES		7 8	
B 16R			P76-A3 J89-Y	22 12				.12 .19	NO YES		7 8	
B 17	3				3.80 2.80	3.50 2.50				A,6A B,7	9, 10 10	
B 17A	2		SHLD B17 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 17L			P76-A6 J90-Z	22 9				.12 .19	NO YES		7 8	
B 17R			P76-A5 J90-Y	22 9				.12 .19	NO YES		7 8	
B 18	3				3.80 2.80	3.50 2.50				A,6A B,7	9, 10 10	
B 18A	2		SHLD B18 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 18L			P76-A8 J98-Z	22 14				.12 .19	NO YES		7 8	
B 18R			P76-A7 J98-Y	22 14				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE REV LTR ~~E~~ F SHEET 11 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 19	3				3.80 2.80	3.50 2.50				A,6A B,7	9, 10 10	
B 19A	2		SHLD B19 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 19L			P76-A10 J99-Z	22 11				.12 .19	NO YES		7 8	
B 19R			P76-A9 J99-Y	22 11				.12 .19	NO YES		7 8	
B 20	3				3.80 2.80	3.50 2.50				A,6A B,7	9, 10 10	
B 20A	2		SHLD B20 ~~E2-B~~ E102-B	30				.25 .38	NO NO			
B 20L			P76-A12 J100-Z	22 10				.12 .19	NO YES		7 8	
B 20R			P76-A11 J100-Y	22 10				.12 .19	NO YES		7 8	
B 21	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 21A	2		SHLD B21 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 21L			P76-B2 J85-B	23 20				.12 .19	NO YES		7 8	
B 21R			P76-B1 J85-A	23 20				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE-NONE REV LTR ~~E~~ F SHEET 12 OF ~~25~~ 26

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WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 22	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 22A	2		SHLD B22 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 22L			P76-B4 J86-B	23 17				.12 .19	NO YES		7 8	
B 22R			P76-B3 J86-A	23 17				.12 .19	NO YES		7 8	
B 23	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 23A	2		SHLD B23 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 23L			P76-B6 J87-B	23 16				.12 .19	NO YES		7 8	
B 23R			P76-B5 J87-A	23 16				.12 .19	NO YES		7 8	
B 24	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 24A	2		SHLD B24 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 24L			P76-B8 J95-B	23 19				.12 .19	NO YES		7 8	
B 24R			P76-B7 J95-A	23 19				.12 .19	NO YES		7 8	

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WIRING HARNESS B 2900653 ~~E~~F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 25	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 25A	2		SHLD B25 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 25L			P76-B10 J96-B	23 18				.12 .19	NO YES		7 8	
B 25R			P76-B9 J96-A	23 18				.12 .19	NO YES		7 8	
B 26	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 26A	2		SHLD B26 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 26L			P76-B12 J97-B	23 15				.12 .19	NO YES		7 8	
B 26R			P76-B11 J97-A	23 15				.12 .19	NO YES		7 8	
B 27	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 27A	2		SHLD B27 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 27L			P76-B14 J85-Z	23 20				.12 .19	NO YES		7 8	
B 27R			P76-B13 J85-Y	23 20				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900653
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WIRING HARNESS B 2900653 ~~E~~F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 28	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 28A	2		SHLD B28 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 28L			P76-B16 J86-Z	23 17				.12 .19	NO YES		7 8	
B 28R			P76-B15 J86-Y	23 17				.12 .19	NO YES		7 8	
B 29	3				2.80 2.80	2.50 2.50				A,6A B,7	9, 10 10	
B 29A	2		SHLD B29 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 29L			P76-B18 J87-Z	23 16				.12 .19	NO YES		7 8	
B 29R			P76-B17 J87-Y	23 16				.12 .19	NO YES		7 8	
B 30	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 30A	2		SHLD B30 ~~E3-B~~ E103-B	31				.25 .38	NO NO			
B 30L			P76-B20 J95-Z	23 19				.12 .19	NO YES		7 8	
B 30R			P76-B19 J95-Y	23 19				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
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2900653
SCALE-NONE
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WIRING HARNESS B 2900653 ~~E~~F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 31	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 31A	2		SHLD B31 ~~E4-B~~ E104-B	32				.25 .38	NO NO			
B 31L			P76-B22 J96-Z	23 18				.12 .19	NO YES		7 8	
B 31R			P76-B21 J96-Y	23 18				.12 .19	NO YES		7 8	
B 32	3				3.30 2.80	3.00 2.50				A,6A B,7	9, 10 10	
B 32A	2		SHLD B32 ~~E4-B~~ E104-B	32				.25 .38	NO NO			
B 32L			P76-B24 J97-Z	23 15				.12 .19	NO YES		7 8	
B 32R			P76-B23 J97-Y	23 15				.12 .19	NO YES		7 8	
B 33	3				3.30 2.80	3.00 2.50				A,6B B,7	9, 10 10	
B 33A	2		SHLD B33 P76-D3	24				.25 .12	NO NO		7	
B 33L			P76-D2 J88-B	24 13				.12 .19	NO YES		7 8	
B 33R			P76-D1 J88-A	24 13				.12 .19	NO YES		7 8	

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2900653
SCALE-NONE
REV LTR ~~E~~ F
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WIRING HARNESS B 2900653 ~~E~~F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 34	3				3.30 2.80	3.00 2.50				A,6B B,7	9, 10 10	
B 34A	2		SHLD B34 P76-D6	24				.25 .12	NO NO		7	
B 34L			P76-D5 J89-B	24 12				.12 .19	NO YES		7 8	
B 34R			P76-D4 J89-A	24 12				.12 .19	NO YES		7 8	
B 35	3				3.80 2.80	3.50 2.50				A,6B B,7	9, 10 10	
B 35A	2		SHLD B35 P76-D9	24				.25 .12	NO NO		7	
B 35L			P76-D8 J90-B	24 9				.12 .19	NO YES		7 8	
B 35R			P76-D7 J90-A	24 9				.12 .19	NO YES		7 8	
B 36	3				3.80 2.80	3.50 2.50				A,6B B,7	9, 10 10	
B 36A	2		SHLD B36 P76-D12	24				.25 .12	NO NO		7	
B 36L			P76-D11 J98-B	24 14				.12 .19	NO YES		7 8	
B 36R			P76-D10 J98-A	24 14				.12 .19	NO YES		7 8	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 37	3				3.80 2.80	3.50 2.50				A,6B B,7	9, 10 10	
B 37A	2		SHLD B37 P76-D15	24				.25 .12	NO NO		7	
B 37L			P76-C14 J99-B	24 11				.12 .19	NO YES		7 8	
B 37R			P76-D13 J99-A	24 11				.12 .19	NO YES		7 8	
B 38	3				3.80 2.80	3.50 2.50				A,6B B,7	9, 10 10	
B 38A	2		SHLD B38 P76-D18	24				.25 .12	NO NO		7	
B 38L			P76-C17 J100-B	24 10				.12 .19	NO YES		7 8	
B 38R			P76-D16 J100-A	24 10				.12 .19	NO YES		7 8	
B 39	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 39A	2		SHLD B39 ~~E4-B~~ E104-B	32				.25 .38	NO NO			
B 39L			P76-D20 J93-B	24 4				.12 .19	NO YES		7 8	
B 39R			P76-C19 J93-A	24 4				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE - NONE
REV LTR ~~E~~ F
SHEET 18 OF ~~25~~ 26

WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 40	3				2.30 2.80	2.00 2.50				A,6A B,7	9, 10 10	
B 40A	2		SHLD B40 ~~E4-B~~ E104-B	32				.25 .38	NO NO			
B 40L			P76-D22 J93-Z	24 4				.12 .19	NO YES		7 8	
B 40R			P76-D21 J93-Y	24 4				.12 .19	NO YES		7 8	
B 41	1		P83-A1 J85-J	25 20				.12 .19	NO YES		7 8	
B 42	1		P83-A2 J96-J	25 18				.12 .19	NO YES		7 8	
B 43	1		P83-A3 J90-J	25 9				.12 .19	NO YES		7 8	
B 44	1		P83-A4 J94-J	25 1				.12 .19	NO YES		7 8	
B 45	1		P83-A5 J101-J	25 7				.12 .19	NO YES		7 8	
B 46	1		P83-A8 J88-L	25 13				.12 .19	NO YES		7 8	
B 47	1		P83-A9 J92-L	25 5				.12 .19	NO YES		7 8	
B 48	1		P83-A10 J99-L	25 11				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE - NONE
REV LTR ~~E~~ F
SHEET 19 OF ~~25~~ 26

WIRING HARNESS B 2900653 ~~E~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 49	1		P83-A11 J103-L	25 3				.12 .19	NO YES		7 8	
B 50	1		P83-B1 J86-J	26 17				.12 .19	NO YES		7 8	
B 51	1		P83-B2 J97-J	26 15				.12 .19	NO YES		7 8	
B 52	1		P83-B3 J91-J	26 8				.12 .19	NO YES		7 8	
B 53	1		P83-B4 J98-J	26 14				.12 .19	NO YES		7 8	
B 54	1		P83-B5 J102-J	26 6				.12 .19	NO YES		7 8	
B 55	1		P83-B8 J89-L	26 12				.12 .19	NO YES		7 8	
B 56	1		P83-B9 J93-L	26 4				.12 .19	NO YES		7 8	
B 57	1		P83-B10 J100-L	26 10				.12 .19	NO YES		7 8	
B 58	1		P83-B11 J104-L	26 2				.12 .19	NO YES		7 8	
B 59	1		P83-B15 J86-K	26 17				.12 .19	NO YES		7 8	
B 60	1		P83-B16 J97-K	26 15				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE - NONE
REV LTR ~~E~~ F
SHEET 20 OF ~~25~~ 26

WIRING HARNESS B 2900653 ~~E~~ F

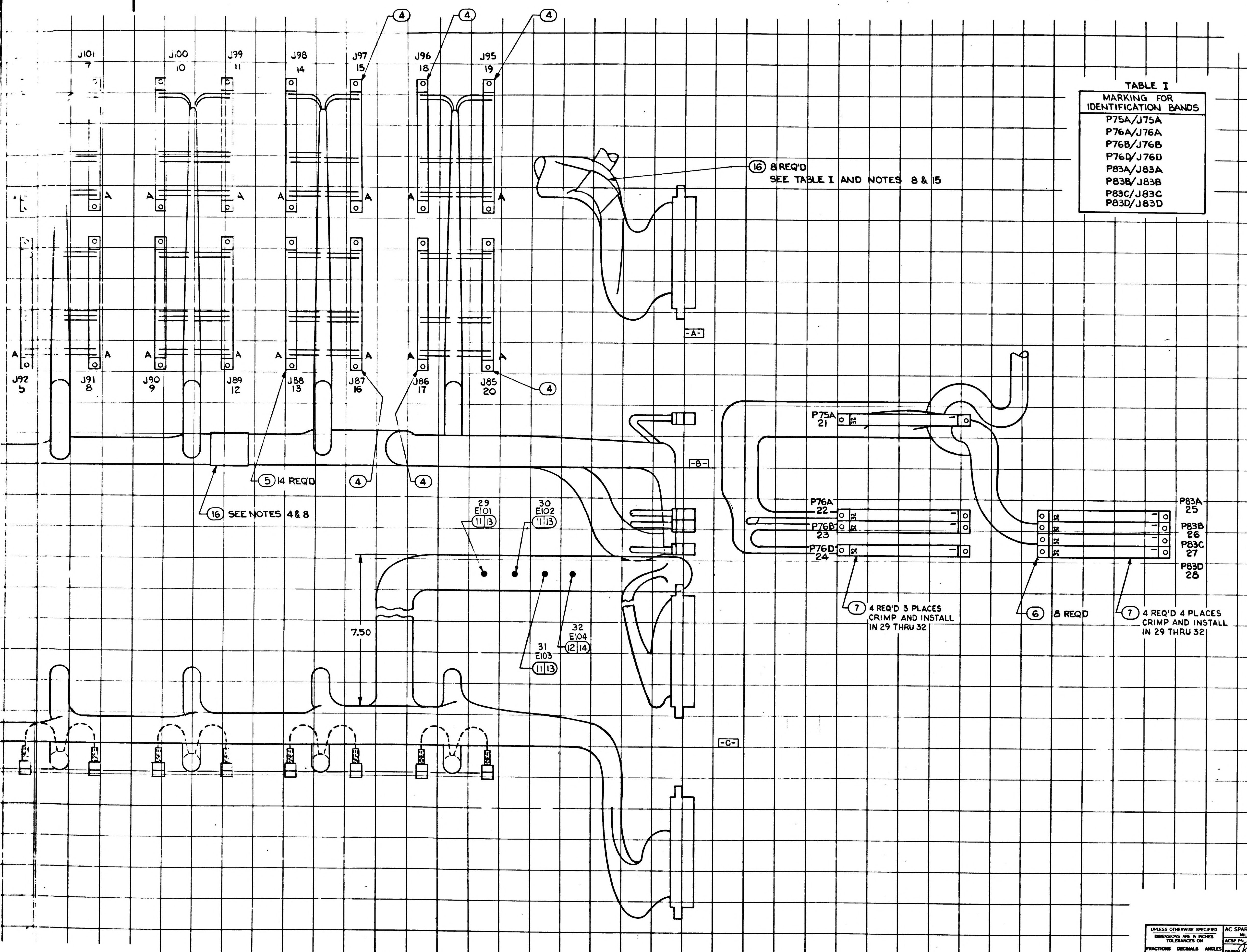
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 61	1		P83-B17 J91-K	26 8				.12 .19	NO YES		7 8	
B 62	1		P83-B18 J98-K	26 14				.12 .19	NO YES		7 8	
B 63	1		P83-B19 J102-K	26 6				.12 .19	NO YES		7 8	
B 64	1		P83-A15 J85-K	25 20				.12 .19	NO YES		7 8	
B 65	1		P83-A16 J96-K	25 18				.12 .19	NO YES		7 8	
B 66	1		P83-A17 J90-K	25 9				.12 .19	NO YES		7 8	
B 67	1		P83-A18 J94-K	25 1				.12 .19	NO YES		7 8	
B 68	1		P83-A19 J101-K	25 7				.12 .19	NO YES		7 8	
B 69	1		P83-C1 J87-J	27 16				.12 .19	NO YES		7 8	
B 70	1		P83-C2 J88-J	27 13				.12 .19	NO YES		7 8	
B 71	1		P83-C3 J92-J	27 5				.12 .19	NO YES		7 8	
B 72	1		P83-C4 J99-J	27 11				.12 .19	NO YES		7 8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900653
SCALE - NONE
REV LTR ~~E~~ F
SHEET 21 OF ~~25~~ 26

REVISIONS [illegible]

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD


J101
7
J100
10
J99
11
J98
14
J97
15
J96
18
J95
19
4
4
4
A
A
A
A
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A
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A
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A
A
A
J92
5
J91
8
J90
9
J89
12
J88
13
J87
16
J86
17
J85
20
4
16 8 REQ'D
SEE TABLE I AND NOTES 8 & 15
-A-
-B-
-C-
5 14 REQ'D
4
4
16 SEE NOTES 4 & 8
29
E101
11 13
30
E102
11 13
31
E103
11 13
32
E104
12 14
7.50
P75A
21
32
P76A
22
P76B
23
P76D
24
32
32
32
P83A
25
P83B
26
P83C
27
P83D
28
32
32
32
32
7 4 REQ'D 3 PLACES
CRIMP AND INSTALL
IN 29 THRU 32
6 8 REQD
7 4 REQ'D 4 PLACES
CRIMP AND INSTALL
IN 29 THRU 32

TABLE I

MARKING FOR IDENTIFICATION BANDS
P75A/J75A
P76A/J76A
P76B/J76B
P76D/J76D
P83A/J83A
P83B/J83B
P83C/J83C
P83D/J83D

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

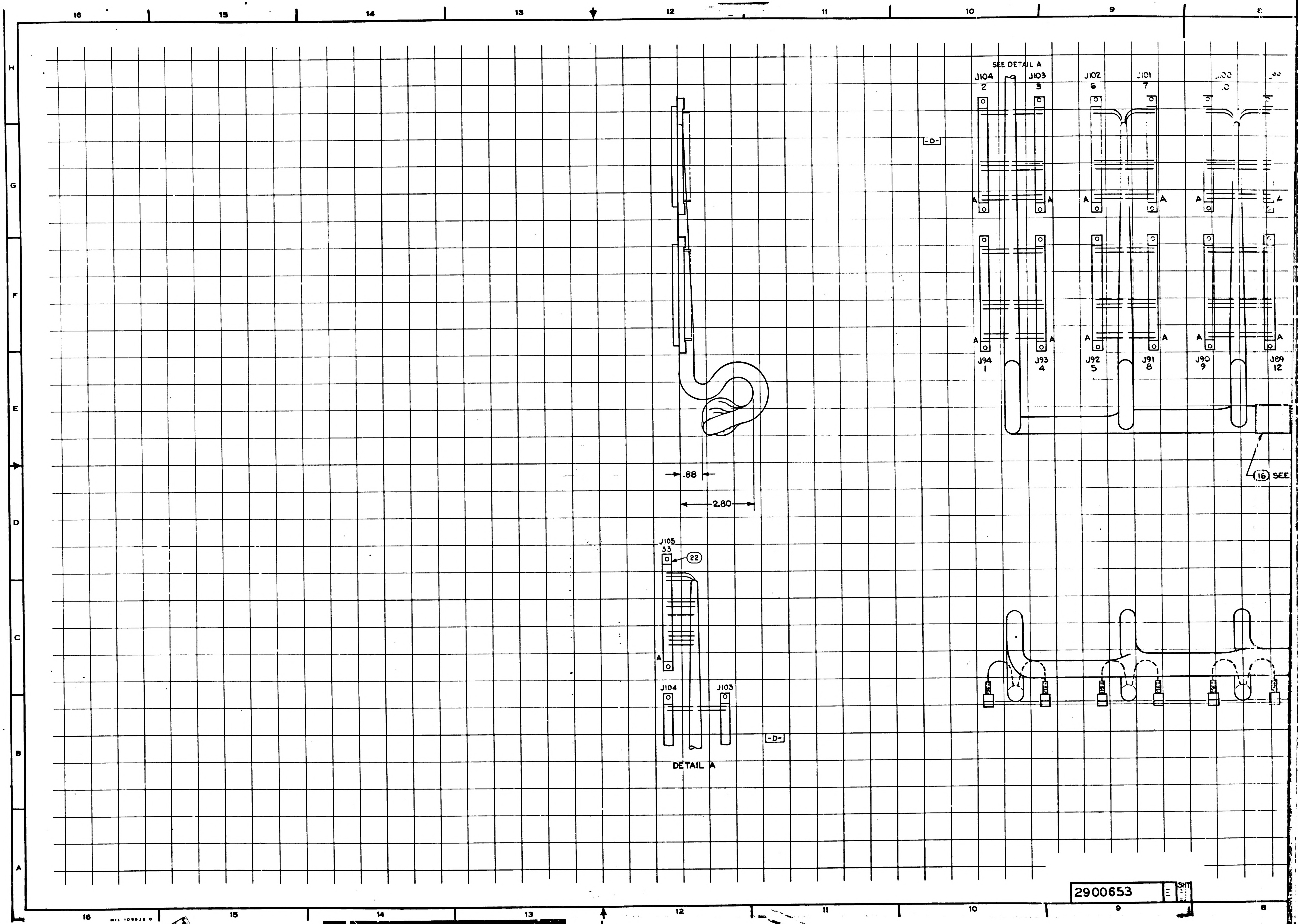
AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 29 JUL 65
CHECKED [illegible] 5 AUG 65
APPROVAL [illegible] 5 AUG 65
APPROVAL [illegible] 10 22 65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO	SIZE	
99974	J2	2900653
SCALE FULL		SHEET 26 OF 26

2900653 SHT



16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A
-D-
SEE DETAIL A
J104
2
J103
3
J102
6
J101
7
J94
1
J93
4
J92
5
J91
8
J90
9
J89
12
A
16 SEE
.88
2.80
J105
33
22
J104
J103
DETAIL A
-D-

2900653 SHT

1/2900653

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206399	27OCT 65	LGC W.R.
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.R.

REV																			
SHEET																			
REV STATUS	REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Charlie Stone 24 SEPT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN E. Moeller 23AUG65 DATE
CHECKED Fesler 24SEP65
APPROVAL B. [illegible] 27 SEPT 65
APPROVAL [illegible] 9/29/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE A
2900654
REV B
SCALE —
SHEET 1 OF 18

WIRING HARNESS A 2900654 A B

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
6	APPLY LEAD IDENTIFICATIONS PER 1002019.
7	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.
8	LACE HARNESS USING ITEM 18.
9	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 2 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 A B

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 3 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 A B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900654-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 268 FT TOTAL LENGTH
	2	1	2900654-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 16 AWG, WHITE, 19 FT TOTAL LENGTH
7	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
7	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
7	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
4	6	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE
4	7	2	1015902- 46	TERMINAL-LUG, CRIMP STYLE
4	8	41	1015864-135	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	9	19	1015864-137	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	10	12	1015864-139	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	11	26	1015864-140	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	12	3	1015864-162	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	13	1	1015864-163	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	14	1	1015864-226	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	15	2	1015864-227	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	16	1	1016128-011	BAND-IDENTIFICATION,BLANK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 4 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	2900654-003	ZIPPER TUBING PER ND1002155 TYPE I, BLACK, .750 DIA, 7 INCH TOTAL LENGTH.
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED, BLACK (ES2732 NO. 18)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 5 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 1	1		XDS1-A	41				.30	YES		10	
			TB3-39	18				.30	YES			C
A 2	1		XDS1-C	41				.30	YES		10	
			TB3-44	19				.30	YES			C
A 3	1		XDS1-G	41				.30	YES		10	
			TB1-20	57				.30	YES			A,D
A 4	1		XDS3-A	31				.30	YES		10	
			TB3-9	10				.30	YES			C
A 5	1		XDS3-G	31				.30	YES		10	
			TB2-34	82				.30	YES			C,B
A 6	1		E20	39				.30	YES			
			TB3-7	10				.30	YES			C
A 7	1		XDS5-A	40				.30	YES		10	
			TB1-54	61				.30	YES			A,D
A 8	1		XDS5-G	40				.30	YES		10	
			K14-3	14				.30	YES		11	C
A 9	1		XDS6-A	30				.30	YES		10	
			K3-8	67				.30	YES		11	C,B
A 10	1		XDS6-G	30				.30	YES		10	
			TB2-35	82				.30	YES			C,B
A 11	1		S1A-19	32				.30	YES			
			BT1-(+)	47				.30	YES		6	
A 12	1		S1A-21	32				.30	YES			
			TB3-17	12				.30	YES			C

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 6 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 13	1		S1B-4	32				.30	YES			
			TB1-4	55				.30	YES			A,D
A 14	1		S1B-11	32				.30	YES			
			TB2-43	83				.30	YES			C,B
A 15	1		S1B-16	32				.30	YES			
			TB2-48	85				.30	YES			C,B
A 16	1		S1B-18	32				.30	YES			
			TB1-37	58				.30	YES			A,D
A 17	1		S1B-24	32				.30	YES			
			TB1-40	60				.30	YES			A,D
A 18	1		S2-NC	29				.30	YES			
			K17-15	11				.30	YES		8	C
A 19	1		S2-NO	29				.30	YES			
			TB2-49	86				.30	YES			C,B
A 20	1		S3-NO	29				.30	YES			
			TB2-33	80				.30	YES			C,B
A 21	1		S4-NO	29				.30	YES			
			TB2-51	86				.30	YES			C,B
A 22	1		S5-NO	29				.30	YES			
			TB2-58	88				.30	YES			C,B
A 23	1		S6-NO	29				.30	YES			
			TB2-57	89				.30	YES			C,B
A 24	1		S6-C	29				.30	YES			
			TB2-31	79				.30	YES			C,B

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 7 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 25	1		S7SW1-C	40				.30	YES			
			K10-4	14				.30	YES		11	C
A 26	1		S7SW1-NO	40				.30	YES			
			TB3-20	13				.30	YES			C
A 27	1		S7SW2-C	40				.30	YES			
			K11-2	16				.30	YES		11	C
A 28	1		S7SW3-NO	40				.30	YES			
			K13-5	14				.30	YES		11	C
A 29	1		S7SW4-C	40				.30	YES			
			K12-2	16				.30	YES		11	C
A 30	1		S7SW4-NO	40				.30	YES			
			K14-7	14				.30	YES		11	C
A 31	1		M1-(+)	21				.30	YES		11	
			TB1-3	54				.30	YES			A,D
A 32	1		R2-2	22				.30	YES		9	
			TB1-12	56				.30	YES			A,D
A 33	2		XF1-2	26				.30	YES			
			CR1-A	5				.30	YES		9	C
A 34	2		XF2-2	28				.30	YES			
			T1-3	1				.30	YES		12	C
A 35	2		XF3-2	27				.30	YES			
			T1-1	1				.30	YES		12	C
A 36	2		XF4-1	25				.30	YES			
			TB3-3	10				.30	YES			C

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 8 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 37	1		XF4-2 TB1-25	25 58				.30 .30	YES YES			A,D
A 38	1		E29 E19	33 5				.30 .30	YES YES			C
A 39	1		J1-C K12-4	44 16				.20 .30	NO YES		11	C
A 40	1		E23 K12-6	37 16				.30 .30	YES YES		11	C
A 41	1		E24 K15-7	36 14				.30 .30	YES YES		11	C
A 42	1		E25 K15-4	35 14				.30 .30	YES YES		11	C
A 43	2		E27 E2	34 8				.30 .30	YES YES			C
A 44	1		J3-C K12-7	43 16				.20 .30	NO YES		11	C
A 45	1		J3-F K15-6	43 14				.20 .30	NO YES		11	C
A 46	1		J4-B TB1-18	42 56				.20 .30	NO YES			A,D
A 47	1		J4-P TB2-46	42 84				.20 .30	NO YES			C,B
A 48	1		J4-S K17-7	42 11				.20 .30	NO YES		8	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★B
SHEET 9 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 49	1		J4-K TB2-14	42 77				.20 .30	NO YES			C,B
A 50	1		J4-C K17-9	42 11				.20 .30	NO YES		8	C
A 51	1		J4-G K17-16	42 11				.20 .30	NO YES		8	C
A 52	1		J4-T K17-19	42 11				.20 .30	NO YES		8	C
A 53	1		J1-B K2-4	44 9				.20 .30	NO YES		11	C
A 54	1		J2-G K1-8	45 4				.20 .30	NO YES		8	C
A 55	1		TP1 TB1-48	46 60				.30 .30	YES YES			A,D
A 56	1		R27-1 AR2-2	24 52				.30 .30	YES YES		9 8	D
A 57	1		R27-2 TB1-2	24 54				.30 .30	YES YES		9	A,D
A 58	1		R28-2 AR3-6	23 51				.30 .30	YES YES		9 8	D
A 59	1		R28-1 TB1-5	23 55				.30 .30	YES YES		9	A,D
A 60	1		R38-2 K17-13	20 11				.30 .30	YES YES		9 8	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★B
SHEET 10 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 61	1		R38-1 TB2-5	20 74				.30 .30	YES YES		9	C,B
A 62	1		K3-6 TB1-60	67 63				.30 .30	YES YES		11	A
A 63	1		DS2-2 K17-1	64 11				.30 .30	YES YES		8	C,B
A 64	1		E11 TB1-49	71 60				.30 .30	YES YES			A
A 65	2		Q7-3 TB3-2	8 10				.30 .30	YES YES		13	C
A 66	1		Q7-2 TB1-55	65 62				.30 .30	YES YES		14	A
A 67	2		R51-1 K6-8	7 9				.30 .30	YES YES		12 11	C
A 68	1		E13 TB2-1	72 75				.30 .30	YES YES			B
A 69	1		E14 TB1-47	73 60				.30 .30	YES YES			A
A 70	1		E18 TB2-26	67 81				.30 .30	YES YES			B
A 71	1		E9 TB2-22	70 81				.30 .30	YES YES			B
A 72	1		E10 TB1-56	71 62				.30 .30	YES YES			A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★B
SHEET 11 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 73	1		K3-7 TB1-45	67 61				.30 .30	YES YES		11	A
A 74	1		K3-3 TB1-43	67 60				.30 .30	YES YES		11	A
A 75	1		E6 R18-2	2 15				.30 .30	YES YES		9	C
A 76	1		E8 TB1-52	69 61				.30 .30	YES YES			A
A 77	1		DS2-1 TB1-19	64 56				.30 .30	YES YES		10	A
A 78	1		DS2-3 TB1-36	64 59				.30 .30	YES YES		10	A
A 79	1		E1 TB3-24	8 12				.30 .30	YES YES			C
A 80	1		CR4-2 TB2-30	65 79				.30 .30	YES YES		15	B
A 81	1		CR4-4 K12-3	4 16				.30 .30	YES YES		15 11	C
A 82	1		BT8-(-) TB3-47	48 19				.20 .30	NO YES		6	C
A 83	1		DS4-1 TB1-53	49 61				.20 .30	NO YES		7	A,D
A 84	1		DS4-3 K11-7	49 16				.20 .30	NO YES		7 11	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★B
SHEET 12 OF 18

MIL 2084 4-63

WIRING HARNESS A

2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 85	1		E17	66				.30	YES			
			TB3-9	10				.30	YES			B,C
A 86	1		TB1-60	63				.30	YES			
			TB3-16	12				.30	YES			C,B,A
A 87	1		TB2-31	79				.30	YES			
			AR3-4	51				.30	YES		8	B,A,D
A 88	1		TB2-32	80				.30	YES			
			AR2-4	52				.30	YES		8	B,A,D
A 89	1		TB2-54	87				.30	YES			
			K11-8	16				.30	YES		11	C,B
A 90	1		TB1-35	58				.30	YES			
			K14-4	14				.30	YES		11	C,B,A
A 91	1		TB1-29	58				.30	YES			
			AR1-1	53				.30	YES		8	A,D
A 92	1		TB2-46	84				.30	YES			
			AR4-4	50				.30	YES		8	B,C,D
A 93	1		TB2-12	76				.30	YES			
			K17-6	11				.30	YES		8	C,B
A 94	1		TB2-50	86				.30	YES			
			K17-18	11				.30	YES		8	C,B
A 95	1		TB1-11	56				.30	YES			
			AR2-6	52				.30	YES		8	A,D
A 96	1		TB1-14	57				.30	YES			
			AR3-2	51				.30	YES		8	A,D

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654	
SCALE - NONE	REV LTR	B	SHEET 13 OF 18

MIL 2084 4-63

WIRING HARNESS A

2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 97	1		AR4-3	50				.30	YES		8	
			R33-2	15				.30	YES		9	C,D
A 98	1		TB2-21	81				.30	YES			
			R50-2	15				.30	YES		9	C,B
A 99	1		TB1-24	56				.30	YES			
			R50-1	15				.30	YES		9	A,B,C
A 100	1		TB2-16	78				.30	YES			
			AR4-8	50				.30	YES		8	B,A,D
A 101	1		TB1-24	56				.30	YES			
			TB2-27	81				.30	YES			B,A
A 102	1		TB2-22	81				.30	YES			
			R33-2	15				.30	YES			C,B
A 103	1		TB2-56	89				.30	YES			
			R33-1	15				.30	YES		9	C,B
A 104	1		TB2-38	83				.30	YES			
			K5-7	9				.30	YES		11	C,B
A 105	1		TB2-42	82				.30	YES			
			R35-2	15				.30	YES		9	C,B
A 106	1		TB2-47	85				.30	YES			
			R35-1	15				.30	YES		9	C,B
A 107	1		TB2-44	84				.30	YES			
			K17-12	11				.30	YES		8	C,B
A 108	1		TB2-44	84				.30	YES			
			AR4-1	50				.30	YES		8	B,C,D

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654	
SCALE - NONE	REV LTR	B	SHEET 14 OF 18

MIL 2084 4-63

WIRING HARNESS A

2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 109	1		TB2-24	81				.30	YES			
			AR4-2	50				.30	YES		8	B,C,D
A 110	1		TB1-23	56				.30	YES			
			AR4-7	50				.30	YES		8	A,D
A 111	1		TB1-23	56				.30	YES			
			AR1-7	53				.30	YES		8	A,D
A 112	1		TB1-23	56				.30	YES			
			AR2-7	52				.30	YES		8	A,D
A 113	1		TB1-17	56				.30	YES			
			AR3-7	51				.30	YES		8	A,D
A 114	1		TB2-45	84				.30	YES			
			R19-2	15				.30	YES		9	C,B
A 115	1		TB2-39	83				.30	YES			
			R19-1	15				.30	YES		9	C,B
A 116	1		TB1-13	57				.30	YES			
			AR1-4	53				.30	YES		8	A,D
A 117	1		TB1-1	54				.30	YES			
			AR1-2	53				.30	YES		8	A,D
A 118	1		TB1-10	56				.30	YES			
			AR1-6	53				.30	YES			A,D
A 119	1		TB1-51	61				.30	YES			
			AR1-8	53				.30	YES		8	A,D
A 120	1		TB1-44	61				.30	YES			
			AR1-3	53				.30	YES		8	A,D

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654	
SCALE - NONE	REV LTR	B	SHEET 15 OF 18

MIL 2084 4-63

WIRING HARNESS A

2900654

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 121	1		TB2-52	87				.30	YES			
			R18-1	15				.30	YES		9	C,B
A 122	1		TB2-37	82				.30	YES			
			K2-7	9				.30	YES		11	C,B
A 123	1		TB3-41	18				.30	YES			
			AR2-3	52				.30	YES		8	C,D
A 124	1		TB3-42	19				.30	YES			
			AR3-3	51				.30	YES		8	C,D
A 125	1		TB3-40	18				.30	YES			
			AR3-8	51				.30	YES		8	C,D
A 126	1		TB3-43	19				.30	YES			
			AR2-8	52				.30	YES		8	C,D
A 127	1		TB3-45	19				.30	YES			
			AR3-5	51				.30	YES		8	C,D
A 128	1		TB3-46	18				.30	YES			
			AR2-5	52				.30	YES		8	C,D
A 129	1		TB2-13	77				.30	YES			
			AR2-1	52				.30	YES		8	B,A,D
A 130	1		TB2-13	77				.30	YES			
			AR3-1	51				.30	YES		8	B,A,D
A 131	1		TB1-46	61				.30	YES			
			TB3-35	17				.30	YES			C,B,A
A 132	1		TB1-33	58				.30	YES			
			TB3-30	17				.30	YES			C,B,A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654	
SCALE - NONE	REV LTR	B	SHEET 16 OF 18

MIL 2084 4-63

WIRING HARNESS A

2900654 ★

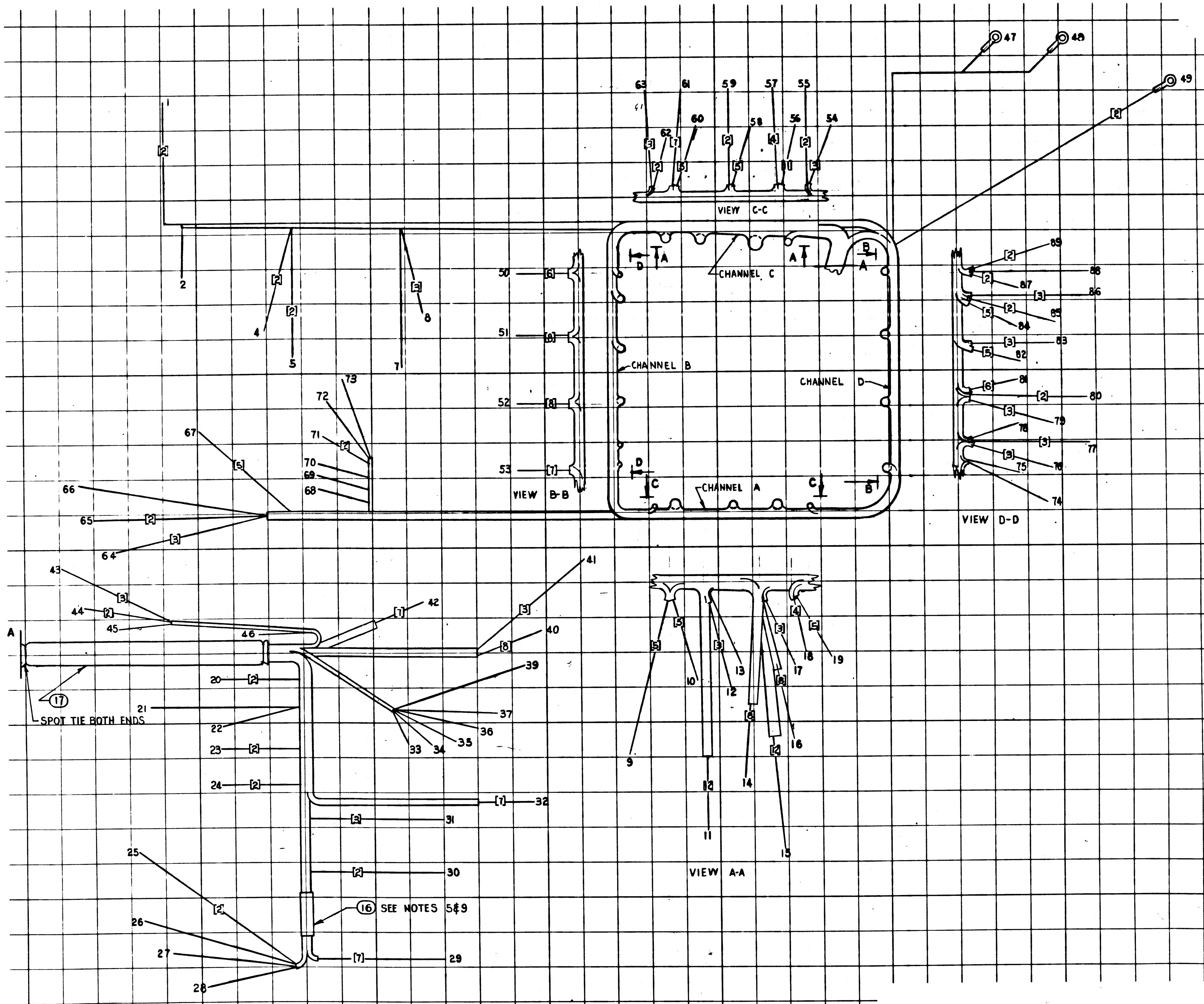
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 133	1		TB2-36 K17-2	82 11				.30 .30	YES YES		8	C,B
A 134	1		TB1-8 TB3-36	57 17				.30 .30	YES YES			C,B,A
A 135	1		TB2-18 R16-2	76 15				.30 .30	YES YES		9	C,B
A 136	1		TB2-19 K4-4	76 9				.30 .30	YES YES		11	C,B
A 137	1		TB1-58 E7	63 68				.30 .30	YES YES			A
A 138	1		XDS3-C TB1-30	31 59				.30 .30	YES YES		10	A,D
A 139	1		J3-8 K17-4	43 11				.20 .30	NO YES		8	C

MIL 2064 4-63

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654
SCALE - NONE	REV LTR ★B	SHEET 17 OF 18

REVISIONS 2042				
SYM	ZONE	DESCRIPTION	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD		

CHG NO



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VIEW A-A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + + + − − −	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN R.W. T. DATE 9 SEP 65	WIRING HARNESS A
	CHECKED 27 SEP 65	
	APPROVAL	
DO NOT SCALE THIS DRAWING	APPROVAL 10/6	
MATERIAL	NASA APPROVAL A. C. METZGER	CODE IDENT NO. 99974 · SIZE E · 2900654
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL · SHEET 8 OF 8

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900060-011	2900060-011	A	REVISED PER MXC 206399	27 OCT 65	LGC W.R.
		B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.R.
		C	REVISED PER TDRR	27 JAN 66	RLP MEM

Charlestown
24 SEPT 65

REV																			
SHEET																			
REV STATUS REV	C	B	B	B	B	B	B	C	C	B	B	B	C	C	B	B	C	C	
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Moller DATE 23 AUG 65
CHECKED Fesler 24 SEP 65
APPROVAL B. Schlaefer 27 SEPT 65
APPROVAL L Gediman 10/20/65

WIRING HARNESS A

NASA APPROVAL A. C. METZGER
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900654	C

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 18

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

4 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

5 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

6 APPLY LEAD IDENTIFICATIONS PER 1002019.

7 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.

8 LACE HARNESS USING ITEM 18.

9 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 2 OF 18

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 3 OF 18

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900654-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 268 FT TOTAL LENGTH
	2	1	2900654-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 16 AWG, WHITE, 19 FT TOTAL LENGTH
7	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
7	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
7	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
4	6	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE
4	7	2	1015902- 46	TERMINAL-LUG, CRIMP STYLE
4	8	41	1015864-135	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	9	19	1015864-137	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	10	12	1015864-139	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	11	26	1015864-140	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	12	3	1015864-162	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	13	1	1015864-163	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	14	1	1015864-226	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	15	2	1015864-227	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	16	1	1016128-011	BAND-IDENTIFICATION,BLANK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 4 OF 18

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	2900654-003	ZIPPER TUBING PER ND1002155 TYPE I,BLACK, .750 DIA, 7 INCH TOTAL LENGTH.
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED, BLACK (ES2732 NO. 18)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 5 OF 18

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 1	1		XDS1-A	41				.30	YES		10	
			TB3-39	18				.30	YES			C
A 2	1		XDS1-C	41				.30	YES		10	
			TB3-44	19				.30	YES			C
A 3	1		XDS1-G	41				.30	YES		10	
			TB1-20	57				.30	YES			A,D
A 4	1		XDS3-A	31				.30	YES		10	
			TB3-9	10				.30	YES			C
A 5	1		XDS3-G	31				.30	YES		10	
			TB2-34	82				.30	YES			C,B
A 6	1		E20	39				.30	YES			
			TB3-7	10				.30	YES			C
A 7	1		XDS5-A	40				.30	YES		10	
			TB1-54	61				.30	YES			A,D
A 8	1		XDS5-G	40				.30	YES		10	
			K14-3	14				.30	YES		11	C
A 9	1		XDS6-A	30				.30	YES		10	
			K3-8	67				.30	YES		11	C,B
A 10	1		XDS6-G	30				.30	YES		10	
			TB2-35	82				.30	YES			C,B
A 11	1		S1A-19	32				.30	YES			
			BT1-(+)	47				.30	YES		6	
A 12	1		S1A-21	32				.30	YES			
			TB3-17	12				.30	YES			C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ~~A~~ B
SHEET 6 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 13	1		S1B-4	32				.30	YES			
			TB1-4	55				.30	YES			A,D
A 14	1		S1B-11	32				.30	YES			
			TB2-43	83				.30	YES			C,B
A 15	1		S1B-16	32				.30	YES			
			TB2-48	85				.30	YES			C,B
A 16	1		S1B-18	32				.30	YES			
			TB1-37	58				.30	YES			A,D
A 17	1		S1B-24	32				.30	YES			
			TB1-40	60				.30	YES			A,D
A 18	1		S2-NC	29				.30	YES			
			K17-15	11				.30	YES		8	C
A 19	1		S2-NO	29				.30	YES			
			TB2-49	86				.30	YES			C,B
A 20	1		S3-NO	29				.30	YES			
			TB2-33	80				.30	YES			C,B
A 21	1		S4-NO	29				.30	YES			
			TB2-51	86				.30	YES			C,B
A 22	1		S5-NO	29				.30	YES			
			TB2-58	88				.30	YES			C,B
A 23	1		S6-NO	29				.30	YES			
			TB2-57	89				.30	YES			C,B
A 24	1		S6-C	29				.30	YES			
			TB2-31	79				.30	YES			C,B

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ~~A~~ B
SHEET 7 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 25	1		S7SW1-C	40				.30	YES			
			K10-4	14				.30	YES		11	C
A 26	1		S7SW1-NO	40				.30	YES			
			TB3-20	13				.30	YES			C
A 27	1		S7SW2-C	40				.30	YES			
			K11-2	16				.30	YES		11	C
A 28	1		S7SW3-NO	40				.30	YES			
			K13-5	14				.30	YES		11	C
A 29	1		S7SW4-C	40				.30	YES			
			K12-2	16				.30	YES		11	C
A 30	1		S7SW4-NO	40				.30	YES			
			K14-7	14				.30	YES		11	C
A 31	1		M1-(-)	21				.30	YES		11	
			TB1-3	54				.30	YES			A,D
A 32	1		R2-2	22				.30	YES		9	
			TB1-12	56				.30	YES			A,D
A 33	2		XF1-2	26				.30	YES			
			CR1-A	5				.30	YES		9	C
A 34	2		XF2-2	28				.30	YES			
			T1-4	1				.30	YES		12	C
A 35	2		XF3-2	27				.30	YES			
			T1-1	1				.30	YES		12	C
A 36	2		XF4-1	25				.30	YES			
			TB3-3	10				.30	YES			C

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 8 OF 18

MIL 2084 9-65

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 37	1		XF4-2	25				.30	YES			
			TB1-25	58				.30	YES			A,D
A 38	1		E29	33				.30	YES			
			E19	5				.30	YES			C
A 39	1		J1-C	44				.20	NO			
			K12-4	16				.30	YES		11	C
A 40	1		E23	37				.30	YES			
			K12-6	16				.30	YES		11	C
A 41	1		E24	36				.30	YES			
			K15-7	14				.30	YES		11	C
A 42	1		E25	35				.30	YES			
			K15-4	14				.30	YES		11	C
A 43	2		E27	34				.30	YES			
			E2	8				.30	YES			C
A 44	1		J3-C	43				.20	NO			
			K12-7	16				.30	YES		11	C
A 45	1		J3-F	43				.20	NO			
			K15-6	14				.30	YES		11	C
A 46	1		J4-B	42				.20	NO			
			TB1-18	56				.30	YES			A,D
A 47	1		J4-P	42				.20	NO			
			TB2-12	76				.30	YES			C,B
A 48	1		J4-S	42				.20	NO			
			K17-7	11				.30	YES		8	C

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 9 OF 18

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 97	1		AR4-3	50				.30	YES		8	
			R33-2	15				.30	YES		9	C,D
A 98	1		TB2-21	81				.30	YES			
			R50-2	15				.30	YES		9	C,B
A 99	1		TB1-24	56				.30	YES			
			R50-1	15				.30	YES		9	A,B,C
A 100	1		TB2-16	78				.30	YES			
			AR4-8	50				.30	YES		8	B,A,D
A 101	1		TB1-24	56				.30	YES			
			TB2-27	81				.30	YES			B,A
A 102	1		TB2-22	81				.30	YES			
			R33-2	15				.30	YES			C,B
A 103	1		TB2-56	89				.30	YES			
			R33-1	15				.30	YES		9	C,B
A 104	1		TB2-38	83				.30	YES			
			K5-7	9				.30	YES		11	C,B
A 105	1		TB2-42	82				.30	YES			
			R35-2	15				.30	YES		9	C,B
A 106	1		TB2-47	85				.30	YES			
			R35-1	15				.30	YES		9	C,B
A 107	1		TB2-44	84				.30	YES			
			K17-12	11				.30	YES		8	C,B
A 108	1		TB2-44	84				.30	YES			
			AR4-4	50				.30	YES		8	B,C,D

SIZE	CODE IDENT NO.	
A	99974	2900654
SCALE-NONE	REV LTR C	SHEET 14 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 109	1		TB2-24	81				.30	YES			
			AR4-2	50				.30	YES		8	B,C,D
A 110	1		TB1-23	56				.30	YES			
			AR4-7	50				.30	YES		8	A,D
A 111	1		TB1-23	56				.30	YES			
			AR1-7	53				.30	YES		8	A,D
A 112	1		TB1-23	56				.30	YES			
			AR2-7	52				.30	YES		8	A,D
A 113	1		TB1-17	56				.30	YES			
			AR3-7	51				.30	YES		8	A,D
A 114	1		TB2-45	84				.30	YES			
			R19-2	15				.30	YES		9	C,B
A 115	1		TB2-39	83				.30	YES			
			R19-1	15				.30	YES		9	C,B
A 116	1		TB1-13	57				.30	YES			
			AR1-4	53				.30	YES		8	A,D
A 117	1		TB1-1	54				.30	YES			
			AR1-2	53				.30	YES		8	A,D
A 118	1		TB1-10	56				.30	YES			
			AR1-6	53				.30	YES		8	A,D
A 119	1		TB1-51	61				.30	YES			
			AR1-8	53				.30	YES		8	A,D
A 120	1		TB1-44	61				.30	YES			
			AR1-3	53				.30	YES		8	A,D

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900654
SCALE-NONE	REV LTR ~~A~~ B	SHEET 15 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 121	1		TB2-52	87				.30	YES			
			R18-1	15				.30	YES		9	C,B
A 122	1		TB2-37	82				.30	YES			
			K2-7	9				.30	YES		11	C,B
A 123	1		TB3-41	18				.30	YES			
			AR2-3	52				.30	YES		8	C,D
A 124	1		TB3-42	19				.30	YES			
			AR3-3	51				.30	YES		8	C,D
A 125	1		TB3-40	18				.30	YES			
			AR3-8	51				.30	YES		8	C,D
A 126	1		TB3-43	19				.30	YES			
			AR2-8	52				.30	YES		8	C,D
A 127	1		TB3-45	19				.30	YES			
			AR3-5	51				.30	YES		8	C,D
A 128	1		TB3-46	18				.30	YES			
			AR2-5	52				.30	YES		8	C,D
A 129	1		TB2-13	77				.30	YES			
			AR2-1	52				.30	YES		8	B,A,D
A 130	1		TB2-13	77				.30	YES			
			AR3-1	51				.30	YES		8	B,A,D
A 131	1		TB1-46	61				.30	YES			
			TB3-35	17				.30	YES			C,B,A
A 132	1		TB1-33	58				.30	YES			
			TB3-30	17				.30	YES			C,B,A

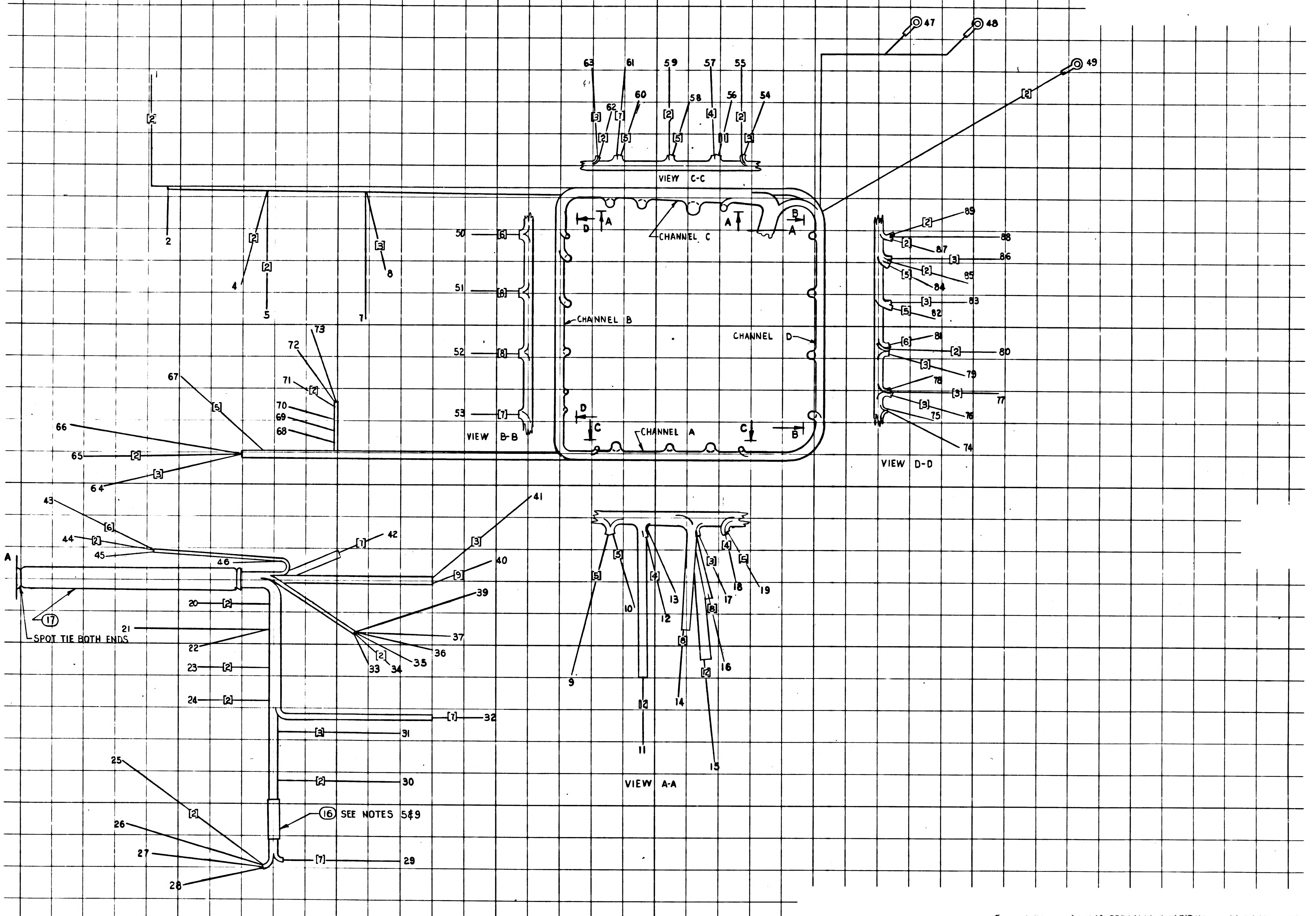
MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE	
	A	2900654
SCALE-NONE	REV LTR ~~A~~ B	SHEET 16 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 133	1		TB2-36	82				.30	YES			
			K17-2	11				.30	YES		8	C,B
A 134	1		TB1-8	57				.30	YES			
			TB3-36	17				.30	YES			C,B,A
A 135	1		TB2-18	76				.30	YES			
			R16-2	15				.30	YES		9	C,B
A 136	1		TB2-19	76				.30	YES			
			K4-4	9				.30	YES		11	C,B
A 137	1		TB1-58	63				.30	YES			
			E7	68				.30	YES			A
A 138	1		XDS3-C	31				.30	YES		10	
			TB1-30	59				.30	YES			A,D
A 139	1		J3-B	43				.20	NO			
			K17-4	11				.30	YES		8	C
A 140	1		J3-E	43				.20	NO			
			S7SW1-NO	40				.30	YES			
A 141	1		J3-D	43				.20	NO			
			TB3-22	12				.30	YES			
A 142	1		J3-J	43				.20	NO			
			E-27	34				.30	YES			

SIZE	CODE IDENT NO.	
A	99974	2900654
SCALE-NONE	REV LTR C	SHEET 17 OF 18

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			

REVISIONS 2042



VIEW C-C
63 61 59 57 55 60 62 58 56 54
[5] [1] [2] [4] [2] [2] [5] [5] [1] [3]
47 48 49 [2]
1 [2] 2 4 [2] [2] 5 7 [3] 8
VIEW B-B
50 [6] 51 [8] 52 [8] 53 [7]
CHANNEL A
CHANNEL B
CHANNEL C
CHANNEL D
A B C D
VIEW D-D
89 [2] 88 87 [2] 86 [3] 85 [5] 84 [2] 83 [3] 82 [5] 81 [6] 80 [2] 79 [3] 78 77 [3] 76 [3] 75 74
67 [5] 66 65 [2] 64 [3]
73 72 71 [2] 70 69 68
43 [6] 44 [2] 45 46
42 [1] 41 [3] 40 [9] 39 37 36 35 34 33 [2]
A
(17) SPOT TIE BOTH ENDS
20 [2] 21 22 23 [2] 24 [2]
[1] 32 [3] 31 [2] 30 (16) SEE NOTES 5&9
25 [2] 26 27 28 [7] 29
VIEW A-A
9 [5] [5] 10 [4] 13 12 [12] 11 [8] 14 [3] 17 [4] 18 [5] 19 [8] 16 [12] 15

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R W T DATE 9 SEP 65
CHECKED Feslon 27SEP65
APPROVAL
APPROVAL

NASA APPROVAL

MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900654

SCALE FULL
SHEET 8 OF 8

2900654 C

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206399	27 OCT 65	LGC W.D.
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.F.
C	REVISED PER TDRR 25407	27 JAN 66	RLP MEM
D	REVISED PER TDRR 26968	15 MAR 66	RLP CTP

REV STATUS OF SHEETS																			
REV	D	B	B	D	B	B	B	C	D	D	D	B	C	C	B	B	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Miller DATE 23 AUG 65
CHECKED [illegible]
APPROVAL [illegible]
APPROVAL C. Gilman 10/20/65

WIRING HARNESS A

NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

CODE IDENT NO.	SIZE		REV
99974	A	2900654	D

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 18

WIRING HARNESS A 2900654

NOTE GENERAL NOTES

NUMBER	CESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANCARDS PRESCRIBED BY MIL-D-70327.
3	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
6	APPLY LEAD IDENTIFICATIONS PER 1002019.
7	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.
8	LACE HARNESS USING ITEM 18.
9	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE - NONE | REV LTR B | SHEET 2 OF 12

MIL 2084 4 63

WIRING HARNESS A 2900654

NOTE GENERAL NOTES

NUMBER CESCRIPTION

LEAD TOLFRANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT ANC OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE - NONE | REV LTR F | SHEET 3 OF 1

MIL 2084 4 63

WIRING HARNESS A 2900654

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900654-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 268 FT TOTAL LENGTH
	2	1	2900654-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 16 AWG, WHITE, 19 FT TOTAL LENGTH
7	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
7	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
7	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
4	6	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE
4	7	2	1015902- 46	TERMINAL-LUG, CRIMP STYLE
4	8	41	1015864-135	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	9	19	1015864-137	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	10	12	1015864-139	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	11	26	1015864-140	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	12	3	1015864-162	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	13	1	1015864-163	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	14	2	1015864-226	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	15	2	1015864-227	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	16	1	1016128-011	BAND-IDENTIFICATION,BLANK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE - NONE | REV LTR D | SHEET 4 OF 1

MIL 2084 4 63

WIRING HARNESS A 2900654

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	2900654-003	ZIPPER TUBING PER ND1002155 TYPE I,BLACK, .750 DIA, 7 INCH TOTAL LENGTH.
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED, BLACK (ES2732 NO. 18)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE - NONE | REV LTR F | SHEET 5 OF 12

MIL 2084 4 63

WIRING HARNESS A 2900654 ~~A~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 1	1		XDS1-A TB3-39	41 18				.30 .30	YES YES		10	C
A 2	1		XDS1-C TB3-44	41 19				.30 .30	YES YES		10	C
A 3	1		XDS1-G TB1-20	41 57				.30 .30	YES YES		10	A,D
A 4	1		XDS3-A TB3-9	31 10				.30 .30	YES YES		10	C
A 5	1		XDS3-G TB2-34	31 82				.30 .30	YES YES		10	C,B
A 6	1		E20 TB3-7	39 10				.30 .30	YES YES			C
A 7	1		XDS5-A TB1-54	40 61				.30 .30	YES YES		10	A,D
A 8	1		XDS5-G K14-3	40 14				.30 .30	YES YES		10 11	C
A 9	1		XDS6-A K5-8	30 67				.30 .30	YES YES		10 11	C,B
A 10	1		XDS6-G TB2-35	30 82				.30 .30	YES YES		10	C,B
A 11	1		S1A-19 BT1-(+)	32 47				.30 .30	YES YES		6	
A 12	1		S1A-21 TB3-17	32 12				.30 .30	YES YES			C

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR ~~A~~ F | SHEET 6 OF 18

MIL 2084 4 63

WIRING HARNESS A 2900654 ~~A~~ F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 13	1		S1B-4 TB1-4	32 55				.30 .30	YES YES			A,D
A 14	1		S1B-11 TB2-43	32 83				.30 .30	YES YES			C,B
A 15	1		S1B-16 TB2-48	32 85				.30 .30	YES YES			C,B
A 16	1		S1B-18 TB1-37	32 58				.30 .30	YES YES			A,D
A 17	1		S1B-24 TB1-40	32 60				.30 .30	YES YES			A,D
A 18	1		S2-NC K17-15	29 11				.30 .30	YES YES		8	C
A 19	1		S2-NO TB2-49	29 86				.30 .30	YES YES			C,B
A 20	1		S3-NO TB2-33	29 80				.30 .30	YES YES			C,B
A 21	1		S4-NO TB2-51	29 86				.30 .30	YES YES			C,B
A 22	1		S5-NO TB2-58	29 88				.30 .30	YES YES			C,B
A 23	1		S5-NO TB2-57	29 89				.30 .30	YES YES			C,B
A 24	1		S6-C TB2-31	29 79				.30 .30	YES YES			C,B

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR ~~A~~ F | SHEET 7 OF 18

MIL 2084 4 63

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 25	1		S7SW1-C K10-4	40 14				.30 .30	YES YES		11	C
A 26	1		S7SW1-NO TB3-20	40 13				.30 .30	YES YES			C
A 27	1		S7SW2-C K11-2	40 16				.30 .30	YES YES		11	C
A 28	1		S7SW3-NO K13-5	40 14				.30 .30	YES YES		11	C
A 29	1		S7SW4-C K12-2	40 16				.30 .30	YES YES		11	C
A 30	1		S7SW4-NO K14-7	40 14				.30 .30	YES YES		11	C
A 31	1		M1-(-) TB1-3	21 54				.30 .30	YES YES		11	A,D
A 32	1		R2-2 TB1-12	22 56				.30 .30	YES YES		9	A,D
A 33	2		XF1-2 CR1-A	26 5				.30 .30	YES YES		9	C
A 34	2		XF2-2 T1-4	28 1				.30 .30	YES YES		12	C
A 35	2		XF3-2 T1-1	27 1				.30 .30	YES YES		12	C
A 36	2		XF4-1 TB3-3	25 10				.30 .30	YES YES			C

SIZE A | CODE IDENT NO. 99974 | 2900654
SCALE-NONE | REV LTR C | SHEET 8 OF 18

WIRING HARNESS A 2900654 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 37	1		XF4-2 TB1-25	25 58				.30 .30	YES YES			A,D
A 38	1		E29 E19	33 5				.30 .30	YES YES			C
A 39	1		J1-C K12-4	44 16				.20 .30	NO YES		11	C
A 40	1		E23 K12-6	37 16				.30 .30	YES YES		11	C
A 41	1		E24 K15-7	36 14				.30 .30	YES YES		11	C
A 42	1		E25 K15-4	35 14				.30 .30	YES YES		11	C
A 43	2		E27 E2	34 8				.30 .30	YES YES			C
A 44	1		J3-C K12-7	43B 16				.20 .30	NO YES		11	C
A 45	1		J3-F K15-6	43B 14				.20 .30	NO YES		11	C
A 46	1		J4-B TB1-18	42 56				.20 .30	NO YES			A,D
A 47	1		J4-P TB2-12	42 76				.20 .30	NO YES			C,B
A 48	1		J4-S K17-7	42 11				.20 .30	NO YES		8	C

SIZE A | CODE IDENT NO. 99974 | 2900654
SCALE-NONE | REV LTR ~~C~~ D | SHEET 9 OF 18

WIRING HARNESS A 2900654 ★D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 49	1		J4-K TB2-14	42 77				.20 .30	NO YES			C,B
A 50	1		J4-C K17-9	42 11				.20 .30	NO YES		8	C
A 51	1		J4-G K17-16	42 11				.20 .30	NO YES		8	C
A 52	1		J4-T K17-19	42 11				.20 .30	NO YES		8	C
A 53	1		J1-B K2-4	44 9				.20 .30	NO YES		11	C
A 54	1		J2-G K1-6	45 4				.20 .30	NO YES		8	C
A 55	2		Q7-1 TB1-48	43A 60				.30 .30	YES YES		14	A,D
A 56	1		R27-1 AR2-2	24 52				.30 .30	YES YES		9 8	D
A 57	1		R27-2 TB1-2	24 54				.30 .30	YES YES		9	A,D
A 58	1		R28-2 AR3-6	23 51				.30 .30	YES YES		9 8	D
A 59	1		R28-1 TB1-5	23 55				.30 .30	YES YES		9	A,D
A 60	1		R38-2 K17-13	20 11				.30 .30	YES YES		9 8	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★ D
SHEET 10 OF 18

MIL 2084 4 63

WIRING HARNESS A 2900654 ★D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 61	1		R38-1 TB2-5	20 74				.30 .30	YES YES		9	C,B
A 62	1		K3-6 TB1-60	67 63				.30 .30	YES YES		11	A
A 63	1		DS2-2 K17-1	64 11				.30 .30	YES YES		8	C,B
A 64	2		E11 TB1-49	71 60				.30 .30	YES YES			A
A 65	2		Q7-3 TB3-2	43A 10				.30 .30	YES YES		13	C
A 66	1		Q7-2 TB1-55	43A 62				.30 .30	YES YES		14	A,D
A 67	2		K51-1 K6-8	7 9				.30 .30	YES YES		12 11	C
A 68	1		E13 TB2-1	72 75				.30 .30	YES YES			B
A 69	1		E14 TB1-47	73 60				.30 .30	YES YES			A
A 70	1		E18 TB2-26	67 81				.30 .30	YES YES			B
A 71	1		E9 TB2-22	70 81				.30 .30	YES YES			B
A 72	1		E10 TB1-56	71 62				.30 .30	YES YES			A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★ D
SHEET 11 OF 18

MIL 2084 4 63

WIRING HARNESS A 2900654 B ★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 73	1		K3-7 TB1-45	67 61				.30 .30	YES YES		11	A
A 74	1		K3-3 TB1-43	67 60				.30 .30	YES YES		11	A
A 75	1		E6 R18-2	2 15				.30 .30	YES YES		9	C
A 76	1		E8 TB1-52	69 61				.30 .30	YES YES			A
A 77	1		DS2-1 TB1-19	64 56				.30 .30	YES YES		10	A
A 78	1		DS2-3 TB1-36	64 59				.30 .30	YES YES		10	A
A 79	1		E1 TB3-24	8 12				.30 .30	YES YES			C
A 80	1		CR4-2 TB2-30	65 79				.30 .30	YES YES		15	B
A 81	1		CR4-4 K12-3	4 16				.30 .30	YES YES		15 11	C
A 82	1		BT8-(-) TB3-47	48 19				.20 .30	NO YES		6	C
A 83	1		DS4-1 TB1-53	49 61				.20 .30	NO YES		7	A,D
A 84	1		DS4-3 K11-7	49 16				.20 .30	NO YES		7 11	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE - NONE
REV LTR ★ [illegible]
SHEET 12 OF 18

MIL 2084 4 63

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 85	1		E17 TB3-9	66 10				.30 .30	YES YES			B,C
A 86	1		TB1-60 TB3-16	63 12				.30 .30	YES YES			C,B,A
A 87	1		TB2-31 AR3-4	79 51				.30 .30	YES YES		8	B,A,D
A 88	1		TB2-32 AR2-4	80 52				.30 .30	YES YES		8	B,A,D
A 89	1		TB2-54 K11-8	87 16				.30 .30	YES YES		11	C,B
A 90	1		TB1-35 K14-4	58 14				.30 .30	YES YES		11	C,B,A
A 91	1		TB1-29 AR1-1	58 53				.30 .30	YES YES		8	A,D
A 92	1		TB2-46 AR4-1	84 50				.30 .30	YES YES		8	B,C,D
A 93	1		TB2-46 K17-6	84 11				.30 .30	YES YES		8	C,B
A 94	1		TB2-50 K17-18	86 11				.30 .30	YES YES		8	C,B
A 95	1		TB1-11 AR2-6	56 52				.30 .30	YES YES		8	A,D
A 96	1		TB1-14 AR3-2	57 51				.30 .30	YES YES		8	A,D

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 13 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 97	1		AR4-3 R33-2	50 15				.30 .30	YES YES		8 9	C,D
A 98	1		TB2-21 R50-2	81 15				.30 .30	YES YES		9	C,B
A 99	1		TB1-24 R50-1	56 15				.30 .30	YES YES		9	A,B,C
A 100	1		TB2-16 AR4-8	78 50				.30 .30	YES YES		8	B,A,D
A 101	1		TB1-24 TB2-27	56 81				.30 .30	YES YES			B,A
A 102	1		TB2-22 R33-2	81 15				.30 .30	YES YES			C,B
A 103	1		TB2-56 R33-1	89 15				.30 .30	YES YES		9	C,B
A 104	1		TB2-38 K5-7	83 9				.30 .30	YES YES		11	C,B
A 105	1		TB2-42 R35-2	82 15				.30 .30	YES YES		9	C,B
A 106	1		TB2-47 R35-1	85 15				.30 .30	YES YES		9	C,B
A 107	1		TB2-44 K17-12	84 11				.30 .30	YES YES		8	C,B
A 108	1		TB2-44 AR4-4	84 50				.30 .30	YES YES		8	B,C,D

SIZE A | CODE IDENT NO. 99974 | 2900654
SCALE-NONE | REV LTR C | SHEET 14 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 109	1		TB2-24 AR4-2	81 50				.30 .30	YES YES		8	B,C,D
A 110	1		TB1-23 AR4-7	56 50				.30 .30	YES YES		8	A,D
A 111	1		TB1-23 AR1-7	56 53				.30 .30	YES YES		8	A,D
A 112	1		TB1-23 AR2-7	56 52				.30 .30	YES YES		8	A,D
A 113	1		TB1-17 AR3-7	56 51				.30 .30	YES YES		8	A,D
A 114	1		TB2-45 R19-2	84 15				.30 .30	YES YES		9	C,B
A 115	1		TB2-39 R19-1	83 15				.30 .30	YES YES		9	C,B
A 116	1		TB1-13 AR1-4	57 53				.30 .30	YES YES		8	A,D
A 117	1		TB1-1 AR1-2	54 53				.30 .30	YES YES		8	A,D
A 118	1		TB1-10 AR1-6	56 53				.30 .30	YES YES		8	A,D
A 119	1		TB1-51 AR1-8	61 53				.30 .30	YES YES		8	A,D
A 120	1		TB1-44 AR1-3	61 53				.30 .30	YES YES		8	A,D

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A B | SHEET 15 OF 18

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 121	1		TB2-52 R18-1	87 15				.30 .30	YES YES		9	C,B
A 122	1		TB2-37 K2-7	82 9				.30 .30	YES YES		11	C,B
A 123	1		TB3-41 AR2-3	18 52				.30 .30	YES YES		8	C,D
A 124	1		TB3-42 AR3-3	19 51				.30 .30	YES YES		8	C,D
A 125	1		TB3-40 AR3-8	18 51				.30 .30	YES YES		8	C,D
A 126	1		TB3-43 AR2-8	19 52				.30 .30	YES YES		8	C,D
A 127	1		TB3-45 AR3-5	19 51				.30 .30	YES YES		8	C,D
A 128	1		TB3-46 AR2-5	18 52				.30 .30	YES YES		8	C,D
A 129	1		TB2-13 AR2-1	77 52				.30 .30	YES YES		8	B,A,D
A 130	1		TB2-13 AR3-1	77 51				.30 .30	YES YES		8	B,A,D
A 131	1		TB1-46 TB3-35	61 17				.30 .30	YES YES			C,B,A
A 132	1		TB1-33 TB3-30	58 17				.30 .30	YES YES			C,B,A

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR A F | SHEET 16 OF 1

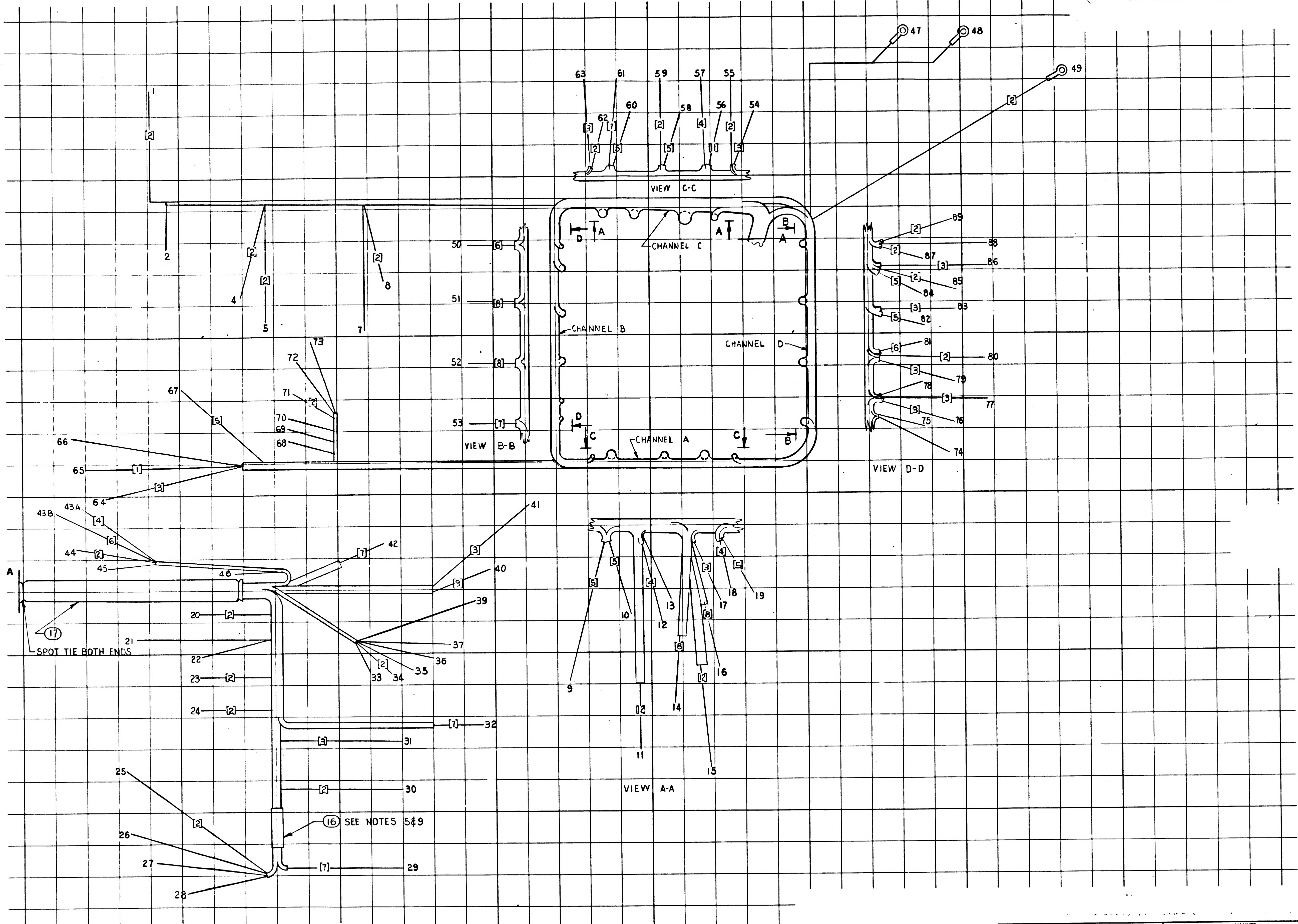
MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 133	1		TB2-36 K17-2	82 11				.30 .30	YES YES		8	C,B
A 134	1		TB1-8 TB3-36	57 17				.30 .30	YES YES			C,B,A
A 135	1		TB2-18 R16-2	76 15				.30 .30	YES YES		9	C,B
A 136	1		TB2-19 K4-4	76 9				.30 .30	YES YES		11	C,B
A 137	1		TB1-58 E7	63 68				.30 .30	YES YES			A
A 138	1		XDS3-C TB1-30	31 59				.30 .30	YES YES		10	A,D
A 139	1		J3-B K17-4	43B 11				.20 .30	NO YES		8	C
A 140	1		J3-E S7SW1-NO	43B 40				.20 .30	NO YES			
A 141	1		J3-D TB3-22	43B 12				.20 .30	NO YES			
A 142	1		J3-J F-27	43B 34				.20 .30	NO YES			
A 143	1		Q7-1 TP1	43A 46				.30 .30	YES YES			

SIZE A | CODE IDENT NO. 99974 | 2900654
SCALE-NONE | REV LTR D | SHEET 17 OF 18

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD		

CHG NO



VIEW C-C
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CHANNEL C
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VIEW D-D
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SEE NOTES 5&9
VIEW A-A
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AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT

ACSP PN

DRAWN [illegible] DATE

CHECKED [illegible] 27 SEP 63

APPROVAL

APPROVAL

NASA APPROVAL

MIT APPROVAL

WIRING HARNESS A

CODE IDENT NO 99974

SIZE -

2900654

SCALE FULL

SHEET 8 OF 16

2900654 D

MX-10989

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206399	27 OCT 65	LGC / W.D.
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.D.
Ⓜ C	REVISED PER TDRR 25407	27 JAN 66	RLP / MEM
D	REVISED PER TDRR 26968	15 MAR 66	RLP / CJP
E	REVISED PER TDRR 26977	17 MAR 66	R.W.T. / JDS

24 SEPT 65

REV STATUS OF SHEETS																			
REV	E	B	B	D	B	B	B	E	D	D	D	B	C	C	B	B	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Miller DATE 23 AUG 65
CHECKED Fesler 24 SEP 65
APPROVAL B. Schlaefer 27 SEPT 65
APPROVAL J. Feldman 9/20/65

WIRING HARNESS A

NASA APPROVAL A. C. METZGER
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900654
REV E

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 18

WIRING HARNESS A 2900654 B

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
6	APPLY LEAD IDENTIFICATIONS PER 1002019.
7	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.
8	LACE HARNESS USING ITEM 18.
9	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 2 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 3 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900654-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 268 FT TOTAL LENGTH
	2	1	2900654-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 16 AWG, WHITE, 19 FT TOTAL LENGTH
7	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
7	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
7	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
4	6	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE
4	7	2	1015902- 46	TERMINAL-LUG, CRIMP STYLE
4	8	41	1015864-135	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	9	19	1015864-137	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	10	12	1015864-139	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	11	26	1015864-140	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	12	3	1015864-162	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	13	1	1015864-163	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	14	2	1015864-226	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	15	2	1015864-227	INSULATION, SLEEVING ELECTRICAL (CLEAR)
4	16	1	1016128-011	BAND-IDENTIFICATION,BLANK

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR D | SHEET 4 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	2900654-003	ZIPPER TUBING PER ND1002155 TYPE I,BLACK, .750 DIA, 7 INCH TOTAL LENGTH.
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED, BLACK (ES2732 NO. 18)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900654
SCALE-NONE | REV LTR B | SHEET 5 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 1	1		XDS1-A	41				.30	YES		10	
			TB3-39	18				.30	YES			C
A 2	1		XDS1-C	41				.30	YES		10	
			TB3-44	19				.30	YES			C
A 3	1		XDS1-G	41				.30	YES		10	
			TB1-20	57				.30	YES			A,D
A 4	1		XDS3-A	31				.30	YES		10	
			TB3-9	10				.30	YES			C
A 5	1		XDS3-G	31				.30	YES		10	
			TB2-34	82				.30	YES			C,B
A 6	1		E20	39				.30	YES			
			TB3-7	10				.30	YES			C
A 7	1		XDS5-A	40				.30	YES		10	
			TB1-54	61				.30	YES			A,D
A 8	1		XDS5-G	40				.30	YES		10	
			K14-3	14				.30	YES		11	C
A 9	1		XDS6-A	30				.30	YES		10	
			K3-8	67				.30	YES		11	C,B
A 10	1		XDS6-G	30				.30	YES		10	
			TB2-35	82				.30	YES			C,B
A 11	1		S1A-19	32				.30	YES			
			BT1-(+)	47				.30	YES		6	
A 12	1		S1A-21	32				.30	YES			
			TB3-17	12				.30	YES			C

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654
SCALE-NONE	REV LTR ~~A~~ B	SHEET 6 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 13	1		S1B-4	32				.30	YES			
			TB1-4	55				.30	YES			A,D
A 14	1		S1B-11	32				.30	YES			
			TB2-43	83				.30	YES			C,B
A 15	1		S1B-16	32				.30	YES			
			TB2-48	85				.30	YES			C,B
A 16	1		S1B-18	32				.30	YES			
			TB1-37	58				.30	YES			A,D
A 17	1		S1B-24	32				.30	YES			
			TB1-40	60				.30	YES			A,D
A 18	1		S2-NC	29				.30	YES			
			K17-15	11				.30	YES		8	C
A 19	1		S2-NO	29				.30	YES			
			TB2-49	86				.30	YES			C,B
A 20	1		S3-NO	29				.30	YES			
			TB2-33	80				.30	YES			C,B
A 21	1		S4-NO	29				.30	YES			
			TB2-51	86				.30	YES			C,B
A 22	1		S5-NO	29				.30	YES			
			TB2-58	88				.30	YES			C,B
A 23	1		S6-NO	29				.30	YES			
			TB2-57	89				.30	YES			C,B
A 24	1		S6-C	29				.30	YES			
			TB2-31	79				.30	YES			C,B

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900654
SCALE-NONE	REV LTR ~~A~~ B	SHEET 7 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 25	1		S7SW1-C	40				.30	YES			
			K10-4	14				.30	YES		11	C
A 26	1		S7SW1-NO	40				.30	YES			
			TB3-20	13				.30	YES			C
A 27	1		S7SW2-C	40				.30	YES			
			K11-2	16				.30	YES		11	C
A 28	1		S7SW3-NO	40				.30	YES			
			K13-5	14				.30	YES		11	C
A 29	1		S7SW4-C	40				.30	YES			
			K12-2	16				.30	YES		11	C
A 30	1		S7SW4-NO	40				.30	YES			
			K14-7	14				.30	YES		11	C
A 31	1		M1-(-)	21				.30	YES		11	
			TB1-3	54				.30	YES			A,D
A 32	1		R2-2	22				.30	YES		9	
			TB1-12	56				.30	YES			A,D
A 33	2		XF1-2	26				.30	YES			
			CR1-A	5				.30	YES		9	C
A 34	2		XF2-2	28				.30	YES			
			T1-3	1				.30	YES		12	C
A 35	2		XF3-2	27				.30	YES			
			T1-1	1				.30	YES		12	C
A 36	2		XF4-1	25				.30	YES			
			TB3-3	10				.30	YES			C

SIZE A	CODE IDENT NO. 99974	2900654
SCALE-NONE	REV LTR E	SHEET 8 OF 18

MIL 2084 9-65

WIRING HARNESS A 2900654 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 37	1		XF4-2	25				.30	YES			
			TB1-25	58				.30	YES			A,D
A 38	1		E29	33				.30	YES			
			E19	5				.30	YES			C
A 39	1		J1-C	44				.20	NO			
			K12-4	16				.30	YES		11	C
A 40	1		E23	37				.30	YES			
			K12-6	16				.30	YES		11	C
A 41	1		E24	36				.30	YES			
			K15-7	14				.30	YES		11	C
A 42	1		E25	35				.30	YES			
			K15-4	14				.30	YES		11	C
A 43	2		E27	34				.30	YES			
			F2	8				.30	YES			C
A 44	1		J3-C	43B				.20	NO			
			K12-7	16				.30	YES		11	C
A 45	1		J3-F	43B				.20	NO			
			K15-6	14				.30	YES		11	C
A 46	1		J4-B	42				.20	NO			
			TB1-18	56				.30	YES			A,D
A 47	1		J4-P	42				.20	NO			
			TB2-12	76				.30	YES			C,B
A 48	1		J4-S	42				.20	NO			
			K17-7	11				.30	YES		8	C

SIZE A	CODE IDENT NO. 99974	2900654
SCALE-NONE	REV LTR ~~C~~ D	SHEET 9 OF 18

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 49	1		J4-K	42				.20	NO			
			TB2-14	77				.30	YES			C,B
A 50	1		J4-C	42				.20	NO			
			K17-9	11				.30	YES		8	C
A 51	1		J4-G	42				.20	NO			
			K17-16	11				.30	YES		8	C
A 52	1		J4-T	42				.20	NO			
			K17-19	11				.30	YES		8	C
A 53	1		J1-B	44				.20	NO			
			K2-4	9				.30	YES		11	C
A 54	1		J2-G	45				.20	NO			
			K1-8	4				.30	YES		8	C
A 55	#2		Q7-1	43A				.30	YES		14	
			TB1-48	60				.30	YES			A,D
A 56	1		R27-1	24				.30	YES		9	
			AR2-2	52				.30	YES		8	D
A 57	1		R27-2	24				.30	YES		9	
			TB1-2	54				.30	YES			A,D
A 58	1		R28-2	23				.30	YES		9	
			AR3-6	51				.30	YES		8	D
A 59	1		R28-1	23				.30	YES		9	
			TB1-5	55				.30	YES			A,D
A 60	1		R38-2	20				.30	YES		9	
			K17-13	11				.30	YES		8	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ★ D
SHEET 10 OF 18

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 61	1		R38-1	20				.30	YES		9	
			TB2-5	74				.30	YES			C,B
A 62	1		K3-6	67				.30	YES		11	
			TB1-60	63				.30	YES			A
A 63	1		DS2-2	64				.30	YES			
			K17-1	11				.30	YES		8	C,B
A 64	#2		E11	71				.30	YES			
			TB1-49	60				.30	YES			A
A 65	2		Q7-3	43A				.30	YES		13	
			TB3-2	10				.30	YES			C
A 66	1		Q7-2	43A				.30	YES		14	
			TB1-55	62				.30	YES			A,D
A 67	2		R51-1	7				.30	YES		12	
			K6-8	9				.30	YES		11	C
A 68	1		E13	72				.30	YES			
			TB2-1	75				.30	YES			B
A 69	1		E14	73				.30	YES			
			TB1-47	60				.30	YES			A
A 70	1		E18	67				.30	YES			
			TB2-26	81				.30	YES			B
A 71	1		E9	70				.30	YES			
			TB2-22	81				.30	YES			B
A 72	1		E10	71				.30	YES			
			TB1-56	62				.30	YES			A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ★ D
SHEET 11 OF 18

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 73	1		K3-7	67				.30	YES		11	
			TB1-45	61				.30	YES			A
A 74	1		K3-3	67				.30	YES		11	
			TB1-43	60				.30	YES			A
A 75	1		E6	2				.30	YES			
			R18-2	15				.30	YES		9	C
A 76	1		E8	69				.30	YES			
			TB1-52	61				.30	YES			A
A 77	1		DS2-1	64				.30	YES		10	
			TB1-19	56				.30	YES			A
A 78	1		DS2-3	64				.30	YES		10	
			TB1-36	59				.30	YES			A
A 79	1		E1	8				.30	YES			
			TB3-24	12				.30	YES			C
A 80	1		CR4-2	65				.30	YES		15	
			TB2-30	79				.30	YES			B
A 81	1		CR4-4	4				.30	YES		15	
			K12-3	16				.30	YES		11	C
A 82	1		BT8-(-)	48				.20	NO		6	
			TB3-47	19				.30	YES			C
A 83	1		DS4-1	49				.20	NO		7	
			TB1-53	61				.30	YES			A,D
A 84	1		DS4-3	49				.20	NO		7	
			K11-7	16				.30	YES		11	C

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ★B
SHEET 12 OF 18

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 85	1		E17	66				.30	YES			
			TB3-9	10				.30	YES			B,C
A 86	1		TB1-60	63				.30	YES			
			TB3-16	12				.30	YES			C,B,A
A 87	1		TB2-31	79				.30	YES			
			AR3-4	51				.30	YES		8	B,A,D
A 88	1		TB2-32	80				.30	YES			
			AR2-4	52				.30	YES		8	B,A,D
A 89	1		TB2-54	87				.30	YES			
			K11-8	16				.30	YES		11	C,B
A 90	1		TB1-35	58				.30	YES			
			K14-4	14				.30	YES		11	C,B,A
A 91	1		TB1-29	58				.30	YES			
			AR1-1	53				.30	YES		8	A,D
A 92	1		TB2-46	84				.30	YES			
			AR4-1	50				.30	YES		8	B,C,D
A 93	1		TB2-46	84				.30	YES			
			K17-6	11				.30	YES		8	C,B
A 94	1		TB2-50	86				.30	YES			
			K17-18	11				.30	YES		8	C,B
A 95	1		TB1-11	56				.30	YES			
			AR2-6	52				.30	YES		8	A,D
A 96	1		TB1-14	57				.30	YES			
			AR3-2	51				.30	YES		8	A,D

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 13 OF 18

MIL 2084 9-65

WIRING HARNESS A 2900654 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 97	1		AR4-3	50				.30	YES		8	
			R33-2	15				.30	YES		9	C,D
A 98	1		TB2-21	81				.30	YES			
			R50-2	15				.30	YES		9	C,B
A 99	1		TB1-24	56				.30	YES			
			R50-1	15				.30	YES		9	A,B,C
A 100	1		TB2-16	78				.30	YES			
			AR4-8	50				.30	YES		8	B,A,D
A 101	1		TB1-24	56				.30	YES			
			TB2-27	81				.30	YES			B,A
A 102	1		TB2-22	81				.30	YES			
			R33-2	15				.30	YES			C,B
A 103	1		TB2-56	89				.30	YES			
			R33-1	15				.30	YES		9	C,B
A 104	1		TB2-38	83				.30	YES			
			K5-7	9				.30	YES		11	C,B
A 105	1		TB2-42	82				.30	YES			
			R35-2	15				.30	YES		9	C,B
A 106	1		TB2-47	85				.30	YES			
			R35-1	15				.30	YES		9	C,B
A 107	1		TB2-44	84				.30	YES			
			K17-12	11				.30	YES		8	C,B
A 108	1		TB2-44	84				.30	YES			
			AR4-4	50				.30	YES		8	B,C,D

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR C
SHEET 14 OF 18

MIL 2084 9-65

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 109	1		TB2-24	81				.30	YES			
			AR4-2	50				.30	YES		8	B,C,D
A 110	1		TB1-23	56				.30	YES			
			AR4-7	50				.30	YES		8	A,D
A 111	1		TB1-23	56				.30	YES			
			AR1-7	53				.30	YES		8	A,D
A 112	1		TB1-23	56				.30	YES			
			AR2-7	52				.30	YES		8	A,D
A 113	1		TB1-17	56				.30	YES			
			AR3-7	51				.30	YES		8	A,D
A 114	1		TB2-45	84				.30	YES			
			R19-2	15				.30	YES		9	C,B
A 115	1		TB2-39	83				.30	YES			
			R19-1	15				.30	YES		9	C,B
A 116	1		TB1-13	57				.30	YES			
			AR1-4	53				.30	YES		8	A,D
A 117	1		TB1-1	54				.30	YES			
			AR1-2	53				.30	YES		8	A,D
A 118	1		TB1-10	56				.30	YES			
			AR1-6	53				.30	YES		8	A,D
A 119	1		TB1-51	61				.30	YES			
			AR1-8	53				.30	YES		8	A,D
A 120	1		TB1-44	61				.30	YES			
			AR1-3	53				.30	YES		8	A,D

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ~~A~~ B
SHEET 15 OF 18

MIL 2084 4-63

WIRING HARNESS A 2900654 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 121	1		TB2-52	87				.30	YES			
			R18-1	15				.30	YES		9	C,B
A 122	1		TB2-37	82				.30	YES			
			K2-7	9				.30	YES		11	C,B
A 123	1		TB3-41	18				.30	YES			
			AR2-3	52				.30	YES		8	C,D
A 124	1		TB3-42	19				.30	YES			
			AR3-3	51				.30	YES		8	C,D
A 125	1		TB3-40	18				.30	YES			
			AR3-8	51				.30	YES		8	C,D
A 126	1		TB3-43	19				.30	YES			
			AR2-8	52				.30	YES		8	C,D
A 127	1		TB3-45	19				.30	YES			
			AR3-5	51				.30	YES		8	C,D
A 128	1		TB3-46	18				.30	YES			
			AR2-5	52				.30	YES		8	C,D
A 129	1		TB2-13	77				.30	YES			
			AR2-1	52				.30	YES		8	B,A,D
A 130	1		TB2-13	77				.30	YES			
			AR3-1	51				.30	YES		8	B,A,D
A 131	1		TB1-46	61				.30	YES			
			TB3-35	17				.30	YES			C,B,A
A 132	1		TB1-33	58				.30	YES			
			TB3-30	17				.30	YES			C,B,A

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900654
SCALE-NONE
REV LTR ~~A~~ B
SHEET 16 OF 18

MIL 2084 4-63

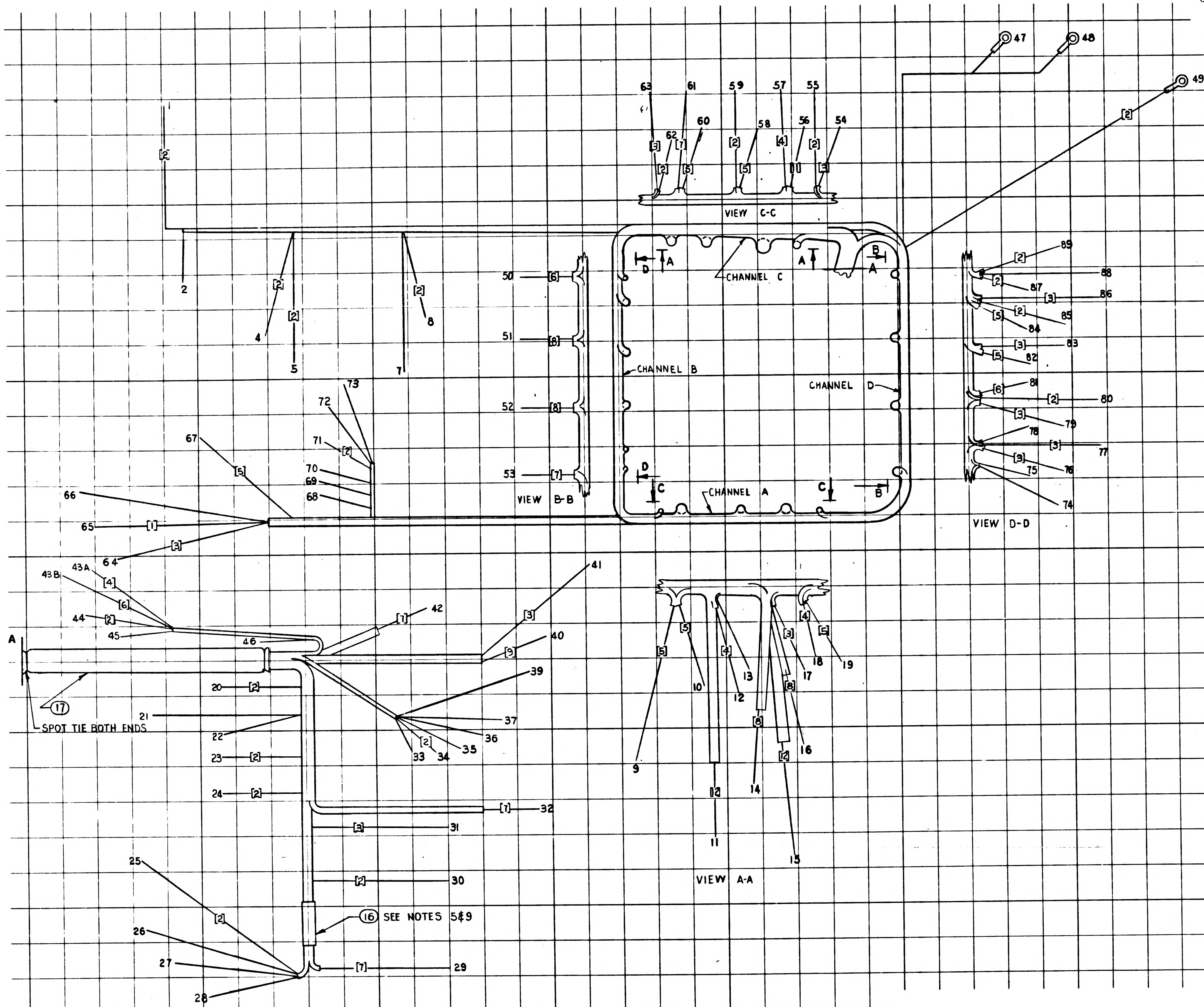
WIRING HARNESS A 2900654 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNEL
A 133	1		TB2-36	82				.30	YES			
			K17-2	11				.30	YES		8	C,B
A 134	1		TB1-8	57				.30	YES			
			TB3-36	17				.30	YES			C,B,A
A 135	1		TB2-18	76				.30	YES			
			R16-2	15				.30	YES		9	C,B
A 136	1		TB2-19	76				.30	YES			
			K4-4	9				.30	YES		11	C,B
A 137	1		TB1-58	63				.30	YES			
			E7	68				.30	YES			A
A 138	1		XDS3-C	31				.30	YES		10	
			TB1-30	59				.30	YES			A,D
A 139	1		J3-B	43B				.20	NO			
			K17-4	11				.30	YES		8	C
A 140	1		J3-E	43B				.20	NO			
			S7SW1-NO	40				.30	YES			
A 141	1		J3-D	43B				.20	NO			
			TB3-22	12				.30	YES			
A 142	1		J3-J	43B				.20	NO			
			E-27	34				.30	YES			
A 143	1		Q7-1	43A				.30	YES			
			TP1	46				.30	YES			

SIZE A
CODE IDENT NO. 99974
2900654
SCALE-NONE
REV LTR ~~C~~ D
SHEET 17 OF 18

MIL 2084 9-65

REVISIONS 2042				
SYM	ZONE	DESCRIPTION	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD	CHG NO	


VIEW C-C
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
FRACTIONS ± DECIMALS ± ANGLES ±	ACSP PN DRAWN R. W. DATE 9 SEP 65 CHECKED 27 SEP 65 APPROVAL APPROVAL	WIRING HARNESS A		
DO NOT SCALE THIS DRAWING				
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974	SIZE E	2900654
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL		SHEET 8 OF 8

2900654 D

APPLICATION	
NEXT ASSY	USED ON
2900777-011	2900060-011

REVISIONS ~~24042~~

SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MYC 206400	27 OCT 65	cmk MEM
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.D.

REV											
SHEET											
REV STATUS REV	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11

24 SEP 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Miller 23 AUG 65
DATE
CHECKED 24 SEP 65
APPROVAL 27 SEPT 65
APPROVAL

WIRING HARNESS B

NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS9-497

CODE IDENT NO. 99974
SIZE A
2900655
REV B
SCALE —
SHEET 1 OF 11

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE.
2	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
3	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.
4	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
5	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	LACE HARNESS USING ITEM 11.
8	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 11.
9	APPLY LEAD IDENTIFICATION PER ND 1002019.

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900655-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 33.9 FT TOTAL LENGTH
	2	1	2900655-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 16 AWG, WHITE, 24.6 INCH TOTAL LENGTH
	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	4	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
6	6	3	1015864-135	INSULATION-SLEEVING, ELECTRICAL (CLEAR)
6	7	17	1015864-137	INSULATION-SLEEVING, ELECTRICAL (CLEAR)
6	8	43	1015864-140	INSULATION-SLEEVING, ELECTRICAL (CLEAR)
6	9	1	1015864-163	INSULATION-SLEEVING, ELECTRICAL (CLEAR)
6	10	1	1016128-011	BAND-IDENTIFICATION, BLANK
	11	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED, BLACK (ES2732 NO.18)

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1	1		TB3-39 K10-5	13 9				.30 .30	YES YES		8	
B 2	1		TB3-44 K11-5	13 10				.30 .30	YES YES		8	
B 3	1		TB3-9 K5-3	1 4				.30 .30	YES YES		8	
B 4	1		TB3-16 CR7-A	7 21				.30 .30	YES YES		9	
B 5	1		TB3-15 K5-2	6 4				.30 .30	YES YES		8	
B 6	1		TB3-14 K13-1	6 20				.30 .30	YES YES		8	
B 7	1		TB3-8 K13-4	1 20				.30 .30	YES YES		8	
B 8	1		TB3-33 K5-4	12 4				.30 .30	YES YES		8	
B 9	1		TB3-20 K8-7	6 5				.30 .30	YES YES		8	
B 10	1		TB3-21 K14-5	6 19				.30 .30	YES YES		8	
B 11	2		TB3-3 K16-6	1 22				.30 .30	YES YES		7	
B 12	2		TB3-3 K7-1	1 23				.30 .30	YES YES		7	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900655
SCALE-NONE
REV LTR B
SHEET 5 OF 11

MIL 2084 4-63

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 13	2		TB3-2 K16-1	1 22				.30 .30	YES YES		7	
B 14	2		TB3-2 K6-1	1 24				.30 .30	YES YES		7	
B 15	1		TB3-25 K7-8	12 23				.30 .30	YES YES		7	
B 16	1		TB3-18 K16-7	7 22				.30 .30	YES YES		7	
B 17	1		TB3-5 K6-4	2 24				.30 .30	YES YES		7	
B 18	1		TB3-42 K7-3	14 23				.30 .30	YES YES		7	
B 19	1		TB3-35 K6-7	11 24				.30 .30	YES YES		7	
B 20	1		TB3-36 K7-7	11 23				.30 .30	YES YES		7	
B 21	1		TB3-22 K9-5	6 8				.30 .30	YES YES		8	
B 22	1		TB3-28 K8-1	11 5				.30 .30	YES YES		8	
B 23	1		TB3-37 K11-1	11 10				.30 .30	YES YES		8	
B 24	1		TB3-34 K10-1	12 9				.30 .30	YES YES		8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900655
SCALE-NONE
REV LTR B
SHEET 6 OF 11

MIL 2084 4-63

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 25	1		TB3-12 K9-4	7 8				.30 .30	YES YES		8	
B 26	1		TB3-6 K8-3	2 5				.30 .30	YES YES		8	
B 27	1		TB3-10 K13-7	2 20				.30 .30	YES YES		8	
B 28	1		TB3-13 K13-8	6 20				.30 .30	YES YES		8	
B 29	1		TB3-38 K4-1	12 3				.30 .30	YES YES		8	
B 30	1		TB3-11 CR7-C	2 21				.30 .30	YES YES		7	
B 31	1		TB3-24 K2-3	12 25				.30 .30	YES YES		8	
B 32	1		TB3-47 K12-8	13 15				.30 .30	YES YES			
B 33	1		K11-5 K9-2	10 8				.30 .30	YES YES		8	
B 34	1		K13-1 K15-1	20 16				.30 .30	YES YES		8	
B 35	1		K13-4 K15-5	20 16				.30 .30	YES YES		8	
B 36	1		TB3-38 R16-1	12 18				.30 .30	YES YES		7	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900655
SCALE-NONE
REV LTR B
SHEET 7 OF 11

MIL 2084 4-63

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 37	1		TB3-41 R18-2	14 18				.30 .30	YES YES			
B 38	1		K8-4 K10-4	5 9				.30 .30	YES YES			
B 39	1		K6-5 K8-4	24 5				.30 .30	YES YES		7 8	
B 40	1		K15-5 K5-8	16 4				.30 .30	YES YES		8	
B 41	1		K8-5 K10-6	5 9				.30 .30	YES YES		8 8	
B 42	1		K9-3 K11-2	8 10				.30 .30	YES YES			
B 43	1		K7-5 K9-3	23 8				.30 .30	YES YES		7 8	
B 44	1		K9-8 K11-8	8 10				.30 .30	YES YES		8	
B 45	1		TB3-2 R50-3	1 17				.30 .30	YES YES		7	
B 46	1		K2-2 K8-8	25 5				.30 .30	YES YES		8 8	
B 47	1		K2-2 K17-10	25 21				.30 .30	YES YES			
B 48	1		TB3-31 K5-6	12 4				.30 .30	YES YES		8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900655
SCALE-NONE
REV LTR B
SHEET 8 OF 11

MIL 2084 4-63

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 49	1		K6-2	24				.30	YES		7	
			K17-10	21				.30	YES		6	
B 50	1		K4-5	3				.30	YES		8	
			K6-2	24				.30	YES			
B 51	1		K4-5	3				.30	YES			
			K14-8	19				.30	YES			
B 52	1		K8-2	5				.30	YES		8	
			K10-5	9				.30	YES			
B 53	1		K12-8	15				.30	YES		8	
			K14-8	19				.30	YES		8	
B 54	1		K12-2	15				.30	YES			
			K14-4	19				.30	YES			
B 55	1		K11-4	10				.30	YES		8	
			K14-2	19				.30	YES		8	
B 56	2		K10-3	9				.30	YES		8	
			K13-2	20				.30	YES		8	
B 57	1		K9-7	8				.30	YES		8	
			K14-1	19				.30	YES		8	
B 58	1		K8-3	5				.30	YES			
			K12-5	15				.30	YES		8	
B 59	1		K7-2	23				.30	YES		7	
			K9-5	8				.30	YES			
B 60	1		K9-4	8				.30	YES			
			K12-1	15				.30	YES		8	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900655

SCALE - NONE | REV LTR ★ B | SHEET 9 OF 11

MIL 2084 4-63

WIRING HARNESS B 2900655

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 61			K12-7	15				.30	YES			
			K17-5	21				.30	YES		6	
B 62			K12-4	15				.30	YES			
			K17-3	21				.30	YES		6	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A 2900655

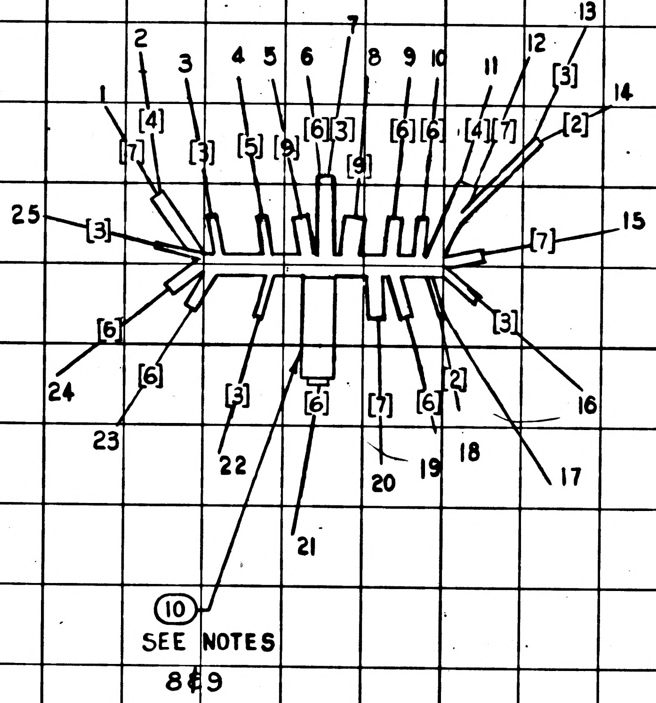
SCALE - NONE | REV LTR ★ B | SHEET 10 OF 11

MIL 2084 4-63

2900655 REV LTR B

SYM	ZONE	REVISIONS 26062 DESCRIPTION	DATE	APPD.
		CHG NO.		

SEE SHEET 1 FOR REVISION RECORD



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SEE NOTES
8&9

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Tuesmas DATE 13SEP 65
CHECKED Fasler 27SEP 65
APPROVAL [illegible] 27SEPT65
APPROVAL C. Jolliman 9/30/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS B

CODE IDENT NO. 99974
SIZE D
2900655
SCALE FULL
SHEET 11 OF 11

MX 109894

APPLICATION

NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MRC 206401	27 OCT 65	
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	

REV STATUS OF SHEETS																	
REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN R. Nunn 23 AUG 65
CHECKED Zeeler 27 SEP 65
APPROVAL 28 SEP 65
APPROVAL 10/26/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS9-497

LEAD SET A-A ELECTRICAL

CODE IDENT NO. 99974 | SIZE A | 2900656 | REV B

SCALE — | SHEET 1 OF 17

WIRE LIST AA 2900656

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 5 AND 7.

3 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

4 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

5 APPLY LEAD IDENTIFICATION PER ND1002019.

6 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900656
SCALE-NONE | REV LTR B | SHEET 2 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900656-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 28.3 FT TOTAL LENGTH
	2	1	2900656-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 20 AWG, WHITE, 7 FT TOTAL LENGTH
	3	1	2900656-003	WIRE PER ND1002181, TYPE 1,CLASS 1, 16 AWG, WHITE, 9.5 FT TOTAL LENGTH
	4	1	2900656-004	WIRE, BUS, QQ-W-343 TYPE S, COATED (ES110-1) 22 AWG, 20 INCHES TOTAL LENGTH
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WRAP	QQ-S-571 (ES2175-3)
	7	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
3	8	4	1015902- 47	TERMINAL-LUG, CRIMP STYLE
3	9	8	1015864-135	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	10	2	1015864-137	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	11	9	1015864-139	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	12	9	1015864-140	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	13	5	1015864-162	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	14	2	1015864-163	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	15	1	1015864-226	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	16	6	1015864-227	INSULATION, SLEEVING, ELECTRICAL (CLEAR)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900656
SCALE-NONE | REV LTR B | SHEET 3 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
3	17	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900656
SCALE-NONE | REV LTR B | SHEET 4 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 1	1		XDS1-A XDS1-B					.30 .30	YES YES		11	
AA 2	1		XDS1-C XDS1-D					.30 .30	YES YES		11	
AA 3	1		XDS3-A XDS3-B					.30 .30	YES YES		11	
AA 4	1		XDS3-C XDS3-D					.30 .30	YES YES		11	
AA 5	1		XDS3-H S7SW3-C					.30 .30	YES YES		11	
AA 6	1		XDS3-H J2-H					.30 .20	YES NO			
AA 7	1		J1-A E20					.20 .30	NO YES			
AA 8	1		S7SW3-C E20					.30 .30	YES YES			
AA 9	1		XDS5-A XDS5-C					.30 .30	YES YES		11	
AA 10	1		XDS6-A XDS6-C					.30 .30	YES YES		11	
AA 11	3		S1A-1 J1-K					.30 .25	YES NO			
AA 12	3		S1A-4 XF1-1					.30 .30	YES YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900656	
SCALE-NONE	REV LTR	B	SHEET 5 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	4		S1A-4 S1A-5									
AA 14	4		S1A-5 S1A-6									
AA 15	3		S1A-7 J2-M					.30 .25	YES NO			
AA 16	4		S1A-10 S1A-11									
AA 17	4		S1A-11 S1A-12									
AA 18	2		S1A-10 XF2-1					.30 .30	YES YES			
AA 19	3		S1A-13 J2-J					.30 .25	YES NO			
AA 20	4		S1A-16 S1A-17									
AA 21	4		S1A-17 S1A-18									
AA 22	2		S1A-16 XF3-1					.30 .30	YES YES			
AA 23	4		S1A-21 S1A-22									
AA 24	4		S1A-22 S1A-23									

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900656	
SCALE-NONE	REV LTR	B	SHEET 6 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	4		S1A-23 S1A-24									
AA 26	1		S1B-1 J4-A					.30 .20	YES NO			
AA 27	4		S1B-3 S1B-4									
AA 28	4		S1B-4 S1B-5									
AA 29	4		S1B-5 S1B-6									
AA 30	1		S1B-7 S1B-20					.30 .30	YES YES			
AA 31	4		S1B-20 S1B-21									
AA 32	4		S1B-21 S1B-22									
AA 33	1		S1B-22 S6-1C					.30 .30	YES YES			
AA 34	4		S1B-11 S1B-12									
AA 35	1		S1B-13 M1-(-)					.30 .30	YES YES		12	
AA 36	4		S1B-14 S1B-15									

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900656	
SCALE-NONE	REV LTR	B	SHEET 7 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	4		S1B-15 S1B-16									
AA 38	1		S1B-19 R2-1					.30 .30	YES YES		10	
AA 39	1		S2-2C S3-2NC					.30 .30	YES YES			
AA 40	1		S3-2C S4-2NC					.30 .30	YES YES			
AA 41	1		S4-2C S5-1NC					.30 .30	YES YES			
AA 42	1		S5-1C S6-1NC					.30 .30	YES YES			
AA 43	1		S7SW2-NO TP2					.30 .30	YES YES			
AA 44	3		XF4-2 E21					.30 .30	YES YES			
AA 45	2		E21 J4-H					.30 .20	YES NO			
AA 46	2		E21 J4-R					.30 .20	YES NO			
AA 47	1		E21 TP3					.30 .30	YES YES			
AA 48	1		J3-K E29					.20 .30	NO YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900656	
SCALE-NONE	REV LTR	B	SHEET 8 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	2		J2-L					.25	NO			
			E29					.30	YES			
AA 50	2		J1-M					.25	NO			
			E28					.30	YES			
AA 51			DELETED									
AA 52			DELETED									
AA 53	1		J1-D					.20	NO			
			E23					.30	YES			
AA 54	1		J3-A					.20	NO			
			E23					.30	YES			
AA 55	1		J1-E					.20	NO			
			E24					.30	YES			
AA 56	1		J3-H					.20	NO			
			E24					.30	YES			
AA 57	1		J1-F					.20	NO			
			E25					.30	YES			
AA 58	1		J3-G					.20	NO			
			E25					.30	YES			
AA 59	3		J1-L					.25	NO			
			E26					.30	YES			
AA 60	4		E26									
			E27									

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900656
SCALE - NONE REV LTR B SHEET 9 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 61	2		J4-L					.20	NO			
			E26					.30	YES			
AA 62	2		J4-N					.20	NO			
			E26					.30	YES			
AA 63	2		TP4					.30	YES			
			E27					.30	YES			
AA 64	4		TP2									
			TP4									
AA 65	3		E2					.30	YES			
			C3-(-)					.20	NO		8	
AA 66	3		E17					.30	YES			
			C3-(+)					.20	NO		8	
AA 67	3		CR3-2					.30	YES		16	
			C3-(+)					.20	NO		8	
AA 68	3		E17					.30	YES			
			K1-2					.30	YES		9	
AA 69	3		E17					.30	YES			
			K3-5					.30	YES		12	
AA 70	1		T1-3					.30	YES			
			K1-3					.30	YES		9	
AA 71	1		T1-1					.30	YES			
			K1-7					.30	YES		9	
AA 72	1		K1-6					.30	YES		9	
			E18					.30	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900656
SCALE - NONE REV LTR B SHEET 10 OF 17

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WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 73	1		E2					.30	YES			
			E18					.30	YES			
AA 74	3		E2					.30	YES			
			CR3-4					.30	YES		16	
AA 75	1		E11					.30	YES			
			E15					.30	YES			
AA 76	3		Q7-1					.30	YES		15	
			E15					.30	YES			
AA 77	3		K3-2					.30	YES		12	
			E15					.30	YES			
AA 78	3		R51-2					.30	YES		13	
			E15					.30	YES			
AA 79	1		E12					.30	YES			
			CR23-C					.30	YES		10	
AA 80	1		K1-6					.30	YES			
			CR23-A					.30	YES		14	
AA 81	1		BT4-(-)					.20	NO		17	
			BT5-(+)					.20	NO		17	
AA 82	1		E8					.30	YES			
			K3-1					.30	YES			
AA 83	1		K3-1					.30	YES		12	
			DS2-2					.30	YES		11	
AA 84	3		CR1-C					.30	YES		14	
			E1					.30	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900656
SCALE - NONE REV LTR B SHEET 11 OF 17

MIL 2084 4-63

WIRE LIST AA 2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 85	3		K1-4					.30	YES		9	
			E1					.30	YES			
AA 86	1		T1-5					.30	YES		13	
			CR4-3					.30	YES		16	
AA 87	1		T1-6					.30	YES		13	
			CR4-1					.30	YES		16	
AA 88	2		T1-7					.30	YES		13	
			CR3-3					.30	YES		16	
AA 89	2		T1-8					.30	YES		13	
			CR3-1					.30	YES		16	
AA 90	4		TB1-17									
			TB1-24									
AA 91	1		TB1-17					.30	YES			
			TB1-41					.30	YES			
AA 92	4		TB1-23									
			TB1-24									
AA 93	4		TB1-28									
			TB1-32									
AA 94	1		TB1-30					.30	YES			
			TB1-60					.30	YES			
AA 95	4		TB1-31									
			TB1-32									
AA 96	1		TB1-31					.30	YES			
			TB1-50					.30	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900656
SCALE - NONE REV LTR B SHEET 12 OF 17

MIL 2084 4-63

WIRE LIST AA

2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 97	1		TB1-33 TB1-52					.30 .30	YES YES			
AA 98	1		TB1-34 TB1-37					.30 .30	YES YES			
AA 99	1		TB1-38 TB1-40					.30 .30	YES YES			
AA 100	4		TB1-41 TB1-42									
AA 101	1		TB1-42 TB1-50					.30 .30	YES YES			
AA 102	1		TB1-39 TB1-45					.30 .30	YES YES			
AA 103	4		TB1-48 TB1-49									
AA 104	1		TB1-43 TB1-44					.30 .30	YES YES			
AA 105	1		TB3-31 TB3-47					.30 .30	YES YES			
AA 106	1		TB2-1 TB2-16					.30 .30	YES YES			
AA 107	1		TB2-6 TB2-28					.30 .30	YES YES			
AA 108	4		TB2-8 TB2-17									

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900656

SCALE-NONE

REV LTR B

SHEET 13 OF 17

MIL 2064 4-63

WIRE LIST AA

2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 109	4		TB2-23 TB2-27									
AA 110	4		TB2-23 TB2-28									
AA 111	4		TB2-26 TB2-27									
AA 112	1		TB2-26 TB2-54					.30 .30	YES YES			
AA 113	1		TB2-32 TB2-48					.30 .30	YES YES			
AA 114	4		TB2-40 TB2-41									
AA 115	1		TB2-41 TB2-50					.30 .30	YES YES			
AA 116	4		TB2-53 TB2-54									
AA 117	4		TB2-54 TB2-55									
AA 118	4		TB3-7 TB3-8									
AA 119	4		TB3-14 TB3-15									
AA 120	4		TB3-15 TB3-16									

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900656

SCALE-NONE

REV LTR B

SHEET 14 OF 17

MIL 2064 4-63

WIRE LIST AA

2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 121	1		TB3-19 TB3-32					.30 .30	YES YES			
AA 122	1		TB3-23 TB3-33					.30 .30	YES YES			
AA 123	4		TB3-26 TB3-27									
AA 124	4		TB3-27 TB3-28									
AA 125	4		TB3-28 TB3-29									
AA 126	4		TB3-29 TB3-30									
AA 127	4		TB3-41 TB3-42									
AA 128	2		J4-D TP2					.20 .30	NO YES			
AA 129	2		J4-U TP4					.20 .30	NO YES			
AA 130	2		J4-E TP3					.20 .30	NO YES			
AA 131	2		J4-F TP3					.20 .30	NO YES			
AA 132	4		E28 E29									

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900656

SCALE-NONE

REV LTR B

SHEET 15 OF 17

MIL 2064 4-63

WIRE LIST AA

2900656

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 133	1		E28 E31					.30 .20	YES NO		 8	
AA 134	1		K8-5 K8-7					.30 .30	YES YES			
AA 135	1		K17-4 K17-10					.30 .30	YES YES			
AA 136	1		K13-5 K13-7					.30 .30	YES YES			
AA 137	1		K14-5 K14-7					.30 .30	YES YES			
AA 138	1		K9-1 K9-7					.30 .30	YES YES		12	
AA 139	1		K13-3 K14-3					.30 .30	YES YES		12	
AA 140	1		K4-6 K5-4					.30 .30	YES YES		12	
AA 141			K8-8 K9-8					.30 .30	YES YES			
AA 142	3		K6-6 K7-6					.30 .30	YES YES		9 9	
AA 143	1		K6-3 K7-3					.30 .30	YES YES		9	
AA 144	1		K8-1 K9-1					.30 .30	YES YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900656

SCALE-NONE

REV LTR B

SHEET 16 OF 17

MIL 2064 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 145	1		K10-3 K11-7					.30 .30	YES YES			
AA 146	1		K10-8 K11-4					.30 .30	YES YES		12	
AA 147	1		K7-8 K16-3					.30 .30	YES YES		 12	
AA 148	4		E29 E30									
AA 149	1		J4-V E30					.20 .30	NO YES			
AA 150	1		J4-W E30					.20 .30	NO YES			
AA 151	1		J4-J E28					.20 .30	NO YES			
AA 152	1		TB2-6 TB2-2					.30 .30	YES. YES			
AA 153	1		TB2-40 TB2-9					.30 .30	YES YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900656
SCALE - NONE	REV LTR A B	SHEET 17 OF 17

MIL 2064 4-63

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206401	27 OCT 65	R. Taticek W.A.
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.A.
C	REVISED PER TDRR 25287	19 JAN 66	RLP PJ

REV																		
SHEET																		
REV STATUS OF SHEETS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN R. Turner DATE 23 AUG 65
CHECKED Fesler 27 SEP 65
APPROVAL B. Schleeper 28 SEP 65
APPROVAL C. Yelinan 10/20/65

LEAD SET A-A, ELECTRICAL

NASA APPROVAL A. C. METZGER
MIT APPROVAL W. Coffer
CONTRACT NAS9-497

CODE IDENT NO.	SIZE		REV
99974	A	2900656	C

SCALE —
SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE CNE IS NOT APPLICABLE
2	SCLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 5 AND 7.
3	VENDOR ITEM - SEE SOURCE CONTROL CR SPECIFICATION CONTROL DRAWING.
4	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
5	APPLY LEAD IDENTIFICATION PER ND1002019.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 2 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900656-001	WIRE PLR ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 28.3 FT TOTAL LENGTH
	2	1	2900656-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 20 AWG, WHITE, 7 FT TOTAL LENGTH
	3	1	2900656-003	WIRE PER ND1002181, TYPE 1,CLASS 1, 16 AWG, WHITE, 9.5 FT TOTAL LENGTH
	4	1	2900656-004	WIRE, BUS, QQ-W-343 TYPE S, COATED (ES110-1) 22 AWG, 20 INCHES TOTAL LENGTH
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WRAP	QQ-S-571 (ES2175-3)
	7	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
3	8	4	1015902- 47	TERMINAL-LUG, CRIMP STYLE
3	9	8	1015864-135	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	10	2	1015864-137	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	11	9	1015864-139	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	12	9	1015864-140	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	13	5	1015864-162	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	14	2	1015864-163	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	15	1	1015864-226	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	16	6	1015864-227	INSULATION, SLEEVING, ELECTRICAL (CLEAR)

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 3 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
3	17	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 4 OF 17

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	1	1		XDS1-A					.30	YES			
				XDS1-B					.30	YES		11	
AA	2	1		XDS1-C					.30	YES			
				XDS1-D					.30	YES		11	
AA	3	1		XDS3-A					.30	YES			
				XDS3-B					.30	YES		11	
AA	4	1		XDS3-C					.30	YES			
				XDS3-D					.30	YES		11	
AA	5	1		XDS3-H					.30	YES		11	
				S7SW3-C					.30	YES			
AA	6	1		XDS3-H					.30	YES			
				J2-H					.20	NO			
AA	7	1		J1-A					.20	NO			
				E20					.30	YES			
AA	8	1		S7SW3-C					.30	YES			
				E20					.30	YES			
AA	9	1		XDS5-A					.30	YES			
				XDS5-C					.30	YES		11	
AA	10	1		XDS6-A					.30	YES			
				XDS6-C					.30	YES		11	
AA	11	3		S1A-1					.30	YES			
				J1-K					.25	NO			
AA	12	3		S1A-4					.30	YES			
				XF1-1					.30	YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 5 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	4		S1A-4 S1A-5									
AA 14	4		S1A-5 S1A-6									
AA 15	3		S1A-7 J2-M					.30 .25	YES NO			
AA 16	4		S1A-10 S1A-11									
AA 17	4		S1A-11 S1A-12									
AA 18	2		S1A-10 XF2-1					.30 .30	YES YES			
AA 19	3		S1A-13 J2-J					.30 .25	YES NO			
AA 20	4		S1A-16 S1A-17									
AA 21	4		S1A-17 S1A-18									
AA 22	2		S1A-16 XF3-1					.30 .30	YES YES			
AA 23	4		S1A-21 S1A-22									
AA 24	4		S1A-22 S1A-23									

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 6 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	4		S1A-23 S1A-24									
AA 26	1		S1B-1 J4-A					.30 .20	YES NO			
AA 27	4		S1B-3 S1B-4									
AA 28	4		S1B-4 S1B-5									
AA 29	4		S1B-5 S1B-6									
AA 30	1		S1B-7 S1B-20					.30 .30	YES YES			
AA 31	4		S1B-20 S1B-21									
AA 32	4		S1B-21 S1B-22									
AA 33	1		S1B-22 S6-1C					.30 .30	YES YES			
AA 34	4		S1B-11 S1B-12									
AA 35	1		S1B-13 M1-(+)					.30 .30	YES YES		12	
AA 36	4		S1B-14 S1B-15									

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 7 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	4		S1B-15 S1B-16									
AA 38	1		S1B-19 R2-1					.30 .30	YES YES		10	
AA 39	1		S2-2C S3-2NC					.30 .30	YES YES			
AA 40	1		S3-2C S4-2NC					.30 .30	YES YES			
AA 41	1		S4-2C S5-1NC					.30 .30	YES YES			
AA 42	1		S5-1C S6-1NC					.30 .30	YES YES			
AA 43	1		S7SW2-NO TP2					.30 .30	YES YES			
AA 44	3		XF4-2 E21					.30 .30	YES YES			
AA 45	2		E21 J4-H					.30 .20	YES NO			
AA 46	2		E21 J4-R					.30 .20	YES NO			
AA 47	1		E21 TP3					.30 .30	YES YES			
AA 48	1		J3-K E29					.20 .30	NO YES			

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 8 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	2		J2-L E29					.25 .30	NO YES			
AA 50	2		J1-M E28					.25 .30	NO YES			
AA 51			DELETED									
AA 52			DELETED									
AA 53	1		J1-D E23					.20 .30	NO YES			
AA 54	1		J3-A E23					.20 .30	NO YES			
AA 55	1		J1-E E24					.20 .30	NO YES			
AA 56	1		J3-H E24					.20 .30	NO YES			
AA 57	1		J1-F E25					.20 .30	NO YES			
AA 58	1		J3-G E25					.20 .30	NO YES			
AA 59	3		J1-L E26					.25 .30	NO YES			
AA 60	4		E26 E27									

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 9 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 61	2		J4-L					.20	NO			
			E26					.30	YES			
AA 62	2		J4-N					.20	NO			
			E26					.30	YES			
AA 63	2		TP4					.30	YES			
			E27					.30	YES			
AA 64	4		TP2									
			TP4									
AA 65	3		E2					.30	YES			
			C3-(-)					.20	NO		8	
AA 66	3		E17					.30	YES			
			C3-(+)					.20	NO		8	
AA 67	3		CR3-2					.30	YES		16	
			C3-(+)					.20	NO		8	
AA 68	3		E17					.30	YES			
			K1-2					.30	YES		9	
AA 69	3		E17					.30	YES			
			K3-5					.30	YES		12	
AA 70	1		T1-4					.30	YES			
			K1-3					.30	YES		9	
AA 71	1		T1-1					.30	YES			
			K1-7					.30	YES		9	
AA 72	1		K1-6					.30	YES		9	
			E18					.30	YES			

SIZE	CODE IDENT NO.			
A	99974	2900656		
SCALE-NONE	REV LTR	C	SHEET 10 OF 17	

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 73	1		E2					.30	YES			
			E18					.30	YES			
AA 74	3		E2					.30	YES			
			CR3-4					.30	YES		16	
AA 75	1		E11					.30	YES			
			E15					.30	YES			
AA 76	3		Q7-1					.30	YES		15	
			E15					.30	YES			
AA 77	3		K3-2					.30	YES		12	
			E15					.30	YES			
AA 78	3		R51-2					.30	YES		13	
			E15					.30	YES			
AA 79	1		E12					.30	YES			
			CR23-C					.30	YES		10	
AA 80	1		K1-6					.30	YES			
			CR23-A					.30	YES		14	
AA 81	1		BT4-(-)					.20	NO		17	
			BT5-(+)					.20	NO		17	
AA 82	1		E8					.30	YES			
			K3-1					.30	YES			
AA 83	1		K3-1					.30	YES		12	
			DS2-2					.30	YES		11	
AA 84	3		CR1-C					.30	YES		14	
			E1					.30	YES			

SIZE	CODE IDENT NO.			
A	99974	2900656		
SCALE-NONE	REV LTR	C	SHEET 11 OF 17	

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 85	3		K1-4					.30	YES		9	
			E1					.30	YES			
AA 86	1		T1-5					.30	YES		13	
			CR4-3					.30	YES		16	
AA 87	1		T1-6					.30	YES		13	
			CR4-1					.30	YES		16	
AA 88	2		T1-7					.30	YES		13	
			CR3-3					.30	YES		16	
AA 89	2		T1-8					.30	YES		13	
			CR3-1					.30	YES		16	
AA 90	4		TB1-17									
			TB1-24									
AA 91	1		TB1-17					.30	YES			
			TB1-41					.30	YES			
AA 92	4		TB1-23									
			TB1-24									
AA 93	4		TB1-28									
			TB1-32									
AA 94	1		TB1-30					.30	YES			
			TB1-60					.30	YES			
AA 95	4		TB1-31									
			TB1-32									
AA 96	1		TB1-31					.30	YES			
			TB1-50					.30	YES			

SIZE	CODE IDENT NO.			
A	99974	2900656		
SCALE-NONE	REV LTR	C	SHEET 12 OF 17	

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 97	1		TB1-33					.30	YES			
			TB1-52					.30	YES			
AA 98	1		TB1-34					.30	YES			
			TB1-37					.30	YES			
AA 99	1		TB1-38					.30	YES			
			TB1-40					.30	YES			
AA 100	4		TB1-41									
			TB1-42									
AA 101	1		TB1-42					.30	YES			
			TB1-50					.30	YES			
AA 102	1		TB1-39					.30	YES			
			TB1-45					.30	YES			
AA 103	4		TB1-48									
			TB1-49									
AA 104	1		TB1-43					.30	YES			
			TB1-44					.30	YES			
AA 105	1		TB3-31					.30	YES			
			TB3-47					.30	YES			
AA 106	1		TB2-1					.30	YES			
			TB2-16					.30	YES			
AA 107	1		TB2-6					.30	YES			
			TB2-28					.30	YES			
AA 108	4		TB2-8									
			TB2-17									

SIZE	CODE IDENT NO.			
A	99974	2900656		
SCALE-NONE	REV LTR	C	SHEET 13 OF 17	

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 109	4		TB2-23 TB2-27									
AA 110	4		TB2-23 TB2-28									
AA 111	4		TB2-26 TB2-27									
AA 112	1		TB2-26 TB2-54					.30 .30	YES YES			
AA 113	1		TB2-32 TB2-48					.30 .30	YES YES			
AA 114	4		TB2-40 TB2-41									
AA 115	1		TB2-41 TB2-50					.30 .30	YES YES			
AA 116	4		TB2-53 TB2-54									
AA 117	4		TB2-54 TB2-55									
AA 118	4		TB3-7 TB3-8									
AA 119	4		TB3-14 TB3-15									
AA 120	4		TB3-15 TB3-16									

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 14 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 121	1		TB3-19 TB3-32					.30 .30	YES YES			
AA 122	1		TB3-23 TB3-33					.30 .30	YES YES			
AA 123	4		TB3-26 TB3-27									
AA 124	4		TB3-27 TB3-28									
AA 125	4		TB3-28 TB3-29									
AA 126	4		TB3-29 TB3-30									
AA 127	4		TB3-41 TB3-42									
AA 128	2		J4-D TP2					.20 .30	NO YES			
AA 129	2		J4-U TP4					.20 .30	NO YES			
AA 130	2		J4-E TP3					.20 .30	NO YES			
AA 131	2		J4-F TP3					.20 .30	NO YES			
AA 132	4		E28 E29									

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 15 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 133	1		E28 E31					.30 .20	YES NO		 8	
AA 134	1		K8-5 K8-7					.30 .30	YES YES			
AA 135			DELETED									
AA 136	1		K13-5 K13-7					.30 .30	YES YES			
AA 137	1		K14-5 K14-7					.30 .30	YES YES			
AA 138	1		K9-1 K9-7					.30 .30	YES YES		12	
AA 139	1		K13-3 K14-3					.30 .30	YES YES		12	
AA 140	1		K4-6 K5-4					.30 .30	YES YES		12	
AA 141			K8-8 K9-8					.30 .30	YES YES			
AA 142	3		K6-6 K7-6					.30 .30	YES YES		9 9	
AA 143	1		K6-3 K7-3					.30 .30	YES YES		9	
AA 144	1		K8-1 K9-1					.30 .30	YES YES			

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 16 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 145	1		K10-3 K11-7					.30 .30	YES YES			
AA 146	1		K10-8 K11-4					.30 .30	YES YES		12	
AA 147	1		K7-8 K16-3					.30 .30	YES YES		 12	
AA 148	4		E29 E30									
AA 149	1		J4-V E30					.20 .30	NO YES			
AA 150	1		J4-W E30					.20 .30	NO YES			
AA 151	1		J4-J E28					.20 .30	NO YES			
AA 152	1		TB2-6 TB2-2					.30 .30	YES YES			
AA 153	1		TB2-40 TB2-9					.30 .30	YES YES			

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 17 OF 17

MIL 2084 9-65

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900060-011	2900060-011	A	REVISED PER MXC 206401	27 OCT 65	W.A.
		B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.A.
		C	REVISED PER TDRR 25287	19 JAN 66	PLP
		D	REVISED PER TDRR 27967	15 MAR 66	R.W.T.

REV																	
SHEET																	
REV STATUS REV	D	C	D	C	C	C	C	C	C	C	D	C	C	C	C	C	C
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Turner DATE 23 AUG 65
CHECKED Fesler 27 SEP 65
APPROVAL B. Schlueter 28 SEP 65
APPROVAL Feldman 10/20/65

NASA APPROVAL A. C. METZGER
MIT APPROVAL W. Cooper K N 10/65

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET A-A,
ELECTRICAL

CODE IDENT NO.	SIZE		REV
99974	A	2900656	D

SCALE —

SHEET 1 OF 17

WIRE LIST AA 2900656 C

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 5 AND 7.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
5	APPLY LEAD IDENTIFICATION PER ND1002019.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 2 OF 17

WIRE LIST AA 2900656 D E

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900656-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 28.3 FT TOTAL LENGTH
	2	1	2900656-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 20 AWG, WHITE, 7 FT TOTAL LENGTH
	3	1	2900656-003	WIRE PER ND1002181, TYPE 1,CLASS 1, 16 AWG, WHITE, 9.5 FT TOTAL LENGTH
	4	1	2900656-004	WIRE, BUS, QQ-W-343 TYPE S, COATED (ES110-1) 22 AWG, 20 INCHES TOTAL LENGTH
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WRAP	QQ-S-571 (ES2175-3)
	7	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
3	8	4	1015902- 47	TERMINAL-LUG, CRIMP STYLE
3	9	8	1015864-135	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	10	2	1015864-137	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	11	9	1015864-139	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	12	9	1015864-140	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	13	5	1015864-162	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	14	2	1015864-163	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
~~3~~	~~15~~	~~1~~	~~1015864-226~~	~~INSULATION, SLEEVING, ELECTRICAL (CLEAR)~~
3	16	6	1015864-227	INSULATION, SLEEVING, ELECTRICAL (CLEAR)

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR D | SHEET 3 OF 17

WIRE LIST AA 2900656 C

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
3	17	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 4 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 1	1		XDS1-A					.30	YES			
			XDS1-B					.30	YES		11	
AA 2	1		XDS1-C					.30	YES			
			XDS1-D					.30	YES		11	
AA 3	1		XDS3-A					.30	YES			
			XDS3-B					.30	YES		11	
AA 4	1		XDS3-C					.30	YES			
			XDS3-D					.30	YES		11	
AA 5	1		XDS3-H					.30	YES		11	
			S7SW3-C					.30	YES			
AA 6	1		XDS3-H					.30	YES			
			J2-H					.20	NO			
AA 7	1		J1-A					.20	NO			
			E20					.30	YES			
AA 8	1		S7SW3-C					.30	YES			
			E20					.30	YES			
AA 9	1		XDS5-A					.30	YES			
			XDS5-C					.30	YES		11	
AA 10	1		XDS6-A					.30	YES			
			XDS6-C					.30	YES		11	
AA 11	3		S1A-1					.30	YES			
			J1-K					.25	NO			
AA 12	3		S1A-4					.30	YES			
			XF1-1					.30	YES			

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 5 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	4		S1A-4 S1A-5									
AA 14	4		S1A-5 S1A-6									
AA 15	3		S1A-7 J2-M					.30 .25	YES NO			
AA 16	4		S1A-10 S1A-11									
AA 17	4		S1A-11 S1A-12									
AA 18	2		S1A-10 XF2-1					.30 .30	YES YES			
AA 19	3		S1A-13 J2-J					.30 .25	YES NO			
AA 20	4		S1A-16 S1A-17									
AA 21	4		S1A-17 S1A-18									
AA 22	2		S1A-16 XF3-1					.30 .30	YES YES			
AA 23	4		S1A-21 S1A-22									
AA 24	4		S1A-22 S1A-23									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 6 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	4		S1A-23 S1A-24									
AA 26	1		S1B-1 J4-A					.30 .20	YES NO			
AA 27	4		S1B-3 S1B-4									
AA 28	4		S1B-4 S1B-5									
AA 29	4		S1B-5 S1B-6									
AA 30	1		S1B-7 S1B-20					.30 .30	YES YES			
AA 31	4		S1B-20 S1B-21									
AA 32	4		S1B-21 S1B-22									
AA 33	1		S1B-22 S6-1C					.30 .30	YES YES			
AA 34	4		S1B-11 S1B-12									
AA 35	1		S1B-13 M1-(+)					.30 .30	YES YES		12	
AA 36	4		S1B-14 S1B-15									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 7 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	4		S1B-15 S1B-16									
AA 38	1		S1B-19 R2-1					.30 .30	YES YES		10	
AA 39	1		S2-2C S3-2NC					.30 .30	YES YES			
AA 40	1		S3-2C S4-2NC					.30 .30	YES YES			
AA 41	1		S4-2C S5-1NC					.30 .30	YES YES			
AA 42	1		S5-1C S6-1NC					.30 .30	YES YES			
AA 43	1		S7SW2-NO TP2					.30 .30	YES YES			
AA 44	3		XF4-2 E21					.30 .30	YES YES			
AA 45	2		E21 J4-H					.30 .20	YES NO			
AA 46	2		E21 J4-R					.30 .20	YES NO			
AA 47	1		E21 TP3					.30 .30	YES YES			
AA 48	1		J3-K E29					.20 .30	NO YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 8 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	2		J2-L E29					.25 .30	NO YES			
AA 50	2		J1-M E28					.25 .30	NO YES			
AA 51			DELETED									
AA 52			DELETED									
AA 53	1		J1-D E23					.20 .30	NO YES			
AA 54	1		J3-A E23					.20 .30	NO YES			
AA 55	1		J1-E E24					.20 .30	NO YES			
AA 56	1		J3-H E24					.20 .30	NO YES			
AA 57	1		J1-F E25					.20 .30	NO YES			
AA 58	1		J3-G E25					.20 .30	NO YES			
AA 59	3		J1-L E26					.25 .30	NO YES			
AA 60	4		E26 E27									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 9 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 61	2		J4-L E26					.20 .30	NO YES			
AA 62	2		J4-N E26					.20 .30	NO YES			
AA 63	2		TP4 E27					.30 .30	YES YES			
AA 64	4		TP2 TP4									
AA 65	3		E2 C3-(-)					.30 .20	YES NO		 8	
AA 66	3		E17 C3-(+)					.30 .20	YES NO		 8	
AA 67	3		CR3-2 C3-(+)					.30 .20	YES NO		16 8	
AA 68	3		E17 K1-2					.30 .30	YES YES		 9	
AA 69	3		E17 K3-5					.30 .30	YES YES		 12	
AA 70	1		T1-4 K1-3					.30 .30	YES YES		 9	
AA 71	1		T1-1 K1-7					.30 .30	YES YES		 9	
AA 72	1		K1-6 E18					.30 .30	YES YES		9	

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 10 OF 17

WIRE LIST AA ▼ 2900656 D E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 73	1		E2 E18					.30 .30	YES YES			
AA 74	3		E2 CR3-4					.30 .30	YES YES		 16	
AA 75	3		E11 E15					.30 .30	YES YES			
~~AA 76~~	~~3~~		~~Q7-1~~ ~~E15~~					~~.30~~ ~~.30~~	~~YES~~ ~~YES~~		~~15~~	DELETED
AA 77	3		K3-2 E15					.30 .30	YES YES		12	
AA 78	3		R51-2 E15					.30 .30	YES YES		13	
AA 79	1		E12 CR23-C					.30 .30	YES YES		 10	
AA 80	1		K1-6 CR23-A					.30 .30	YES YES		 14	
AA 81	1		BT4-(-) BT5-(+)					.20 .20	NO NO		17 17	
AA 82	1		E8 K3-1					.30 .30	YES YES			
AA 83	1		K3-1 DS2-2					.30 .30	YES YES		12 11	
AA 84	3		CR1-C E1					.30 .30	YES YES		14	

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR D | SHEET 11 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 85	3		K1-4 E1					.30 .30	YES YES		9	
AA 86	1		T1-5 CR4-3					.30 .30	YES YES		13 16	
AA 87	1		T1-6 CR4-1					.30 .30	YES YES		13 16	
AA 88	2		T1-7 CR3-3					.30 .30	YES YES		13 16	
AA 89	2		T1-8 CR3-1					.30 .30	YES YES		13 16	
AA 90	4		TB1-17 TB1-24									
AA 91	1		TB1-17 TB1-41					.30 .30	YES YES			
AA 92	4		TB1-23 TB1-24									
AA 93	4		TB1-28 TB1-32									
AA 94	1		TB1-30 TB1-60					.30 .30	YES YES			
AA 95	4		TB1-31 TB1-32									
AA 96	1		TB1-31 TB1-50					.30 .30	YES YES			

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 12 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 97	1		TB1-33 TB1-52					.30 .30	YES YES			
AA 98	1		TB1-34 TB1-37					.30 .30	YES YES			
AA 99	1		TB1-38 TB1-40					.30 .30	YES YES			
AA 100	4		TB1-41 TB1-42									
AA 101	1		TB1-42 TB1-50					.30 .30	YES YES			
AA 102	1		TB1-39 TB1-45					.30 .30	YES YES			
AA 103	4		TB1-48 TB1-49									
AA 104	1		TB1-43 TB1-44					.30 .30	YES YES			
AA 105	1		TB3-31 TB3-47					.30 .30	YES YES			
AA 106	1		TB2-1 TB2-16					.30 .30	YES YES			
AA 107	1		TB2-6 TB2-28					.30 .30	YES YES			
AA 108	4		TB2-8 TB2-17									

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 13 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 109	4		TB2-23 TB2-27									
AA 110	4		TB2-23 TB2-28									
AA 111	4		TB2-26 TB2-27									
AA 112	1		TB2-26 TB2-54					.30 .30	YES YES			
AA 113	1		TB2-32 TB2-48					.30 .30	YES YES			
AA 114	4		TB2-40 TB2-41									
AA 115	1		TB2-41 TB2-50					.30 .30	YES YES			
AA 116	4		TB2-53 TB2-54									
AA 117	4		TB2-54 TB2-55									
AA 118	4		TB3-7 TB3-8									
AA 119	4		TB3-14 TB3-15									
AA 120	4		TB3-15 TB3-16									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 14 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 121	1		TB3-19 TB3-32					.30 .30	YES YES			
AA 122	1		TB3-23 TB3-33					.30 .30	YES YES			
AA 123	4		TB3-26 TB3-27									
AA 124	4		TB3-27 TB3-28									
AA 125	4		TB3-28 TB3-29									
AA 126	4		TB3-29 TB3-30									
AA 127	4		TB3-41 TB3-42									
AA 128	2		J4-D TP2					.20 .30	NO YES			
AA 129	2		J4-C TP4					.20 .30	NO YES			
AA 130	2		J4-E TP3					.20 .30	NO YES			
AA 131	2		J4-F TP3					.20 .30	NO YES			
AA 132	4		E28 E29									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 15 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 133	1		E28 E31					.30 .20	YES NO		8	
AA 134	1		K8-5 K8-7					.30 .30	YES YES			
AA 135			DELETED									
AA 136	1		K13-5 K13-7					.30 .30	YES YES			
AA 137	1		K14-5 K14-7					.30 .30	YES YES			
AA 138	1		K9-1 K9-7					.30 .30	YES YES		12	
AA 139	1		K13-3 K14-3					.30 .30	YES YES		12	
AA 140	1		K4-6 K5-4					.30 .30	YES YES		12	
AA 141			K8-8 K9-8					.30 .30	YES YES			
AA 142	3		K6-6 K7-6					.30 .30	YES YES		9 9	
AA 143	1		K6-3 K7-3					.30 .30	YES YES		9	
AA 144	1		K8-1 K9-1					.30 .30	YES YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 16 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 145	1		K10-3 K11-7					.30 .30	YES YES			
AA 146	1		K10-8 K11-4					.30 .30	YES YES		12	
AA 147	1		K7-8 K16-3					.30 .30	YES YES		12	
AA 148	4		E29 E30									
AA 149	1		J4-V E30					.20 .30	NO YES			
AA 150	1		J4-W E30					.20 .30	NO YES			
AA 151	1		J4-J E28					.20 .30	NO YES			
AA 152	1		TB2-6 TB2-2					.30 .30	YES YES			
AA 153	1		TB2-40 TB2-9					.30 .30	YES YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 17 OF 17

MIL 2084 9-65

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206401	27 OCT 65	Taticek
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	
C	REVISED PER TDRR 25287	19 JAN 66	RLP
D	REVISED PER TDRR 27967	15 MAR 66	B.W.T.
E	REVISED PER TDRR-26978	16-MAR-66	B.

REV STATUS OF SHEETS																	
REV	E	C	D	C	C	C	C	C	C	E	D	C	C	C	C	C	C
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Turner DATE 23 AUG 65
CHECKED
APPROVAL B. Schlack 28 Oct 65
APPROVAL Helman 10/20/65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET A-A, ELECTRICAL

CODE IDENT NO. 99974
SIZE A
2900656
REV E

SCALE —
SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 5 AND 7.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
5	APPLY LEAD IDENTIFICATION PER ND1002019.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 2 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900656-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 28.3 FT TOTAL LENGTH
	2	1	2900656-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 20 AWG, WHITE, 7 FT TOTAL LENGTH
	3	1	2900656-003	WIRE PER ND1002181, TYPE 1,CLASS 1, 16 AWG, WHITE, 9.5 FT TOTAL LENGTH
	4	1	2900656-004	WIRE, BUS, QQ-W-343 TYPE S, COATED (ES110-1) 22 AWG, 20 INCHES TOTAL LENGTH
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WRAP	QQ-S-571 (ES2175-3)
	7	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
3	8	4	1015902- 47	TERMINAL-LUG, CRIMP STYLE
3	9	8	1015864-135	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	10	2	1015864-137	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	11	9	1015864-139	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	12	9	1015864-140	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	13	5	1015864-162	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	14	2	1015864-163	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
~~3~~	~~15~~	~~1~~	~~1015864-226~~	~~INSULATION, SLEEVING, ELECTRICAL (CLEAR)~~
3	16	6	1015864-227	INSULATION, SLEEVING, ELECTRICAL (CLEAR)

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR ~~8~~ D	SHEET 3 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
3	17	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 4 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 1	1		XDS1-A XDS1-B					.30 .30	YES YES		 11	
AA 2	1		XDS1-C XDS1-D					.30 .30	YES YES		 11	
AA 3	1		XDS3-A XDS3-B					.30 .30	YES YES		 11	
AA 4	1		XDS3-C XDS3-D					.30 .30	YES YES		 11	
AA 5	1		XDS3-H S7SW3-C					.30 .30	YES YES		11	
AA 6	1		XDS3-H J2-H					.30 .20	YES NO			
AA 7	1		J1-A E20					.20 .30	NO YES			
AA 8	1		S7SW3-C E20					.30 .30	YES YES			
AA 9	1		XDS5-A XDS5-C					.30 .30	YES YES		 11	
AA 10	1		XDS6-A XDS6-C					.30 .30	YES YES		 11	
AA 11	3		S1A-1 J1-K					.30 .25	YES NO			
AA 12	3		S1A-4 XF1-1					.30 .30	YES YES			

SIZE	CODE IDENT NO.	
A	99974	2900656
SCALE-NONE	REV LTR C	SHEET 5 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	4		S1A-4 S1A-5									
AA 14	4		S1A-5 S1A-6									
AA 15	3		S1A-7 J2-M					.30 .25	YES NO			
AA 16	4		S1A-10 S1A-11									
AA 17	4		S1A-11 S1A-12									
AA 18	2		S1A-10 XF2-1					.30 .30	YES YES			
AA 19	3		S1A-13 J2-J					.30 .25	YES NO			
AA 20	4		S1A-16 S1A-17									
AA 21	4		S1A-17 S1A-18									
AA 22	2		S1A-16 XF3-1					.30 .30	YES YES			
AA 23	4		S1A-21 S1A-22									
AA 24	4		S1A-22 S1A-23									

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 6 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	4		S1A-23 S1A-24									
AA 26	1		S1B-1 J4-A					.30 .20	YES NO			
AA 27	4		S1B-3 S1B-4									
AA 28	4		S1B-4 S1B-5									
AA 29	4		S1B-5 S1B-6									
AA 30	1		S1B-7 S1B-20					.30 .30	YES YES			
AA 31	4		S1B-20 S1B-21									
AA 32	4		S1B-21 S1B-22									
AA 33	1		S1B-22 S6-1C					.30 .30	YES YES			
AA 34	4		S1B-11 S1B-12									
AA 35	1		S1B-13 M1-(+)					.30 .30	YES YES		12	
AA 36	4		S1B-14 S1B-15									

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 7 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	4		S1B-15 S1B-16									
AA 38	1		S1B-19 R2-1					.30 .30	YES YES		10	
AA 39	1		S2-2C S3-2NC					.30 .30	YES YES			
AA 40	1		S3-2C S4-2NC					.30 .30	YES YES			
AA 41	1		S4-2C S5-1NC					.30 .30	YES YES			
AA 42	1		S5-1C S6-1NC					.30 .30	YES YES			
AA 43	1		S7SW2-NO TP2					.30 .30	YES YES			
AA 44	3		XF4-2 E21					.30 .30	YES YES			
AA 45	2		E21 J4-H					.30 .20	YES NO			
AA 46	2		E21 J4-R					.30 .20	YES NO			
AA 47	1		E21 TP3					.30 .30	YES YES			
AA 48	1		J3-K E29					.20 .30	NO YES			

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 8 OF 17

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	2		J2-L E29					.25 .30	NO YES			
AA 50	2		J1-M E28					.25 .30	NO YES			
AA 51			DELETED									
AA 52			DELETED									
AA 53	1		J1-D E23					.20 .30	NO YES			
AA 54	1		J3-A E23					.20 .30	NO YES			
AA 55	1		J1-E E24					.20 .30	NO YES			
AA 56	1		J3-H E24					.20 .30	NO YES			
AA 57	1		J1-F E25					.20 .30	NO YES			
AA 58	1		J3-G E25					.20 .30	NO YES			
AA 59	3		J1-L E26					.25 .30	NO YES			
AA 60	4		E26 E27									

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 9 OF 17

WIRE LIST AA 2900656 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 61	2		J4-L E26					.20 .30	NO YES			
AA 62	2		J4-N E26					.20 .30	NO YES			
AA 63	2		TP4 E27					.30 .30	YES YES			
AA 64	4		TP2 TP4									
AA 65	3		E2 C3-(-)					.30 .20	YES NO		 8	
AA 66	3		E17 C3-(+)					.30 .20	YES NO		 8	
AA 67	3		CR3-2 C3-(+)					.30 .20	YES NO		16 8	
AA 68	3		E17 K1-2					.30 .30	YES YES		 9	
AA 69	3		E17 K3-5					.30 .30	YES YES		 12	
AA 70	1		T1-3 K1-3					.30 .30	YES YES		 9	
AA 71	1		T1-1 K1-7					.30 .30	YES YES		 9	
AA 72	1		K1-6 E18					.30 .30	YES YES		9	

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR E | SHEET 10 OF 17

WIRE LIST AA 2900656 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 73	1		E2 E18					.30 .30	YES YES			
AA 74	3		E2 CR3-4					.30 .30	YES YES		 16	
AA 75	3		E11 E15					.30 .30	YES YES			
~~AA 76~~	~~3~~		~~Q7-1~~ ~~E15~~					~~.30~~ ~~.30~~	~~YES~~ ~~YES~~		~~15~~	DELETED
AA 77	3		K3-2 E15					.30 .30	YES YES		12	
AA 78	3		R51-2 E15					.30 .30	YES YES		13	
AA 79	1		E12 CR23-C					.30 .30	YES YES		 10	
AA 80	1		K1-6 CR23-A					.30 .30	YES YES		 14	
AA 81	1		BT4-(-) BT5-(+)					.20 .20	NO NO		17 17	
AA 82	1		E8 K3-1					.30 .30	YES YES			
AA 83	1		K3-1 DS2-2					.30 .30	YES YES		12 11	
AA 84	3		CR1-C E1					.30 .30	YES YES		14	

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR D | SHEET 11 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 85	3		K1-4 E1					.30 .30	YES YES		9	
AA 86	1		T1-5 CR4-3					.30 .30	YES YES		13 16	
AA 87	1		T1-6 CR4-1					.30 .30	YES YES		13 16	
AA 88	2		T1-7 CR3-3					.30 .30	YES YES		13 16	
AA 89	2		T1-8 CR3-1					.30 .30	YES YES		13 16	
AA 90	4		TB1-17 TB1-24									
AA 91	1		TB1-17 TB1-41					.30 .30	YES YES			
AA 92	4		TB1-23 TB1-24									
AA 93	4		TB1-28 TB1-32									
AA 94	1		TB1-30 TB1-60					.30 .30	YES YES			
AA 95	4		TB1-31 TB1-32									
AA 96	1		TB1-31 TB1-50					.30 .30	YES YES			

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 12 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 97	1		TB1-33 TB1-52					.30 .30	YES YES			
AA 98	1		TB1-34 TB1-37					.30 .30	YES YES			
AA 99	1		TB1-38 TB1-40					.30 .30	YES YES			
AA 100	4		TB1-41 TB1-42									
AA 101	1		TB1-42 TB1-50					.30 .30	YES YES			
AA 102	1		TB1-39 TB1-45					.30 .30	YES YES			
AA 103	4		TB1-48 TB1-49									
AA 104	1		TB1-43 TB1-44					.30 .30	YES YES			
AA 105	1		TB3-31 TB3-47					.30 .30	YES YES			
AA 106	1		TB2-1 TB2-16					.30 .30	YES YES			
AA 107	1		TB2-6 TB2-28					.30 .30	YES YES			
AA 108	4		TB2-8 TB2-17									

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 13 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 109	4		TB2-23									
			TB2-27									
AA 110	4		TB2-23									
			TB2-28									
AA 111	4		TB2-26									
			TB2-27									
AA 112	1		TB2-26					.30	YES			
			TB2-54					.30	YES			
AA 113	1		TB2-32					.30	YES			
			TB2-46					.30	YES			
AA 114	4		TB2-40									
			TB2-41									
AA 115	1		TB2-41					.30	YES			
			TB2-50					.30	YES			
AA 116	4		TB2-53									
			TB2-54									
AA 117	4		TB2-54									
			TB2-55									
AA 118	4		TB3-7									
			TB3-8									
AA 119	4		TB3-14									
			TB3-15									
AA 120	4		TB3-15									
			TB3-16									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 14 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 121	1		TB3-19					.30	YES			
			TB3-32					.30	YES			
AA 122	1		TB3-23					.30	YES			
			TB3-33					.30	YES			
AA 123	4		TB3-26									
			TB3-27									
AA 124	4		TB3-27									
			TB3-28									
AA 125	4		TB3-28									
			TB3-29									
AA 126	4		TB3-29									
			TB3-30									
AA 127	4		TB3-41									
			TB3-42									
AA 128	2		J4-D					.20	NO			
			TP2					.30	YES			
AA 129	2		J4-U					.20	NO			
			TP4					.30	YES			
AA 130	2		J4-E					.20	NO			
			TP3					.30	YES			
AA 131	2		J4-F					.20	NO			
			TP3					.30	YES			
AA 132	4		E28									
			E29									

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 15 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 133	1		E28					.30	YES			
			E31					.20	NO		8	
AA 134	1		K8-5					.30	YES			
			K8-7					.30	YES			
AA 135			DELETED									
AA 136	1		K13-5					.30	YES			
			K13-7					.30	YES			
AA 137	1		K14-5					.30	YES			
			K14-7					.30	YES			
AA 138	1		K9-1					.30	YES		12	
			K9-7					.30	YES			
AA 139	1		K13-3					.30	YES		12	
			K14-3					.30	YES			
AA 140	1		K4-6					.30	YES		12	
			K5-4					.30	YES			
AA 141			K8-8					.30	YES			
			K9-8					.30	YES			
AA 142	3		K6-6					.30	YES		9	
			K7-6					.30	YES		9	
AA 143	1		K6-3					.30	YES		9	
			K7-3					.30	YES			
AA 144	1		K8-1					.30	YES			
			K9-1					.30	YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 16 OF 17

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 145	1		K10-3					.30	YES			
			K11-7					.30	YES			
AA 146	1		K10-8					.30	YES		12	
			K11-4					.30	YES			
AA 147	1		K7-8					.30	YES			
			K16-3					.30	YES		12	
AA 148	4		E29									
			E30									
AA 149	1		J4-V					.20	NO			
			E30					.30	YES			
AA 150	1		J4-W					.20	NO			
			E30					.30	YES			
AA 151	1		J4-J					.20	NO			
			E28					.30	YES			
AA 152	1		TB2-6					.30	YES			
			TB2-2					.30	YES			
AA 153	1		TB2-40					.30	YES			
			TB2-9					.30	YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 17 OF 17

APPLICATION	
NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206401	27 OCT 65	W.D.
B	INITIAL RELEASE CLASS A PER TDRR 24042	29 OCT 65	W.D.
C	REVISED PER TDRR 25287	19 JAN 66	RLP
D	REVISED PER TDRR 27967	15 MAR 66	B.W.T.
E	REVISED PER TDRR- 26978	16-MAR-66	B.
F	REVISED PER TDRR 27249	24 MAR 66	RLP

REV STATUS OF SHEETS																	
REV	F	C	F	F	C	C	C	C	C	F	D	C	C	C	C	C	C
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Turner DATE 23 AUG 65
CHECKED Fesler 27 SEP 65
APPROVAL B. Schlegel 28 SEP 65
APPROVAL C. Gelman 10/20/65

NASA APPROVAL A. C. METZGER
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET A-A,
ELECTRICAL

CODE IDENT NO.	SIZE		REV
99974	A	2900656	F

SCALE ——

SHEET 1 OF 17

WIRE LIST AA ▼ 2900656 C

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 5 AND 7.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
5	APPLY LEAD IDENTIFICATION PER ND1002019.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 2 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900656-001	WIRE PER ND1002181, TYPE 1, CLASS 1, 22 AWG, WHITE, 28.3 FT TOTAL LENGTH
	2	1	2900656-002	WIRE PER ND1002181, TYPE 1, CLASS 1, 20 AWG, WHITE, 7 FT TOTAL LENGTH
	3	1	2900656-003	WIRE PER ND1002181, TYPE 1,CLASS 1, 16 AWG, WHITE, 9.5 FT TOTAL LENGTH
	4	1	2900656-004	WIRE, BUS, QQ-W-343 TYPE S, COATED (ES110-1) 22 AWG, 20 INCHES TOTAL LENGTH
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WRAP	QQ-S-571 (ES2175-3)
	7	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
3	8	1	1015902- 47	TERMINAL-LUG, CRIMP STYLE
3	9	8	1015864-135	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	10	2	1015864-137	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	11	9	1015864-139	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	12	9	1015864-140	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	13	5	1015864-162	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
3	14	2	1015864-163	INSULATION, SLEEVING, ELECTRICAL (CLEAR)
	15		1015864-226	DELETED
3	16	6	1015864-227	INSULATION, SLEEVING, ELECTRICAL (CLEAR)

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR F
SHEET 3 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
3	17	2	1015902- 45	TERMINAL-LUG, CRIMP STYLE
3	18	3	1015902- 3	TERMINAL-LUG, CRIMP STYLE

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR F
SHEET 4 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	1	1		XDS1-A XDS1-B					.30 .30	YES YES		 11	
AA	2	1		XDS1-C XDS1-D					.30 .30	YES YES		 11	
AA	3	1		XDS3-A XDS3-B					.30 .30	YES YES		 11	
AA	4	1		XDS3-C XDS3-D					.30 .30	YES YES		 11	
AA	5	1		XDS3-H S7SW3-C					.30 .30	YES YES		11	
AA	6	1		XDS3-H J2-H					.30 .20	YES NO			
AA	7	1		J1-A E20					.20 .30	NO YES			
AA	8	1		S7SW3-C E20					.30 .30	YES YES			
AA	9	1		XDS5-A XDS5-C					.30 .30	YES YES		 11	
AA	10	1		XDS6-A XDS6-C					.30 .30	YES YES		 11	
AA	11	3		S1A-1 J1-K					.30 .25	YES NO			
AA	12	3		S1A-4 XF1-1					.30 .30	YES YES			

SIZE A
CODE IDENT NO. 99974
2900656
SCALE-NONE
REV LTR C
SHEET 5 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	4		S1A-4 S1A-5									
AA 14	4		S1A-5 S1A-6									
AA 15	3		S1A-7 J2-M					.30 .25	YES NO			
AA 16	4		S1A-10 S1A-11									
AA 17	4		S1A-11 S1A-12									
AA 18	2		S1A-10 XF2-1					.30 .30	YES YES			
AA 19	3		S1A-13 J2-J					.30 .25	YES NO			
AA 20	4		S1A-16 S1A-17									
AA 21	4		S1A-17 S1A-18									
AA 22	2		S1A-16 XF3-1					.30 .30	YES YES			
AA 23	4		S1A-21 S1A-22									
AA 24	4		S1A-22 S1A-23									

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 6 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	4		S1A-23 S1A-24									
AA 26	1		S1B-1 J4-A					.30 .20	YES NO			
AA 27	4		S1B-3 S1B-4									
AA 28	4		S1B-4 S1B-5									
AA 29	4		S1B-5 S1B-6									
AA 30	1		S1B-7 S1B-20					.30 .30	YES YES			
AA 31	4		S1B-20 S1B-21									
AA 32	4		S1B-21 S1B-22									
AA 33	1		S1B-22 S6-1C					.30 .30	YES YES			
AA 34	4		S1B-11 S1B-12									
AA 35	1		S1B-13 M1-(+)					.30 .30	YES YES		12	
AA 36	4		S1B-14 S1B-15									

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 7 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	4		S1B-15 S1B-16									
AA 38	1		S1B-19 R2-1					.30 .30	YES YES		10	
AA 39	1		S2-2C S3-2NC					.30 .30	YES YES			
AA 40	1		S3-2C S4-2NC					.30 .30	YES YES			
AA 41	1		S4-2C S5-1NC					.30 .30	YES YES			
AA 42	1		S5-1C S6-1NC					.30 .30	YES YES			
AA 43	1		S7SW2-NO TP2					.30 .30	YES YES			
AA 44	3		XF4-2 E21					.30 .30	YES YES			
AA 45	2		E21 J4-H					.30 .20	YES NO			
AA 46	2		E21 J4-R					.30 .20	YES NO			
AA 47	1		E21 TP3					.30 .30	YES YES			
AA 48	1		J3-K E29					.20 .30	NO YES			

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 8 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	2		J2-L E29					.25 .30	NO YES			
AA 50	2		J1-M E28					.25 .30	NO YES			
AA 51			DELETED									
AA 52			DELETED									
AA 53	1		J1-D E23					.20 .30	NO YES			
AA 54	1		J3-A E23					.20 .30	NO YES			
AA 55	1		J1-E E24					.20 .30	NO YES			
AA 56	1		J3-H E24					.20 .30	NO YES			
AA 57	1		J1-F E25					.20 .30	NO YES			
AA 58	1		J3-G E25					.20 .30	NO YES			
AA 59	3		J1-L E26					.25 .30	NO YES			
AA 60	4		E26 E27									

SIZE A | CODE IDENT NO. 99974 | 2900656
SCALE-NONE | REV LTR C | SHEET 9 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 61	2		J4-L E26					.20 .30	NO YES			
AA 62	2		J4-N E26					.20 .30	NO YES			
AA 63	2		TP4 E27					.30 .30	YES YES			
AA 64	4		TP2 TP4									
AA 65	3		E2 C3-(-)					.30 .20	YES NO		 18	
AA 66	3		E17 C3-(+)					.30 .20	YES NO		 18	
AA 67	3		CR3-2 C3-(+)					.30 .20	YES NO		16 18	
AA 68	3		E17 K1-2					.30 .30	YES YES		 9	
AA 69	3		E17 K3-5					.30 .30	YES YES		 12	
AA 70	1		T1-3 K1-3					.30 .30	YES YES		 9	
AA 71	1		T1-1 K1-7					.30 .30	YES YES		 9	
AA 72	1		K1-6 E18					.30 .30	YES YES		9	

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR F | SHEET 10 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 D ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 73	1		E2 E18					.30 .30	YES YES			
AA 74	3		E2 CR3-4					.30 .30	YES YES		 16	
AA 75	3		E11 E15					.30 .30	YES YES			
~~AA 76~~	~~3~~		~~B7-1~~ ~~E15~~					~~.30~~ ~~.30~~	~~YES~~ ~~YES~~		~~15~~	DELETED
AA 77	3		K3-2 E15					.30 .30	YES YES		12	
AA 78	3		R51-2 E15					.30 .30	YES YES		13	
AA 79	1		E12 CR23-C					.30 .30	YES YES		 10	
AA 80	1		K1-6 CR23-A					.30 .30	YES YES		 14	
AA 81	1		BT4-(-) BT5-(+)					.20 .20	NO NO		17 17	
AA 82	1		E8 K3-1					.30 .30	YES YES			
AA 83	1		K3-1 DS2-2					.30 .30	YES YES		12 11	
AA 84	3		CR1-C E1					.30 .30	YES YES		14	

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR D | SHEET 11 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 85	3		K1-4 E1					.30 .30	YES YES		9	
AA 86	1		T1-5 CR4-3					.30 .30	YES YES		13 16	
AA 87	1		T1-6 CR4-1					.30 .30	YES YES		13 16	
AA 88	2		T1-7 CR3-3					.30 .30	YES YES		13 16	
AA 89	2		T1-8 CR3-1					.30 .30	YES YES		13 16	
AA 90	4		TB1-17 TB1-24									
AA 91	1		TB1-17 TB1-41					.30 .30	YES YES			
AA 92	4		TB1-23 TB1-24									
AA 93	4		TB1-28 TB1-32									
AA 94	1		TB1-30 TB1-60					.30 .30	YES YES			
AA 95	4		TB1-31 TB1-32									
AA 96	1		TB1-31 TB1-50					.30 .30	YES YES			

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 12 OF 17

MIL 2084 9-65

WIRE LIST AA ▼ 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 97	1		TB1-33 TB1-52					.30 .30	YES YES			
AA 98	1		TB1-34 TB1-37					.30 .30	YES YES			
AA 99	1		TB1-38 TB1-40					.30 .30	YES YES			
AA 100	4		TB1-41 TB1-42									
AA 101	1		TB1-42 TB1-50					.30 .30	YES YES			
AA 102	1		TB1-39 TB1-45					.30 .30	YES YES			
AA 103	4		TB1-48 TB1-49									
AA 104	1		TB1-43 TB1-44					.30 .30	YES YES			
AA 105	1		TB3-31 TB3-47					.30 .30	YES YES			
AA 106	1		TB2-1 TB2-16					.30 .30	YES YES			
AA 107	1		TB2-6 TB2-28					.30 .30	YES YES			
AA 108	4		TB2-8 TB2-17									

SIZE A | CODE IDENT NO. 99974 | 2900656

SCALE-NONE | REV LTR C | SHEET 13 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 109	4		TB2-23 TB2-27									
AA 110	4		TB2-23 TB2-28									
AA 111	4		TB2-26 TB2-27									
AA 112	1		TB2-26 TB2-54					.30 .30	YES YES			
AA 113	1		TB2-32 TB2-48					.30 .30	YES YES			
AA 114	4		TB2-40 TB2-41									
AA 115	1		TB2-41 TB2-50					.30 .30	YES YES			
AA 116	4		TB2-53 TB2-54									
AA 117	4		TB2-54 TB2-55									
AA 118	4		TB3-7 TB3-8									
AA 119	4		TB3-14 TB3-15									
AA 120	4		TB3-15 TB3-16									

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 14 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 121	1		TB3-19 TB3-32					.30 .30	YES YES			
AA 122	1		TB3-23 TB3-33					.30 .30	YES YES			
AA 123	4		TB3-26 TB3-27									
AA 124	4		TB3-27 TB3-28									
AA 125	4		TB3-28 TB3-29									
AA 126	4		TB3-29 TB3-30									
AA 127	4		TB3-41 TB3-42									
AA 128	2		J4-D TP2					.20 .30	NO YES			
AA 129	2		J4-U TP4					.20 .30	NO YES			
AA 130	2		J4-E TP3					.20 .30	NO YES			
AA 131	2		J4-F TP3					.20 .30	NO YES			
AA 132	4		E28 E29									

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 15 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 133	1		E28 E31					.30 .20	YES NO		8	
AA 134	1		K8-5 K8-7					.30 .30	YES YES			
AA 135			DELETED									
AA 136	1		K13-5 K13-7					.30 .30	YES YES			
AA 137	1		K14-5 K14-7					.30 .30	YES YES			
AA 138	1		K9-1 K9-7					.30 .30	YES YES		12	
AA 139	1		K13-3 K14-3					.30 .30	YES YES		12	
AA 140	1		K4-6 K5-4					.30 .30	YES YES		12	
AA 141			K8-8 K9-8					.30 .30	YES YES			
AA 142	3		K6-6 K7-6					.30 .30	YES YES		9 9	
AA 143	1		K6-3 K7-3					.30 .30	YES YES		9	
AA 144	1		K8-1 K9-1					.30 .30	YES YES			

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 16 OF 17

MIL 2084 9-65

WIRE LIST AA 2900656 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 145	1		K10-3 K11-7					.30 .30	YES YES			
AA 146	1		K10-8 K11-4					.30 .30	YES YES		12	
AA 147	1		K7-8 K16-3					.30 .30	YES YES		12	
AA 148	4		E29 E30									
AA 149	1		J4-V E30					.20 .30	NO YES			
AA 150	1		J4-W E30					.20 .30	NO YES			
AA 151	1		J4-J E28					.20 .30	NO YES			
AA 152	1		TB2-6 TB2-2					.30 .30	YES YES			
AA 153	1		TB2-40 TB2-9					.30 .30	YES YES			

SIZE	CODE IDENT NO.		
A	99974	2900656	
SCALE-NONE	REV LTR	C	SHEET 17 OF 17

MIL 2084 9-65

DO
60944

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV. A WITH CHANGE PER MXC 206466 PER TDRR	3 NOV. 65	JWP AU
		C	REVISED PER MXC207371	9 DEC 65	R JHK
		D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP

Ⓑ **REPLACES REV "A" WITH CHANGE**

Chr. Cestm.
2 SEP 65
AC ONLY

REV															
SHEET															
REV STATUS	REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.B. Blake DATE 24 AUG 65
CHECKED Fesler 2 SEP 65
APPROVAL E Swanson 2 Sept 65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W149

NASA APPROVAL a. McGregor / RTS
MIT APPROVAL W 20 Dec 65

CODE IDENT NO. 99974
SIZE A
2900658
REV D

CONTRACT NAS9-497
SCALE NONE
SHEET 1 OF 14

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	DELETED
9	ITEM 5, FURNISHED WITH ITEM 3.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER.
11	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 19 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR D	SHEET 2 OF 14

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	SECURE TO CABLE USING ITEM 18. MARKING TO READ AWAY FROM CONNECTOR
14	SERIALIZE PER ND1002023
15	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.
16	LOCATE ITEM 14 ADJACENT TO ITEMS 9 AND 10, AND ITEM 13 ADJACENT TO ITEM 10.
17	ASSEMBLE PER ND1002032

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR D	SHEET 3 OF 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900658-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 138 FT TOTAL LG.
	2	1	2900658-002	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 45 FEET TOTAL LENGTH
7	3	1	1897250-001	CONNECTOR PLUG, ELEC.
7	4	1	1010933-105	CLAMP, STRAIN RELIEF
7	5		1897190- 1	CONTACT PIN
	6		1010958- 1	DELETED
	7	1	2900880-011	CONNECTOR PLUG, ELEC
7	8	38	1897300-002	CONTACT, ELECTRICAL - SPRING SOCKET
7	9	2	1010763- 1	SOLDER SLEEVE
7	10	10	1010763- 2	SOLDER SLEEVE
7	13	38	1010490-228	INSULATION SLEEVING, ELEC.
7	14	4	1010490-232	INSULATION SLEEVING, ELEC.
7	15	1	1016128-011	IDENTIFICATION BAND
7	16	2	1016128-041	IDENTIFICATION BAND
	17	1	2900658-003	ZIPPER TUBING PER ND1002155, TYPE 1, ZTZ, GRAY, 1.00 DIA., 6 FT. TOTAL LENGTH
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, BLACK (ES2732 NO. 18)

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR D	SHEET 4 OF 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	19	AR	1901390	FILLER TAPE
7	20	38	1015864-232	INSULATION SLEEVING, ELEC.
7	21	1	1016282- 18	GROMMET, RUBBER
	22	1	2900658-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22 AWG, WHT/BLU, WHT/RED, WHT/YEL, 6 FT. TOTAL LG.

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR D	SHEET 5 OF 14

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ℓD

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A	1A	2		SHLD A1 E1					.25 .25	NO NO			
A	1L			P1-38 P2-B23					.15 .18	NO NO		5 8	
A	1R			P1-37 P2-A23					.15 .18	NO NO		5 8	
A	2	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A	2A	2		SHLD A2 E1					.25 .25	NO NO			
A	2L			P1-40 P2-A22					.15 .18	NO NO		5 8	
A	2R			P1-39 P2-B22					.15 .18	NO NO		5 8	
A	3	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A	3A	2		SHLD A3 E1					.25 .25	NO NO			
A	3L			P1-42 P2-B21					.15 .18	NO NO		5 8	
A	3R			P1-41 P2-A21					.15 .18	NO NO		5 8	

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ℓD	SHEET 6 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ℓD

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A	4A	2		SHLD A4 E1					.25 .25	NO NO			
A	4L			P1-49 P2-C15					.15 .18	NO NO		5 8	
A	4R			P1-46 P2-B15					.15 .18	NO NO		5 8	
A	5	1				2.80 2.80	2.50 2.50				A,6A B,7	10, 13 13	
A	5A	2		SHLD A5 E2					.25 .25	NO NO			
A	5L			P1-48 P2-C16					.15 .18	NO NO		5 8	
A	5R			P1-47 P2-B16					.15 .18	NO NO		5 8	
A	6	1				2.80 2.80	2.50 2.50				A,6A B,7	10, 13 13	
A	6A	2		SHLD A6 E2					.25 .25	NO NO			
A	6L			P1-32 P2-K6					.15 .18	NO NO		5 8	
A	6R			P1-31 P2-K7					.15 .18	NO NO		5 8	

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ℓD	SHEET 7 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ℓD

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FRCM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A	7L			P1-2 P2-F24					.15 .18	NO NO		5 8	
A	7R			P1-1 P2-F25					.15 .18	NO NO		5 8	
A	8	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A	8L			P1-4 P2-G25					.15 .18	NO NO		5 8	
A	8R			P1-3 P2-G24					.15 .18	NO NO		5 8	
A	9	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A	9L			P1-6 P2-H24					.15 .18	NO NO		5 8	
A	9R			P1-5 P2-H25					.15 .18	NO NO		5 8	
A	10			DELETED									
A	1CL			DELETED									
A	10R			DELETED									

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ℓD	SHEET 8 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ℓD

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11			DELETED									
A	11L			DELETED									
A	11R			DELETED									
A	12			DELETED									
A	12L			DELETED									
A	12R			DELETED									
A	13	1				3.30 3.30	3.00 3.00				B,7 B,7	13 13	
A	13L			P1-30 P2-K22					.15 .18	NO NO		5 8	
A	13R			P1-29 P2-K23					.15 .18	NO NO		5 8	
A	14	1				3.30 3.30	3.00 3.00				A,6A B,7	10, 13 13	
A	14A	2		SHLD A14 E2					.25 .25	NO NO			
A	14L			P1-35 P2-K5					.15 .18	NO NO		5 8	

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ℓD	SHEET 9 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 0D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14R			P1-34 P2-H5					.15 .18	NO NO		5 8	
A 15	1				3.30 3.30	3.00 3.00				8,7 8,7	13 13	
A 15L			P1-24 P2-C25					.15 .18	NO NO		5 8	
A 15R			P1-23 P2-B25					.15 .18	NO NO		5 8	
A 16	1				3.30 3.30	3.00 3.00				8,7 8,7	13 13	
A 16L			P1-26 P2-C24					.15 .18	NO NO		5 8	
A 16R			P1-25 P2-C23					.15 .18	NO NO		5 8	
A 17			DELETED									
A 18	1				3.80 3.80	3.50 3.50				A,6B 8,7	10, 13 13	
A 18A	2		SHLD A18 E2					.25 .15	NO NO		 5	
A 18L			P1-74 P2-K4					.15 .18	NO NO		5 8	
A 18R			P1-73 P2-K3					.15 .18	NO NO		5 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE REV LTR 0D SHEET 10 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 0D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19	1				3.80 3.80	3.50 3.50				8,7 8,7	13 13	
A 19L			P1-77 P2-B20					.15 .18	NO NO		5 8	
A 19R			P1-76 P2-A20					.15 .18	NO NO		5 8	
A 20	1				3.80 3.80	3.50 3.50				8,7 8,7	13 13	
A 20L			P1-66 E4					.15 .25	NO NO		5	
A 20R			P1-65 P2-K20					.15 .18	NO NO		5 8	
A 21	1				3.80 3.80	3.50 3.50				8,7 8,7	13 13	
A 21L			P1-68 E4					.15 .25	NO NO		5	
A 21R			P1-67 P2-H19					.15 .18	NO NO		5 8	
A 22	1				3.80 3.80	3.50 3.50				8,7 8,7	13 13	
A 22L			P1-70 E4					.15 .25	NO NO		5	
A 22R			P1-69 P2-K18					.15 .18	NO NO		5 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE REV LTR 0D SHEET 11 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 0D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23	2		E1 E3					.25 .25	NO NO			
A 24	2		E2 E3					.25 .25	NO NO			
A 25	2		E3 P1-63					.25 .15	NO NO		 5	
A 26	2		P1-27 P2-B24					.15 .18	NO NO		5 8	
A 27			DELETED									
A 28			DELETED									
A 28A			DELETED									
A 28L			DELETED									
A 28R			DELETED									
A 29			DELETED									
A 29A			DELETED									
A 29L			DELETED									

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE REV LTR 0D SHEET 12 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 0D

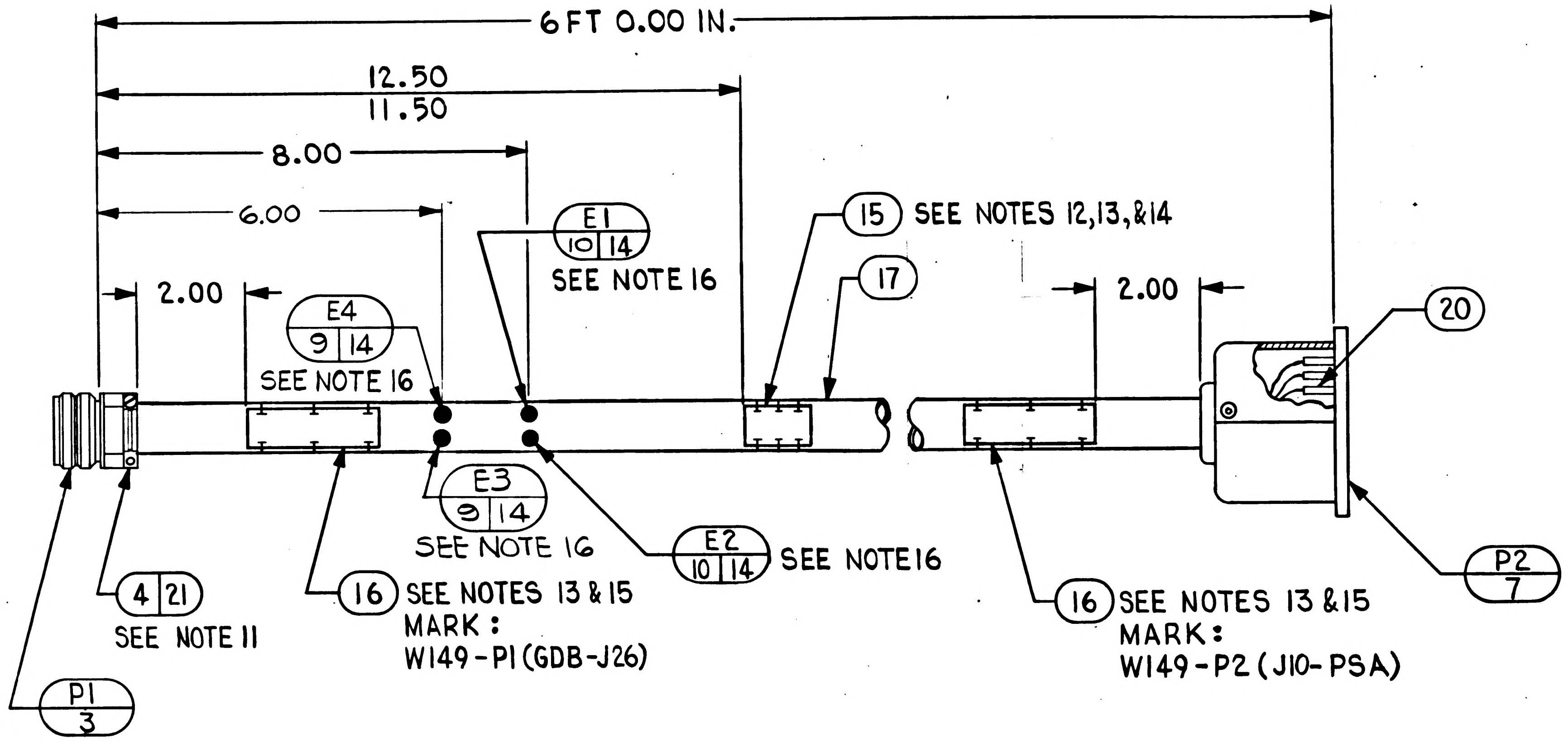
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29R			DELETED									
A 30	22				3.80 3.80	3.50 3.50				8,7 8,7	13 13	
A 30L			P1-9 P2-D18					.15 .18	NO NO		5 8	
A 30R			P1-8 P2-C18					.15 .18	NO NO		5 8	
A 30Y			P1-7 P2-C19					.15 .18	NO NO		5 8	
A 31	2		E4 P2-K21					.25 .18	NO NO		 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE REV LTR 0D SHEET 13 OF 14

MIL 2084 9-65

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.



6 FT 0.00 IN.
12.50
11.50
8.00
6.00
2.00
2.00
E1 10 14
SEE NOTE 16
E4 9 14
SEE NOTE 16
15 SEE NOTES 12,13,&14
17
20
E3 9 14
SEE NOTE 16
E2 10 14 SEE NOTE 16
4 21
SEE NOTE 11
16 SEE NOTES 13 & 15
MARK:
W149-P1 (GDB-J26)
16 SEE NOTES 13 & 15
MARK:
W149-P2 (J10-PSA)
P1 3
P2 7

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
ACSP PN
DRAWN R.K. Becker DATE 24 AUG 65
CHECKED Fesler 2 SEP 65
APPROVAL E. Swanson 2 Sept 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RTS (Phone Approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W149

CODE IDENT NO. 99974
SIZE C
2900658
SCALE 1:2
SHEET 14 OF 14

MIL 1077C-F

DO
60944

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV. A WITH CHANGE PER MXC 206466 PER TDRR	3 NOV. 65	JWP / AU
		C	REVISED PER MXC207371	9 DEC 65	R / JAK
	Ⓜ	D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
		E	REVISED PER TDRR 25761	7 FEB 66	J.H.P. / W.S.

Ⓑ REPLACES REV "A" WITH CHANGE

Charleston
2 SEP 65
AC ONLY

REV															
SHEET															
REV STATUS	REV	E	D	D	D	D	D	D	D	D	D	D	D	D	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.B. Blake DATE 24 AUG 65
CHECKED Fesler 2 SEP 65
APPROVAL E Swanson 2 Sept 65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W149

NASA APPROVAL a. Metzger / RTS
MIT APPROVAL W 20 Dec 65

CODE IDENT NO.	SIZE		REV
99974	A	2900658	E

CONTRACT NAS9-497
SCALE NONE
SHEET 1 OF 14

CABLE ASSEMBLY ~~W159~~ W149 2900658 ~~C~~D

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	DELETED
9	ITEM 5, FURNISHED WITH ITEM 3.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER.
11	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 19 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.		
A	99974	2900658	
SCALE-NONE	REV LTR ~~C~~D	SHEET 2 OF 14	

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W149 2900658 ~~C~~D

NOTE GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	SECURE TO CABLE USING ITEM 18. MARKING TO READ AWAY FROM CONNECTOR
14	SERIALIZE PER ND1002023
15	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.
16	LOCATE ITEM 14 ADJACENT TO ITEMS 9 AND 10, AND ITEM 13 ADJACENT TO ITEM 10.
17	ASSEMBLE PER ND1002032

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.		
A	99974	2900658	
SCALE-NONE	REV LTR ~~C~~D	SHEET 3 OF 14	

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W149 2900658 ~~C~~D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900658-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 138 FT TOTAL LG.
	2	1	2900658-002	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 45 FEET TOTAL LENGTH
7	3	1	1897250-001	CONNECTOR PLUG, ELEC.
7	4	1	1010933-105	CLAMP, STRAIN RELIEF
7	5		1897190- 1	CONTACT PIN
	6		1010958- 1	DELETED
	7	1	2900880-011	CONNECTOR PLUG, ELEC
7	8	38	1897300-002	CONTACT, ELECTRICAL - SPRING SOCKET
7	9	2	1010763- 1	SOLDER SLEEVE
7	10	10	1010763- 2	SOLDER SLEEVE
7	13	38	1010490-228	INSULATION SLEEVING, ELEC.
7	14	4	1010490-232	INSULATION SLEEVING, ELEC.
7	15	1	1016128-011	IDENTIFICATION BAND
7	16	2	1016128-041	IDENTIFICATION BAND
	17	1	2900658-003	ZIPPER TUBING PER ND1002155, TYPE I, ZTZ, GRAY, 1.00 DIA., 6 FT. TOTAL LENGTH
	18	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, BLACK (ES2732 NO. 18)

SIZE	CODE IDENT NO.		
A	99974	2900658	
SCALE-NONE	REV LTR ~~C~~D	SHEET 4 OF 14	

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W149 2900658 ~~C~~D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	19	AR	1901390	FILLER TAPE
7	20	38	1015864-232	INSULATION SLEEVING, ELEC.
7	21	1	1016282- 18	GROMMET, RUBBER
	22	1	2900658-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22 AWG, WHT/BLU, WHT/RED, WHT/YEL, 6 FT. TOTAL LG.

SIZE	CODE IDENT NO.		
A	99974	2900658	
SCALE-NONE	REV LTR ~~C~~D	SHEET 5 OF 14	

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A 1A	2		SHLD A1 E1					.25 .25	NO NO			
A 1L			P1-38 P2-B23					.15 .18	NO NO		5 8	
A 1R			P1-37 P2-A23					.15 .18	NO NO		5 8	
A 2	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A 2A	2		SHLD A2 E1					.25 .25	NO NO			
A 2L			P1-40 P2-A22					.15 .18	NO NO		5 8	
A 2R			P1-39 P2-B22					.15 .18	NO NO		5 8	
A 3	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A 3A	2		SHLD A3 E1					.25 .25	NO NO			
A 3L			P1-42 P2-B21					.15 .18	NO NO		5 8	
A 3R			P1-41 P2-A21					.15 .18	NO NO		5 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE
REV LTR ~~C~~ D
SHEET 6 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4	1				2.30 2.30	2.00 2.00				A,6A B,7	10, 13 13	
A 4A	2		SHLD A4 E1					.25 .25	NO NO			
A 4L			P1-49 P2-C15					.15 .18	NO NO		5 8	
A 4R			P1-46 P2-B15					.15 .18	NO NO		5 8	
A 5	1				2.80 2.80	2.50 2.50				A,6A B,7	10, 13 13	
A 5A	2		SHLD A5 E2					.25 .25	NO NO			
A 5L			P1-48 P2-C16					.15 .18	NO NO		5 8	
A 5R			P1-47 P2-B16					.15 .18	NO NO		5 8	
A 6	1				2.80 2.80	2.50 2.50				A,6A B,7	10, 13 13	
A 6A	2		SHLD A6 E2					.25 .25	NO NO			
A 6L			P1-32 P2-K6					.15 .18	NO NO		5 8	
A 6R			P1-31 P2-K7					.15 .18	NO NO		5 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE
REV LTR ~~C~~ D
SHEET 7 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A 7L			P1-2 P2-F24					.15 .18	NO NO		5 8	
A 7R			P1-1 P2-F25					.15 .18	NO NO		5 8	
A 8	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A 8L			P1-4 P2-G25					.15 .18	NO NO		5 8	
A 8R			P1-3 P2-G24					.15 .18	NO NO		5 8	
A 9	1				2.80 2.80	2.50 2.50				B,7 B,7	13 13	
A 9L			P1-6 P2-H24					.15 .18	NO NO		5 8	
A 9R			P1-5 P2-H25					.15 .18	NO NO		5 8	
A 10			DELETED									
A 1CL			DELETED									
A 10R			DELETED									

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE
REV LTR ~~C~~ D
SHEET 8 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 11			DELETED									
A 11L			DELETED									
A 11R			DELETED									
A 12			DELETED									
A 12L			DELETED									
A 12R			DELETED									
A 13	1				3.30 3.30	3.00 3.00				B,7 B,7	13 13	
A 13L			P1-30 P2-K22					.15 .18	NO NO		5 8	
A 13R			P1-29 P2-K23					.15 .18	NO NO		5 8	
A 14	1				3.30 3.30	3.00 3.00				A,6A B,7	10, 13 13	
A 14A	2		SHLD A14 E2					.25 .25	NO NO			
A 14L			P1-35 P2-K5					.15 .18	NO NO		5 8	

SIZE A
CODE IDENT NO. 99974
2900658
SCALE-NONE
REV LTR ~~C~~ D
SHEET 9 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	14R			P1-34 P2-H5					.15 .18	NO NO		5 8	
A	15	1				3.30 3.30	3.00 3.00				B,7 B,7	13 13	
A	15L			P1-24 P2-C25					.15 .18	NO NO		5 8	
A	15R			P1-23 P2-B25					.15 .18	NO NO		5 8	
A	16	1				3.30 3.30	3.00 3.00				B,7 B,7	13 13	
A	16L			P1-26 P2-C24					.15 .18	NO NO		5 8	
A	16R			P1-25 P2-C23					.15 .18	NO NO		5 8	
A	17			DELETED									
A	18	1				3.80 3.80	3.50 3.50				A,68 B,7	10, 13 13	
A	18A	2		SHLD A18 E2					.25 .15	NO NO		 5	
A	18L			P1-74 P2-K4					.15 .18	NO NO		5 8	
A	18R			P1-73 P2-K3					.15 .18	NO NO		5 8	

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ~~C~~D	SHEET 10 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	19	1				3.80 3.80	3.50 3.50				B,7 B,7	13 13	
A	19L			P1-77 P2-B20					.15 .18	NO NO		5 8	
A	19R			P1-76 P2-A20					.15 .18	NO NO		5 8	
A	20	1				3.80 3.80	3.50 3.50				B,7 B,7	13 13	
A	20L			P1-66 E4					.15 .25	NO NO		5	
A	20R			P1-65 P2-K20					.15 .18	NO NO		5 8	
A	21	1				3.80 3.80	3.50 3.50				B,7 B,7	13 13	
A	21L			P1-68 E4					.15 .25	NO NO		5	
A	21R			P1-67 P2-H19					.15 .18	NO NO		5 8	
A	22	1				3.80 3.80	3.50 3.50				B,7 B,7	13 13	
A	22L			P1-70 E4					.15 .25	NO NO		5	
A	22R			P1-69 P2-K18					.15 .18	NO NO		5 8	

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ~~C~~D	SHEET 11 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	23	2		E1 E3					.25 .25	NO NO			
A	24	2		E2 E3					.25 .25	NO NO			
A	25	2		E3 P1-63					.25 .15	NO NO		 5	
A	26	2		P1-27 P2-B24					.15 .18	NO NO		5 8	
A	27			DELETED									
A	28			DELETED									
A	28A			DELETED									
A	28L			DELETED									
A	28R			DELETED									
A	29			DELETED									
A	29A			DELETED									
A	29L			DELETED									

SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ~~C~~D	SHEET 12 OF 14

MIL 2084 9-65

CABLE ASSEMBLY ~~W159~~ W 149 2900658 ~~C~~D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29R			DELETED									
A	30	22				3.80 3.80	3.50 3.50				B,7 B,7	13 13	
A	30L			P1-9 P2-D18					.15 .18	NO NO		5 8	
A	30R			P1-8 P2-C18					.15 .18	NO NO		5 8	
A	30Y			P1-7 P2-C19					.15 .18	NO NO		5 8	
A	31	2		E4 P2-K21					.25 .18	NO NO		 8	

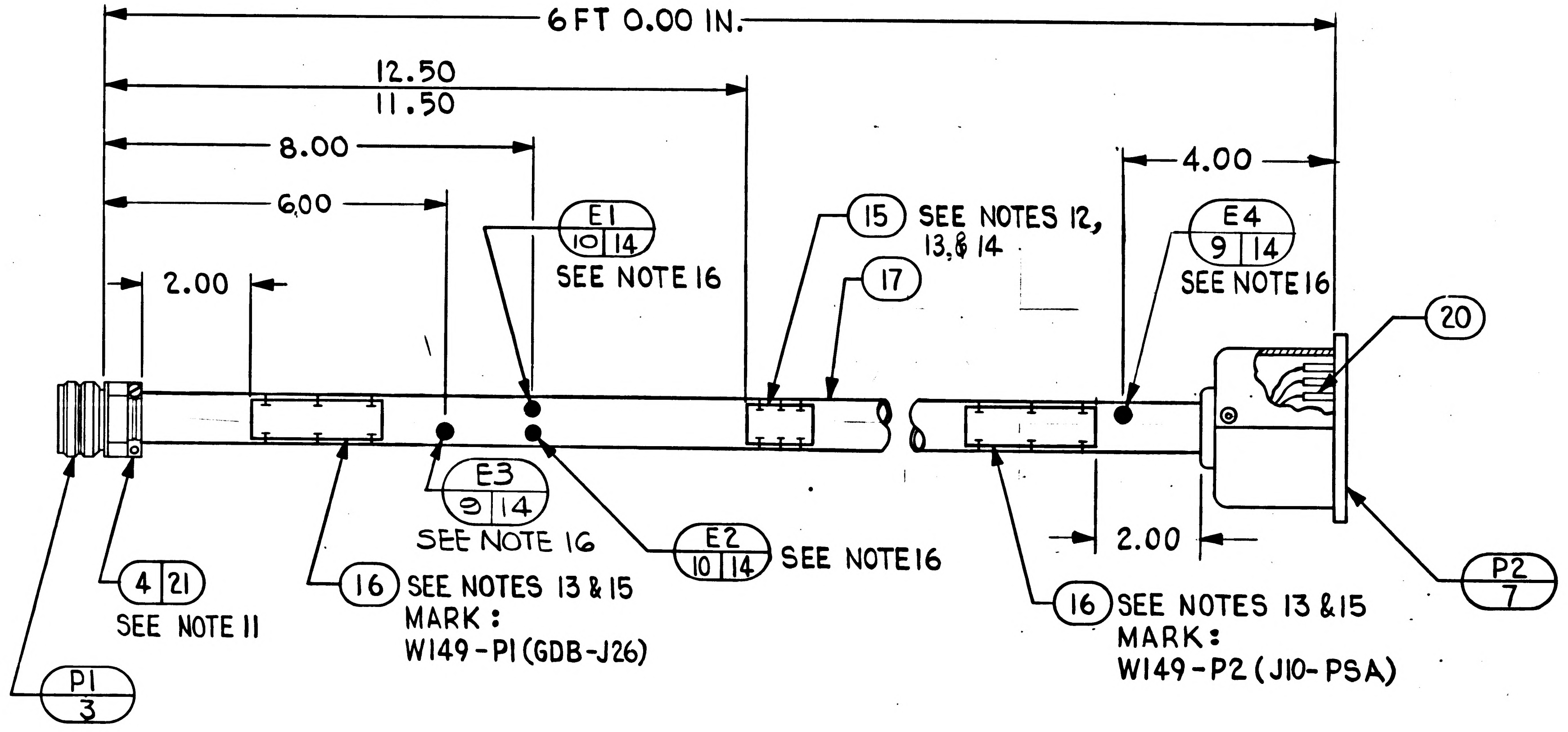
SIZE	CODE IDENT NO.	
A	99974	2900658
SCALE-NONE	REV LTR ~~C~~D	SHEET 13 OF 14

MIL 2084 9-65

2900658

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.



6 FT 0.00 IN.
12.50
11.50
8.00
6.00
2.00
E1
10 14
SEE NOTE 16
15 SEE NOTES 12, 13, & 14
17
4.00
E4
9 14
SEE NOTE 16
20
E3
9 14
SEE NOTE 16
E2
10 14
SEE NOTE 16
2.00
4 21
SEE NOTE 11
16 SEE NOTES 13 & 15
MARK:
W149-P1 (GDB-J26)
16 SEE NOTES 13 & 15
MARK:
W149-P2 (J10-PSA)
P2
7
P1
3

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS + — ANGLES + —
DO NOT SCALE THIS DRAWING
MATERIAL ____
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
ACSP PN
DRAWN R. K. Becker DATE 24 AUG 65
CHECKED Fesler 2 SEP 65
APPROVAL E. Swanson 2 Sept 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJJ (Phone Approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W149

CODE IDENT NO. 99974
SIZE C
2900658
SCALE 1:2
SHEET 14 OF 14

MIL 1077C—P

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV A WITH CHANGE PER MXC-207126	2 DEC 65	RJJ JAC
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP

REV	C	C	C	C	C	C	C	C	C	C	C											
SHEET	22	23	24	25	26	27	28	29	30	31	32											

REV STATUS OF SHEETS																							
REV			C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.W. Turner DATE 23 AUG 65
CHECKED Malkowski 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL 12-20-65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

CABLE ASSEMBLY, SPECIAL PURPOSE BRANCHED, ELECTRICAL W152.

CODE IDENT NO.	SIZE		REV
99974	A	2900659	C

SCALE —

SHEET 1 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
6	ITEMS 13 AND 26 FURNISHED WITH ITEMS 7, 8 AND 9
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD E - GRAY L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE X - COAX OUTER CONDUCTOR Y - WHITE WITH YELLOW TRACER.
11	SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	~~B~~C	SHEET	2 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SERIALIZE PER ND1002023
14	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019, CENTRALIZE.
15	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
16	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
17	ASSEMBLE PER ND1002032
18	SEPARATE ZIPPER TUBING TO TEAR STOP

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	~~B~~C	SHEET	3 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900659-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 227 FT. TOTAL LENGTH
	2	1	2900659-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 120 FT. TOTAL LENGTH
	3	1	2900659-003	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, 392 FT. TOTAL LENGTH
	4	1	2900659-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, WHT/YEL, 40 FT. TOTAL
	5	1	2900659-005	WIRE, COAXIAL MIL-C-17/69A RG 188AU, 60 FT. TOTAL LENGTH
	6	1	2900659-006	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, 190 FT. TOTAL LENGTH
	7	1	MS3126F-24-61SZ	(1897048-614) CONNECTOR PLUG, ELECT.
	8	1	MS3126F-24-61SY	(1897048-613) CONNECTOR PLUG, ELECT.
	9	1	1897173- 4	CONNECTOR PLUG, ELECT.
	10	1	2900850-011	CONNECTOR PLUG, ELECT., ASSY
	11	1	2900879-011	CONNECTOR PLUG, ELECT., ASSY
	12	1	2900876-011	CONNECTOR PLUG, ELECT., ASSY
	13		MS3192A-20A	(1896877-020) CONTACT SOCKETS
	14	81	1897300-001	CONTACT, ELECT. SPRING SOCKET
	15	15	1010763- 1	SOLDER SLEEVE

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	~~B~~C	SHEET	4 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	39	1010763- 2	SOLDER SLEEVE
	17	50	1010763- 3	SOLDER SLEEVE
	18	8	1010490-226	INSULATION SLEEVING
	19	96	1010490-228	INSULATION SLEEVING
	20	33	1010490-232	INSULATION SLEEVING
	21	176	1015864-232	INSULATION SLEEVING
	22	1	1016128-011	BAND, IDENTIFICATION
	23	6	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	1901390	FILLER TAPE
	26	71	1010738- 6	CONTACT, SOCKET
	27	1	2900659-007	WIRE, ND1002181, TYPF 3, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 10 FT. TOTAL
	28	1	2900659-008	ZIPPER TUBING PER ND1002155, TYPE IV, ZTZ, 3 CHANNEL, 1.250 IN. DIA, 8 FT. TOTAL LENGTH
	29	1	2900659-009	ZIPPER TUBING PER ND1002155, TYPE IV, ZTZ, 3 CHANNEL 1.000, 1.000 AND 1.375 IN. DIA, 2 FT.
	30	98	1897300-002	CONTACT, ELECT. SPRING SOCKET
	31	1	2900659-010	ZIPPER TUBING PER ND1002155, TYPE I, ZTZ, GRAY 1.750 INCH DIA., 5 FT. TOTAL LENGTH

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	~~B~~C	SHEET	5 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-W P3-64						NO NO		13	
A	2	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	2A	1	SHLD A2 E1					.25 .25	NO NO			
A	2B	1	P4-B10 SHLD A2					.18 .25	NO NO		21, 30	
A	2L		P1-Q* P4-B11					.22 .18	NO NO		13 14, 21	
A	2R		P1-P* P4-B12					.22 .18	NO NO		13 14, 21	
A	3	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	3A	1	SHLD A3 E1					.25 .25	NO NO			
A	3B	1	P4-C10 SHLD A3					.18 .25	NO NO		21, 30	
A	3L		P1-Z* P4-C12					.22 .18	NO NO		13 14, 21	
A	3R		P1-Y* P4-C11					.22 .18	NO NO		13 14, 21	
A	4	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 6 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4A	1	SHLD A4 E1					.25 .25	NO NO			
A	4B	1	P4-G7 SHLD A4					.18 .25	NO NO		21, 30	
A	4L		P1-X* P4-H7					.22 .18	NO NO		13 14, 21	
A	4R		P1-W* P4-K7					.22 .18	NO NO		13 14, 21	
A	5	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	5A	1	SHLD A5 E1					.25 .25	NO NO			
A	5B	1	P4-G8 SHLD A5					.18 .25	NO NO		21, 30	
A	5L		P1-S* P4-H8					.22 .18	NO NO		13 14, 21	
A	5R		P1-R* P4-K8					.22 .18	NO NO		13 14, 21	
A	6	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	6A	1	SHLD A6 E1					.25 .25	NO NO			
A	6B	1	P4-G6 SHLD A6					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 7 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P1-BB P4-K6					.22 .18	NO NO		13 14, 21	
A	6R		P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A	7	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	7A	1	SHLD A7 E2					.25 .25	NO NO			
A	7B	1	P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A	7L		P1-Z P4-K5					.22 .18	NO NO		13 14, 21	
A	7R		P1-Y P4-H5					.22 .18	NO NO		13 14, 21	
A	8	5			3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A	8A	1	SHLD A8 P1-U*					.25 .22	NO NO		13	
A	8B	1	P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A	8E		P1-T* P4-B14					.22 .18	NO NO		13 21, 30	
A	9	2	P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 8 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	1CA	1	SHLD A10 P1-HH					.25 .22	NO NO		13	
A	10B	1	P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A	10L		P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A	1CR		P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A	11	4			3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A	11A	1	SHLD A11 E2					.25 .25	NO NO			
A	11L		P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A	11R		P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A	11Y		P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A	12	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	12A	1	SHLD A12 E2					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 9 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ØC

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12B	1		P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A 12L			P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A 12R			P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A 13	3				3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A 13A	1		SHLD A13 E2					.25 .25	NO NO			
A 13B	1		P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A 13L			P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A 13R			P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A 14	3				3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A 14A	1		SHLD A14 P1-P					.25 .22	NO NO		 13	
A 14B	1		P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A 14L			P1-M P5-C1					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ØC	SHEET 10 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ØC

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14R			P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A 15	4				5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A 15A	1		SHLD A15 E2					.25 .25	NO NO			
A 15L			P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A 15R			P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A 15Y			E4 P5-B8				3.00	.25 .18	NO NO		 14, 21	
A 16	2		P1-V E4					.22 .25	NO NO		13	
A 17	2		P1-X E4					.22 .25	NO NO		13	
A 18	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 18A	1		SHLD A18 P1-F*					.25 .22	NO NO		 13	
A 18B	1		P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A 18L			P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ØC	SHEET 11 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ØC

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18R			P1-D* P5-D8					.22 .18	NO NO		13 14, 21	
A 19	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 19A	1		SHLD A19 E12					.25 .25	NO NO			
A 19L			P1-I* E5					.22 .25	NO NO		13	
A 19R			P1-H* E6					.22 .25	NO NO		13	
A 20	2	3.00	E5 P5-A6					.25 .18	NO NO		 14, 21	
A 21	2	3.00	E6 P5-A5					.25 .18	NO NO		 14, 21	
A 22	2	3.00	E5 P5-B6					.25 .18	NO NO		 14, 21	
A 23	2	3.00	E6 P5-B5					.25 .18	NO NO		 14, 21	
A 24	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 24A	1		SHLD A24 E12					.25 .25	NO NO			
A 24L			P1-K* E7					.22 .25	NO NO		13	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ØC	SHEET 12 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ØC

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P1-J* E8					.22 .25	NO NO		13	
A 25	2	3.00	E7 P5-K6					.25 .18	NO NO		 14, 21	
A 26	2	3.00	E8 P5-H6					.25 .18	NO NO		 14, 21	
A 27	2	3.00	E7 P5-K7					.25 .18	NO NO		 14, 21	
A 28	2	3.00	E8 P5-H7					.25 .18	NO NO		 14, 21	
A 29	3				3.80 2.80	3.50 2.50				A,6B B,7	17, 19 19	
A 29A	1		SHLD A29 P1-MM					.25 .22	NO NO		 13	
A 29L			E9 P1-N*					.25 .22	NO NO		 13	
A 29R			E10 P1-M*					.25 .22	NO NO		 13	
A 30	2	3.00	E-9 P5-F9						NO NO		 14, 21	
A 31	2	3.00	E10 P5-G9					.25 .18	NO NO		 14, 21	
A 32	2	3.00	E9 P5-F8					.25 .18	NO NO		 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ØC	SHEET 13 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	2	3.00	E10 P5-G8					.25 .18	NO NO		14, 21	
A 34	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 34A	1		SHLD A34 P1-S					.25 .22	NO NO		13	
A 34B	1		P5-B2 SHLD A34					.18 .25	NO NO		21, 30	
A 34E			P1-R P5-B1					.22 .18	NO NO		13 14, 21	
A 35	2		P1-EE E11					.22 .25	NO NO		13	
A 36	2	6.00	E11 P5-B3					.25 .18	NO NO		14, 21	
A 37	2	6.00	E11 P5-C8					.25 .18	NO NO		14, 21	
A 38	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 38A	1		SHLD A38 P1-C*					.25 .22	NO NO		13	
A 38B	1		P5-C9 SHLD A38					.18 .25	NO NO		21, 30	
A 38E			P1-B* P5-B9					.22 .18	NO NO		13 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 14 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1		P3-1 P6-A6					.10 .18	NO NO		26 21, 30	
A 40	1		P3-2 P6-B6					.10 .18	NO NO		26 21, 30	
A 41	1		P3-3 P6-C6					.10 .18	NO NO		26 21, 30	
A 42	1		P3-4 P6-A8					.10 .18	NO NO		26 21, 30	
A 43	1		P3-5 P6-B8					.10 .18	NO NO		26 21, 30	
A 44	1		P3-30 P6-A7					.10 .18	NO NO		26 21, 30	
A 45	1		P3-31 P6-B7					.10 .18	NO NO		26 21, 30	
A 46	1		P3-32 P6-C7					.10 .18	NO NO		26 21, 30	
A 47	1		P3-105 P6-D10					.10 .18	NO NO		26 21, 30	
A 48	1		P3-106 P6-D9					.10 .18	NO NO		26 21, 30	
A 49	1		P3-35 P6-F10					.10 .18	NO NO		26 21, 30	
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 15 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	6				2.80 3.80	2.50 3.50				A,6B B,7	16, 19 19	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		26	
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30	
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 16 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .18	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 17 OF 32

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A	58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A	58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A	58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A	59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A	59A	1		SHLD A59 P3-63					.25 .10	NO NO		 26	
A	59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30	
A	59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A	59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A	60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A	60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A	60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR ~~B~~C | SHEET 18 OF 32

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A	61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A	61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A	62	1	6.00	P3-41 E13					.10 .25	NO NO		26	
A	63	1	6.00	P3-83 E13					.10 .25	NO NO		26	
A	64	1		E13 P6-D15					.25 .18	NO NO		 21, 30	
A	65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A	65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A	65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A	66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	
A	66A	1		SHLD A66 P3-45					.25 .10	NO NO		 26	
A	66B	1		E3 SHLD A66					.25 .25	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR ~~B~~C | SHEET 19 OF 32

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66L			P3-56 P6-K7					.10 .18	NO NO		26 21, 30	
A	66R			P3-46 P6-K6					.10 .18	NO NO		26 21, 30	
A	67	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	67A	1		SHLD A67 P3-28					.25 .10	NO NO		 26	
A	67B	1		P6-G13 SHLD A67					.18 .25	NO NO		21, 30	
A	67L			P3-20 P6-G15					.10 .18	NO NO		26 21, 30	
A	67R			P3-19 P6-G14					.10 .18	NO NO		26 21, 30	
A	68	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	68A	1		SHLD A68 P3-7					.25 .10	NO NO		 26	
A	68B	1		P6-F13 SHLD A68					.18 .25	NO NO		21, 30	
A	68L			P3-18 P6-F15					.10 .18	NO NO		26 21, 30	
A	68R			P3-17 P6-F14					.10 .18	NO NO		26 21, 30	

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR ~~B~~C | SHEET 20 OF 32

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	69	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	69A	1		SHLD A69 P3-26					.25 .10	NO NO		 26	
A	69B	1		P6-C3 SHLD A					.18 .25	NO NO		21, 30	
A	69L			P3-13 P6-B3					.10 .18	NO NO		26 21, 30	
A	69R			P3-12 P6-A3					.10 .18	NO NO		26 21, 30	
A	70	6				5.30 4.80	5.00 4.50				A,6B A,6B	16, 19 16, 19	
A	70A	1		SHLD A70 P3-34					.25 .10	NO NO		 26	
A	70B	1		P6-C2 SHLD A70					.18	NO NO		21, 30	
A	70L			E14 P6-B1				3.50	.25 .18	NO NO		 21, 30	SEE CONFIG.
A	70R			P3-9 P6-B2					.10 .18	NO NO		26 21, 30	
A	71	1		P3-22 E14					.10 .25	NO NO		26	
A	72	1		P3-94 E14					.10 .25	NO NO		26	

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR ~~B~~C | SHEET 21 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	73	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	73A	1		SHLD A73 P3-39					.25 .10	NO NO		 26	
A	73B	1		P6-G4 SHLD A73					.18 .25	NO NO		21, 30	
A	73L			P3-24 P6-G6					.10 .18	NO NO		26 21, 30	
A	73R			P3-25 P6-G5					.10 .18	NO NO		26 21, 30	
A	74	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	74A	1		SHLD A74 P3-49					.25 .10	NO NO		 26	
A	74B	1		P6-H3 SHLD A74					.18 .25	NO NO		21, 30	
A	74L			P3-53 P6-H1					 .18	NO NO		26 21, 30	
A	74R			P3-54 P6-H2					 .18	NO NO		26 21, 30	
A	75	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	75A	1		SHLD A75 P3-47					.25 .10	NO NO		 26	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 22 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75B	1		P6-G3 SHLD A75					.18 .25	NO NO		21, 30	
A	75L			P3-48 P6-G2					.10 .18	NO NO		26 21, 30	
A	75R			P3-51 P6-G1					.10 .18	NO NO		26 21, 30	
A	76	3				3.30 5.30	3.00 5.00				A,6A B,7	17, 19 19	
A	76A	1		SHLD A76 E19					.25 .25	NO NO			
A	76L			P2-P* E15					.22 .25	NO NO		13	
A	76R			P2-N* E16					.22 .25	NO NO		13	
A	77	1	6.00	E15 P4-B9					.25 .18	NO NO		 21, 30	
A	78	1	6.00	E16 P4-B8					.25 .18	NO NO		 21, 30	
A	79	1	6.00	E15 P4-C9					.25 .18	NO NO		 21, 30	
A	80	1	6.00	E16 P4-C8					.25 .18	NO NO		 21, 30	
A	81	3				3.30 4.30	3.00 4.00				A,6A B,7	17, 19 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 23 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	81A	1		SHLD A81 E19					.25 .25	NO NO			
A	81L			P2-R* P4-H14					.22 .18	NO NO		13 14, 21	
A	81R			P2-Q* P4-H15					.22 .18	NO NO		13 14, 21	
A	82	3				3.30 4.30	3.00 4.00				A,6B B,7	17, 19 19	
A	82A	1		SHLD A82 P2-PP					.25 .22	NO NO		 13	
A	82L			P2-T* P4-G15					.22 .18	NO NO		13 14, 21	
A	82R			P2-S* P4-G14					.22 .18	NO NO		13 14, 21	
A	83	3				5.80 4.30	5.50 4.00				B,7 B,7	19 19	
A	83L			E17 P4-F13				4.00	.25 .18	NO NO		 14, 21	
A	83R			P2-W P4-F15					.22 .18	NO NO		13 14, 21	
A	84	2	4.00	P2-X* E17					.22 .25	NO NO		13	
A	85	2	4.00	P2-CC E17					.22 .25	NO NO		13	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 24 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	86	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A	86A	1		SHLD A86 P2-LL					.25 .22	NO NO		 13	
A	86B	1		P4-C14 SHLD A86					.18 .25	NO NO		21, 30	
A	86E			P2-KK P4-C15					.22 .18	NO NO		13 14, 21	
A	87	3				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A	87L			P2-NN P4-D15					.22 .18	NO NO		13 14, 21	
A	87R			P2-MM P4-D14					.22 .18	NO NO		13 14, 21	
A	88	4				3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A	88A	1		SHLD A88 E18					.25 .25	NO NO			
A	88L			P2-E P4-K13					.22 .18	NO NO		13 14, 21	
A	88R			P2-D P4-K12					.22 .18	NO NO		13 14, 21	
A	88Y			P2-F P4-H13					.22 .18	NO NO		13 14, 21	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR ~~B~~C
SHEET 25 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 89A	1		SHLD A89 P2-Z*					.25 .22	NO NO		 13	
A 89B	1		P4-G1 SHLD A89					.18 .25	NO NO		21, 30	
A 89L			P2-L P4-F1					.22 .18	NO NO		13 14, 21	
A 89R			P2-K P4-F2					.22 .18	NO NO		13 14, 21	
A 90	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 90A	1		SHLD A90 E18					.25 .25	NO NO			
A 90B	1		P4-A6 SHLD A90					.18 .25	NO NO		21, 30	
A 90L			P2-N P4-C6					.22 .18	NO NO		13 14, 21	
A 90R			P2-M P4-B6					.22 .18	NO NO		13 14, 21	
A 91	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 91A	1		SHLD A91 E18					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 26 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91B	1		P4-G2 SHLD A91					.18 .25	NO NO		21, 30	
A 91L			P2-R P4-H2					.22 .18	NO NO		13 14, 21	
A 91R			P2-P P4-H1					.22 .18	NO NO		13 14, 21	
A 92	4				3.80 4.80	3.50 4.50				A,6A B,7	17, 18 18	
A 92A	1		SHLD A92 E18					.25 .25	NO NO			
A 92L			P2-V P4-G13					.22 .18	NO NO		13 14, 21	
A 92R			P2-U P4-G12					.22 .18	NO NO		13 14, 21	
A 92Y			P2-W P4-H12					.22 .18	NO NO		13 14, 21	
A 93	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 93A	1		SHLD A93 P2-C*					.25 .22	NO NO		 13	
A 93B	1		P4-K10 SHLD A93					.18 .25	NO NO		21, 30	
A 93E			P2-B* P4-H10					.22 .18	NO NO		13 21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 27 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 94	2		P2-A* P4-G10					.22 .18	NO NO		13 14	
A 95	2		P2-D* P4-F3					.22 .18	NO NO		13 14	
A 96	3				4.30 5.30	4.00 5.00				A,6B A,6B	17, 19 17, 19	
A 96A	1		SHLD A96 P2-Y*					.25 .22	NO NO		 13	
A 96B	1		P4-B3 SHLD A96					.18 .25	NO NO		21, 30	
A 96L			P2-F* P4-B1					.22 .18	NO NO		13 14, 21	
A 96R			P2-E* P4-B2					.22 .18	NO NO		13 14, 21	
A 97	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 97A			SHLD A97 E20					.25 .25	NO NO			
A 97B	1		P4-A5 SHLD A97					.18 .25	NO NO		21, 30	
A 97L			P2-H* P4-A3					 .18	NO NO		13 14, 21	
A 97R			P2-G* P4-A4					 .18	NO NO		13 14, 21	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 28 OF 32

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 98A	1		SHLD A98 E21					.25 .25	NO NO			
A 98B	1		P4-C5 SHLD A98					.18 .25	NO NO		21, 30	
A 98L			P2-J* P4-D5					.22 .18	NO NO		13 14, 21	
A 98R			P2-I* P4-F5					.22 .18	NO NO		13 14, 21	
A 99	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 99A	1		SHLD A99 E20					.25 .25	NO NO			
A 99B	1		P4-C4 SHLD A99					.18 .25	NO NO		21, 30	
A 99L			P2-M* P4-D4					.22 .18	NO NO		13 14, 21	
A 99R			P2-K* P4-F4					.22 .18	NO NO		13 14, 21	
A 100	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 100A	1		SHLD A100 E20					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR ~~B~~ C	SHEET 29 OF 32

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100B	1		P4-G3 SHLD A100					.18 .25	NO NO		21, 30	
A 100L			P2-EE P4-H3					.22 .18	NO NO		13 14, 21	
A 100R			P2-DD P4-K3					.22 .18	NO NO		13 14, 21	
A 101	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 101A	1		SHLD A101 E20					.25 .25	NO NO			
A 101B	1		P4-G4 SHLD A101					.18 .25	NO NO		21, 30	
A 101L			P2-HH P4-K4					.22 .18	NO NO		13 14, 21	
A 101R			P2-GG P4-H4					.22 .18	NO NO		13 14, 21	
A 102	2		P2-B E19					.22 .25	NO NO		13	
A 103	1		P2-AA P3-11					.22 .10	NO NO		13 26	
A 104	1		P2-BB P3-10					.22 .10	NO NO		13 26	
A 105	1		P2-V* P3-29					.22 .10	NO NO		13 26	

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR ~~B~~ C		SHEET 30 OF 32

MIL 208

CABLE ASSEMBLY W152 2900659 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 106	1		P2-FF P3-91					.22 .18	NO NO		13 14, 21	
A 107	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 107A	1		SHLD A107 P2-J					.25 .22	NO NO		13	
A 107B	1		P4-H9 SHLD A107					.18 .25	NO NO		21, 30	
A 107E			P2-H P4-K9					.22 .18	NO NO		13 21, 30	
A 108	2		E20 P4-G9					.25 .18	NO NO		14, 21	
A 109	2		E1 E3					.25 .25	NO NO			
A 110	2		E2 E3					.25 .25	NO NO			
A 111	2		P1-B E3					.22 .25	NO NO		13	
A 112	2		E18 E3					.25 .25	NO NO			
A 113	2		E20 E3					.25 .25	NO NO			

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR ~~B~~ C		SHEET 31 OF 32

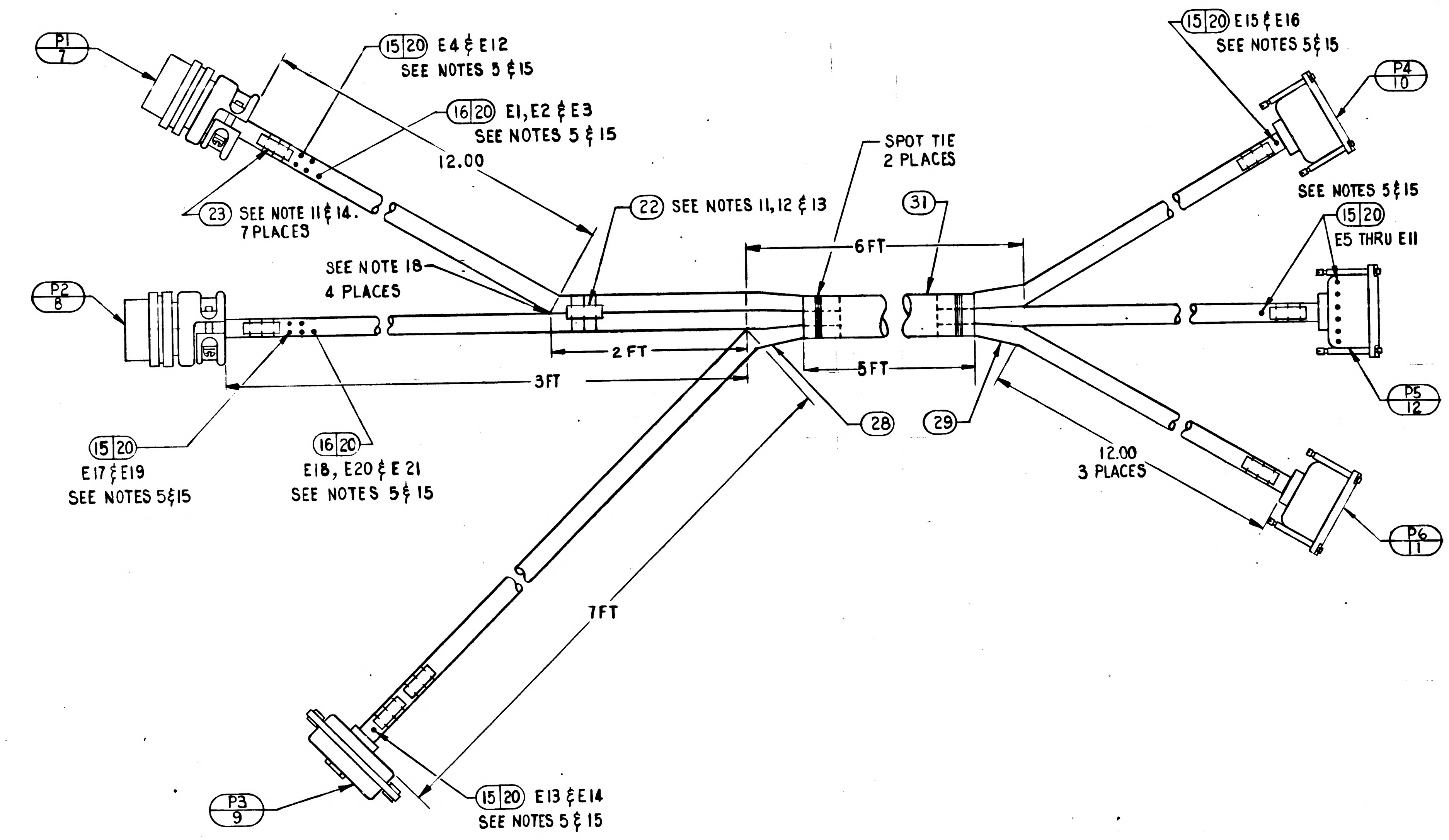
MIL 208

2900659 C

PLUG NO.	MARKING
P1	W152-P1(J1-TJB)
P2	W152-P2(J2-TJB)
P3	W152-P3(W153-P2)
P3	W152-P3(- ROC)
P4	W152-P4(J5-PSA)
P5	W152-P5(J9-PSA)
P6	W152-P6(J7-PSA)

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD.
		SEE SHT 1 FOR REV STATUS			


P1 7
15 20 E4 & E12 SEE NOTES 5 & 15
16 20 E1, E2 & E3 SEE NOTES 5 & 15
12.00
23 SEE NOTE 11 & 14. 7 PLACES
22 SEE NOTES 11, 12 & 13
SPOT TIE 2 PLACES
31
6 FT
SEE NOTE 18 4 PLACES
P2 8
2 FT
3FT
5FT
28
29
15 20 E17 & E19 SEE NOTES 5&15
16 20 E18, E20 & E21 SEE NOTES 5 & 15
7FT
P3 9
15 20 E13 & E14 SEE NOTES 5 & 15
15 20 E15 & E16 SEE NOTES 5 & 15
P4 10
SEE NOTES 5 & 15
15 20 E5 THRU E11
P5 12
12.00 3 PLACES
P6 11

P

2900712-011	2900008-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS + — − ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. W. Turner DATE 17 NOV. 65
CHECKED Melikowske 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL G. Morgan/RJS
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED,
W 152

CODE IDENT NO. 99974
SIZE D
2900659
SCALE NONE
SHEET 32 OF 32

MIL 1077 D.K.

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV A WITH CHANGE PER MXC-207126	2 DEC 65	RJJ JAC
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
		D	REVISED PER TDRR 25851	2 MAR 66	DKD

REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D							
SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35							

REV STATUS OF SHEETS																							
REV			D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.W. Turner DATE 23 AUG 65
CHECKED 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

CABLE ASSEMBLY, SPECIAL PURPOSE BRANCHED, ELECTRICAL W152.

CODE IDENT NO.	SIZE		REV
99974	A	2900659	D

SCALE —
SHEET 1 OF 35

CABLE ASSEMBLY W152 2900659 D

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1C02071
B - ND1C02032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

6 ITEMS 13 AND 26 FURNISHED WITH ITEMS 7, 8 AND 9

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER.

11 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR D
SHEET 2 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

NOTE NUMBER | GENERAL NOTES DESCRIPTION

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SERIALIZE PER ND1002023

14 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019, CENTRALIZE.

15 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

16 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

17 ASSEMBLE PER ND1002032

18 SEPARATE ZIPPER TUBING TO TEAR STOP

19 A LETTER WITH AN ASTERISK INDICATES A LOWER CASE LETTER.

20 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR D
SHEET 3 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

NOTE NUMBER | GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR D
SHEET 4 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900659-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 227 FT. TOTAL LENGTH
	2	1	2900659-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 120 FT. TOTAL LENGTH
	3	1	2900659-003	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, 392 FT. TOTAL LENGTH
	4	1	2900659-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, WHT/YEL, 40 FT. TOTAL
	5	1	2900659-005	WIRE, COAXIAL MIL-C-17/69A RG 188AU, 60 FT. TOTAL LENGTH
	6	1	2900659-006	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, 190 FT. TOTAL LENGTH
	7	1	MS3126F-24-61SZ	(1897048-614) CONNECTOR PLUG, ELECT.
	8	1	MS3126F-24-61SY	(1897048-613) CONNECTOR PLUG, ELECT.
7	9	1	1897173- 4	CONNECTOR PLUG, ELECT.
	10	1	2900850-011	CONNECTOR PLUG, ELECT., ASSY
	11	1	2900879-011	CONNECTOR PLUG, ELECT., ASSY
	12	1	2900876-011	CONNECTOR PLUG, ELECT., ASSY
	13		MS3192A-20A	(1896877-020) CONTACT SOCKETS
7	14	81	1897300-001	CONTACT, ELECT. SPRING SOCKET
7	15	14	1010763- 1	SOLDER SLEEVE

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR D
SHEET 5 OF ~~34~~ 35

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	39	1010763- 2	SOLDER SLEEVE
7	17	50	1010763- 3	SOLDER SLEEVE
7	18	8	1010490-226	INSULATION SLEEVING
7	19	98	1010490-228	INSULATION SLEEVING
7	20	32	1010490-232	INSULATION SLEEVING
7	21	185	1015864-232	INSULATION SLEEVING
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	6	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	MIL-I-631	FILLER TAPE TYPE F, FORM T, (BLACK), GRADE A CLASS 1, .62 INCH WIDE, .040 INCH THICK.
	26	71	1010738- 6	CONTACT, SOCKET
	27	1	2900659-007	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 10 FT. TOTAL
20	28	1	2900659-008	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL, 1.250 IN. DIA, 8 FT. TOTAL LENGTH
20	29	1	2900659-009	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL 1.000, 1.000 AND 1.375 IN. DIA, 2 FT.
7	30	104	1897300-002	CONTACT, ELECT. SPRING SOCKET

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 6 OF ~~24~~ 35

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
20	31	1	2900659-010	ZIPPER TUBING PER ND1002155, TYPE I, GRAY 1.750 INCH DIA., 5 FT. TOTAL LENGTH
	32	1	2900659-011	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG, WHT/BLU, WHT/RED, 10 FT. TOTAL LENGTH
7	33	2	1016006-001	SPLICE REDUCER
7	34	2	1016006-002	SPLICE REDUCER
7	35	2	1010490-258	INSULATION SLEEVING

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 7 OF ~~24~~ 35

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1		P1-W P3-64						NO NO		13	
A	2	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	2A	1		SHLD A2 E1					.25 .25	NO NO			
A	2B	1		P4-B10 SHLD A2					.18 .25	NO NO		21, 30	
A	2L			P1-Q* P4-B11					.22 .18	NO NO		13 14, 21	
A	2R			P1-P* P4-B12					.22 .18	NO NO		13 14, 21	
A	3	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	3A	1		SHLD A3 E1					.25 .25	NO NO			
A	3B	1		P4-C10 SHLD A3					.18 .25	NO NO		21, 30	
A	3L			P1-Z* P4-C12					.22 .18	NO NO		13 14, 21	
A	3R			P1-Y* P4-C11					.22 .18	NO NO		13 14, 21	
A	4	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 8 OF ~~24~~ 35

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4A	1		SHLD A4 E1					.25 .25	NO NO			
A	4B	1		P4-G7 SHLD A4					.18 .25	NO NO		21, 30	
A	4L			P1-X* P4-H7					.22 .18	NO NO		13 14, 21	
A	4R			P1-W* P4-K7					.22 .18	NO NO		13 14, 21	
A	5	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	5A	1		SHLD A5 E1					.25 .25	NO NO			
A	5B	1		P4-G8 SHLD A5					.18 .25	NO NO		21, 30	
A	5L			P1-S* P4-H8					.22 .18	NO NO		13 14, 21	
A	5R			P1-R* P4-K8					.22 .18	NO NO		13 14, 21	
A	6	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	6A	1		SHLD A6 E1					.25 .25	NO NO			
A	6B	1		P4-G6 SHLD A6					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 9 OF ~~24~~ 35

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P1-BB P4-K6					.22 .18	NO NO		13 14, 21	
A	6R		P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A	7	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	7A	1	SHLD A7 E2					.25 .25	NO NO			
A	7B	1	P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A	7L		P1-Z P4-K5					.22 .18	NO NO		13 14, 21	
A	7R		P1-Y P4-H5					.22 .18	NO NO		13 14, 21	
A	8	5			3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A	8A	1	SHLD A8 P1-U*					.25 .22	NO NO		 13	
A	8B	1	P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A	8E		P1-T* P4-B14					.22 .18	NO NO		13 21, 30	
A	9	2	P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 10 OF ~~34~~ 35

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	10A	1	SHLD A10 P1-HH					.25 .22	NO NO		 13	
A	10B	1	P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A	10L		P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A	10R		P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A	11	4			3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A	11A	1	SHLD A11 E2					.25 .25	NO NO			
A	11L		P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A	11R		P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A	11Y		P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A	12	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	12A	1	SHLD A12 E2					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 11 OF ~~34~~ 35

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12B	1	P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A	12L		P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A	12R		P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A	13	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	13A	1	SHLD A13 E2					.25 .25	NO NO			
A	13B	1	P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A	13L		P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A	13R		P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A	14	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	14A	1	SHLD A14 P1-P					.25 .22	NO NO		 13	
A	14B	1	P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A	14L		P1-M P5-C1					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 12 OF ~~34~~ 35

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	14R		P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A	15	4			5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A	15A	1	SHLD A15 E2					.25 .25	NO NO			
A	15L		P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A	15R		P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A	15Y		E4 P5-B8				3.00	.25 .18	NO NO		 14, 21	
A	16	2	P1-V E4					.22 .25	NO NO		13	
A	17	2	P1-X E4					.22 .25	NO NO		13	
A	18	3			3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A	18A	1	SHLD A18 P1-F*					.25 .22	NO NO		 13	
A	18B	1	P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A	18L		P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 13 OF ~~34~~ 35

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18R			P1-D* P5-D8					.22 .18	NO NO		13 14, 21	
A 19	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 19A	1		SHLD A19 E12					.25 .25	NO NO			
A 19L			P1-I* E5					.22 .25	NO NO		13	
A 19R			P1-H* E6					.22 .25	NO NO		13	
A 20	2	3.00	E5 P5-A6					.25 .18	NO NO		14, 21	
A 21	2	3.00	E6 P5-A5					.25 .18	NO NO		14, 21	
A 22	2	3.00	E5 P5-B6					.25 .18	NO NO		14, 21	
A 23	2	3.00	E6 P5-B5					.25 .18	NO NO		14, 21	
A 24	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 24A	1		SHLD A24 E12					.25 .25	NO NO			
A 24L			P1-K* E7					.22 .25	NO NO		13	

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR	D	SHEET 14 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P1-J* E8					.22 .25	NO NO		13	
A 25	2	3.00	E7 P5-K6					.25 .18	NO NO		14, 21	
A 26	2	3.00	E8 P5-H6					.25 .18	NO NO		14, 21	
A 27	2	3.00	E7 P5-K7					.25 .18	NO NO		14, 21	
A 28	2	3.00	E8 P5-H7					.25 .18	NO NO		14, 21	
A 29	3				3.80 2.80	3.50 2.50				A,6B B,7	17, 19 19	
A 29A	1		SHLD A29 P1-MM					.25 .22	NO NO		13	
A 29L			E9 P1-N*					.25 .22	NO NO		13	
A 29R			E10 P1-M*					.25 .22	NO NO		13	
A 30	2	3.00	E-9 P5-F9						NO NO		14, 21	
A 31	2	3.00	E10 P5-G9					.25 .18	NO NO		14, 21	
A 32	2	3.00	E9 P5-F8					.25 .18	NO NO		14, 21	

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR	D	SHEET 15 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	2	3.00	E10 P5-G8					.25 .18	NO NO		14, 21	
A 34	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 34A	1		SHLD A34 P1-S					.25 .22	NO NO		13	
A 34B	1		P5-B2 SHLD A34					.18 .25	NO NO		21, 30	
A 34L			P1-R P5-B1					.22 .18	NO NO		13 14, 21	
A 35	2		P1-EE E11					.22 .25	NO NO		13	
A 36	2	6.00	E11 P5-B3					.25 .18	NO NO		14, 21	
A 37	2	6.00	E11 P5-C8					.25 .18	NO NO		14, 21	
A 38	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 38A	1		SHLD A38 P1-C*					.25 .22	NO NO		13	
A 38B	1		P5-C9 SHLD A38					.18 .25	NO NO		21, 30	
A 38E			P1-B* P5-B9					.22 .18	NO NO		13 21, 30	

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR	D	SHEET 16 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 39	1		P3-1 P6-A6					.10 .18	NO NO		26 21, 30	
A 40	1		P3-2 P6-B6					.10 .18	NO NO		26 21, 30	
A 41	1		P3-3 P6-C6					.10 .18	NO NO		26 21, 30	
A 42	1		P3-4 P6-A8					.10 .18	NO NO		26 21, 30	
A 43	1		P3-5 P6-B8					.10 .18	NO NO		26 21, 30	
A 44	1		P3-30 P6-A7					.10 .18	NO NO		26 21, 30	
A 45	1		P3-31 P6-B7					.10 .18	NO NO		26 21, 30	
A 46	1		P3-32 P6-C7					.10 .18	NO NO		26 21, 30	
A 47	1		P3-105 P6-D10					.10 .18	NO NO		26 21, 30	
A 48	1		P3-106 P6-D9					.10 .18	NO NO		26 21, 30	
A 49	1		P3-35 P6-F10					.10 .18	NO NO		26 21, 30	
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.		
A	99974	2900659	
SCALE-NONE	REV LTR	D	SHEET 17 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51	6				2.80 3.80	2.50 3.50				A,6B B,7	16, 19 19	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		 26	
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		 26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30 	
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	D	SHEET	18 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .18	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	D	SHEET	19 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A 58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A 58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A 59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A 59A	1		SHLD A59 P3-63					.25 .10	NO NO		 26	
A 59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30 	
A 59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A 59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A 60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A 60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	D	SHEET	20 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A 61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A 62	1	6.00	P3-41 E13					.10 .25	NO NO		26 	
A 63	1	6.00	P3-83 E13					.10 .25	NO NO		26 	
A 64	1		E13 P6-D15					.25 .18	NO NO		 21, 30	
A 65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A 65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A 66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	
A 66A	1		SHLD A66 P3-45					.25 .10	NO NO		 26	
A 66B	1		E3 SHLD A66					.25 .25	NO NO			

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	D	SHEET	21 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66L			P3-56 P6-K7					.10 .18	NO NO		26 21, 30	
A	66R			P3-46 P6-K6					.10 .18	NO NO		26 21, 30	
A	67	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	67A	1		SHLD A67 P3-28					.25 .10	NO NO		 26	
A	67B	1		P6-G13 SHLD A67					.18 .25	NO NO		21, 30	
A	67L			P3-20 P6-G15					.10 .18	NO NO		26 21, 30	
A	67R			P3-19 P6-G14					.10 .18	NO NO		26 21, 30	
A	68	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	68A	1		SHLD A68 P3-7					.25 .10	NO NO		 26	
A	68B	1		P6-F13 SHLD A68					.18 .25	NO NO		21, 30	
A	68L			P3-18 P6-F15					.10 .18	NO NO		26 21, 30	
A	68R			P3-17 P6-F14					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 22 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	69	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	69A	1		SHLD A69 P3-26					.25 .10	NO NO		 26	
A	69B	1		P6-C3 SHLD A					.18 .25	NO NO		21, 30	
A	69L			P3-13 P6-B3					.10 .18	NO NO		26 21, 30	
A	69R			P3-12 P6-A3					.10 .18	NO NO		26 21, 30	
A	70	6				5.30 4.80	5.00 4.50				A,6B A,6B	16, 19 16, 19	
A	70A	1		SHLD A70 P3-34					.25 .10	NO NO		 26	
A	70B	1		P6-C2 SHLD A70					.18	NO NO		21, 30	
A	70L			E14 P6-B1				3.50	.25 .18	NO NO		 21, 30	SEE CONFIG.
A	70R			P3-9 P6-B2					.10 .18	NO NO		26 21, 30	
A	71	1		P3-22 E14					.10 .25	NO NO		26	
A	72	1		P3-94 E14					.10 .25	NO NO		26	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 23 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	73	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	73A	1		SHLD A73 P3-39					.25 .10	NO NO		 26	
A	73B	1		P6-G4 SHLD A73					.18 .25	NO NO		21, 30	
A	73L			P3-24 P6-G6					.10 .18	NO NO		26 21, 30	
A	73R			P3-25 P6-G5					.10 .18	NO NO		26 21, 30	
A	74	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	74A	1		SHLD A74 P3-49					.25 .10	NO NO		 26	
A	74B	1		P6-H3 SHLD A74					.18 .25	NO NO		21, 30	
A	74L			P3-53 P6-H1					 .18	NO NO		26 21, 30	
A	74R			P3-54 P6-H2					 .18	NO NO		26 21, 30	
A	75	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	75A	1		SHLD A75 P3-47					.25 .10	NO NO		 26	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 24 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75B	1		P6-G3 SHLD A75					.18 .25	NO NO		21, 30	
A	75L			P3-48 P6-G2					.10 .18	NO NO		26 21, 30	
A	75R			P3-51 P6-G1					.10 .18	NO NO		26 21, 30	
A	76	32				3.30 5.30	3.00 5.00				A,6A B,7	17, 19 19	
A	76A	1		SHLD A76 E19					.25 .25	NO NO			
A	76L			E23-B E15-BB					.31 .38	NO NO			
A	76R			E22-B E16-BB					.31 .38	NO NO			
A	77	2	6.00	E15-B P4-B9					.38 .18	NO NO		 21, 30	
A	78	2	6.00	E16-B P4-B8					.38 .18	NO NO		 21, 30	
A	79	2	6.00	E15-B P4-C9					.38 .18	NO NO		 21, 30	
A	80	2	6.00	E16-B P4-C8					.38 .18	NO NO		 21, 30	
A	81	3				3.30 4.30	3.00 4.00				A,6A B,7	17, 19 19	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 25 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81A	1		SHLD A81					.25	NO			
			E19					.25	NO			
A 81L			P2-R*					.22	NO		13	
			P4-H14					.18	NO		14, 21	
A 81R			P2-Q*					.22	NO		13	
			P4-H15					.18	NO		14, 21	
A 82	3				3.30	3.00				A,6B	17, 19	
					4.30	4.00				B,7	19	
A 82A	1		SHLD A82					.25	NO			
			P2-PP					.22	NO		13	
A 82L			P2-T*					.22	NO		13	
			P4-G15					.18	NO		14, 21	
A 82R			P2-S*					.22	NO		13	
			P4-G14					.18	NO		14, 21	
A 83	3				5.80	5.50				B,7	19	
					4.30	4.00				B,7	19	
A 83L			E17				4.00	.25	NO			
			P4-F13					.18	NO		14, 21	
A 83R			P2-W					.22	NO		13	
			P4-F15					.18	NO		14, 21	
A 84	2	4.00	P2-X*					.22	NO		13	
			E17					.25	NO			
A 85	2	4.00	P2-CC					.22	NO		13	
			E17					.25	NO			

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR D	SHEET 26 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 86	5				3.30	3.00				A,6B	16, 20	
					3.30	3.00				A,6B	16, 20	
A 86A	1		SHLD A86					.25	NO			
			P2-LL					.22	NO		13	
A 86B	1		P4-C14					.18	NO		21, 30	
			SHLD A86					.25	NO			
A 86E			P2-KK					.22	NO		13	
			P4-C15					.18	NO		14, 21	
A 87	3				3.30	3.00				B,7	19	
					4.30	4.00				B,7	19	
A 87L			P2-NN					.22	NO		13	
			P4-D15					.18	NO		14, 21	
A 87R			P2-MM					.22	NO		13	
			P4-D14					.18	NO		14, 21	
A 88	4				3.30	3.00				A,6A	17, 18	
					4.30	4.00				B,7	18	
A 88A	1		SHLD A88					.25	NO			
			E18					.25	NO			
A 88L			P2-E					.22	NO		13	
			P4-K13					.18	NO		14, 21	
A 88R			P2-D					.22	NO		13	
			P4-K12					.18	NO		14, 21	
A 88Y			P2-F					.22	NO		13	
			P4-H13					.18	NO		14, 21	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR D	SHEET 27 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	3				3.80	3.50				A,6B	17, 19	
					4.80	4.50				A,6B	17, 19	
A 89A	1		SHLD A89					.25	NO			
			P2-Z*					.22	NO		13	
A 89B	1		P4-G1					.18	NO		21, 30	
			SHLD A89					.25	NO			
A 89L			P2-L					.22	NO		13	
			P4-F1					.18	NO		14, 21	
A 89R			P2-K					.22	NO		13	
			P4-F2					.18	NO		14, 21	
A 90	3				3.80	3.50				A,6A	17, 19	
					4.80	4.50				A,6B	17, 19	
A 90A	1		SHLD A90					.25	NO			
			E18					.25	NO			
A 90B	1		P4-A6					.18	NO		21, 30	
			SHLD A90					.25	NO			
A 90L			P2-N					.22	NO		13	
			P4-C6					.18	NO		14, 21	
A 90R			P2-M					.22	NO		13	
			P4-B6					.18	NO		14, 21	
A 91	3				3.80	3.50				A,6A	17, 19	
					4.80	4.50				A,6B	17, 19	
A 91A	1		SHLD A91					.25	NO			
			E18					.25	NO			

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR D	SHEET 28 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91B	1		P4-G2					.18	NO		21, 30	
			SHLD A91					.25	NO			
A 91L			P2-R					.22	NO		13	
			P4-H2					.18	NO		14, 21	
A 91R			P2-P					.22	NO		13	
			P4-H1					.18	NO		14, 21	
A 92	4				3.80	3.50				A,6A	17, 18	
					4.80	4.50				B,7	18	
A 92A	1		SHLD A92					.25	NO			
			E18					.25	NO			
A 92L			P2-V					.22	NO		13	
			P4-G13					.18	NO		14, 21	
A 92R			P2-U					.22	NO		13	
			P4-G12					.18	NO		14, 21	
A 92Y			P2-W					.22	NO		13	
			P4-H12					.18	NO		14, 21	
A 93	5				3.30	3.00				A,6B	16, 20	
					3.30	3.00				A,6B	16, 20	
A 93A	1		SHLD A93					.25	NO			
			P2-C*					.22	NO		13	
A 93B	1		P4-K10					.18	NO		21, 30	
			SHLD A93					.25	NO			
A 93E			P2-B*					.22	NO		13	
			P4-H10					.18	NO		21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR D	SHEET 29 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 94	2		P2-A*					.22	NO		13	
			P4-G10					.18	NO		14	
A 95	2		P2-D*					.22	NO		13	
			P4-F3					.18	NO		14	
A 96	3				4.30	4.00				A,6B	17, 19	
					5.30	5.00				A,6B	17, 19	
A 96A	1		SHLD A96					.25	NO			
			P2-Y*					.22	NO		13	
A 96B	1		P4-B3					.18	NO		21, 30	
			SHLD A96					.25	NO			
A 96L			P2-F*					.22	NO		13	
			P4-B1					.18	NO		14, 21	
A 96R			P2-E*					.22	NO		13	
			P4-B2					.18	NO		14, 21	
A 97	3				4.30	4.00				A,6A	17, 19	
					5.30	5.00				A,6B	17, 19	
A 97A			SHLD A97					.25	NO			
			E20					.25	NO			
A 97B	1		P4-A5					.18	NO		21, 30	
			SHLD A97					.25	NO			
A 97L			P2-H*						NO		13	
			P4-A3					.18	NO		14, 21	
A 97R			P2-G*						NO		13	
			P4-A4					.18	NO		14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 30 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98	3				4.30	4.00				A,6A	17, 19	
					5.30	5.00				A,6B	17, 19	
A 98A	1		SHLD A98					.25	NO			
			E21					.25	NO			
A 98B	1		P4-C5					.18	NO		21, 30	
			SHLD A98					.25	NO			
A 98L			P2-J*					.22	NO		13	
			P4-D5					.18	NO		14, 21	
A 98R			P2-I*					.22	NO		13	
			P4-F5					.18	NO		14, 21	
A 99	3				4.30	4.00				A,6A	17, 19	
					5.30	5.00				A,6B	17, 19	
A 99A	1		SHLD A99					.25	NO			
			E20					.25	NO			
A 99B	1		P4-C4					.18	NO		21, 30	
			SHLD A99					.25	NO			
A 99L			P2-M*					.22	NO		13	
			P4-D4					.18	NO		14, 21	
A 99R			P2-K*					.22	NO		13	
			P4-F4					.18	NO		14, 21	
A 100	3				4.30	4.00				A,6A	17, 19	
					5.30	5.00				A,6B	17, 19	
A 100A	1		SHLD A100					.25	NO			
			E20					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 31 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100B	1		P4-G3					.18	NO		21, 30	
			SHLD A100					.25	NO			
A 100L			P2-EE					.22	NO		13	
			P4-H3					.18	NO		14, 21	
A 100R			P2-DD					.22	NO		13	
			P4-K3					.18	NO		14, 21	
A 101	3				4.30	4.00				A,6A	17, 19	
					5.30	5.00				A,6B	17, 19	
A 101A	1		SHLD A101					.25	NO			
			E20					.25	NO			
A 101B	1		P4-G4					.18	NO		21, 30	
			SHLD A101					.25	NO			
A 101L			P2-HH					.22	NO		13	
			P4-K4					.18	NO		14, 21	
A 101R			P2-GG					.22	NO		13	
			P4-H4					.18	NO		14, 21	
A 102	2		P2-B					.22	NO		13	
			E19					.25	NO			
A 103	1		P2-AA					.22	NO		13	
			P3-11					.10	NO		26	
A 104	1		P2-BB					.22	NO		13	
			P3-10					.10	NO		26	
A 105	1		P2-V*					.22	NO		13	
			P3-29					.10	NO		26	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 32 OF ~~34~~ 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 106	1		P2-FF					.22	NO		13	
			P3-91					.18	NO		14, 21	
A 107	5				3.30	3.00				A,6B	16, 20	
					3.30	3.00				A,6B	16, 20	
A 107A	1		SHLD A107					.25	NO			
			P2-J					.22	NO		13	
A 107B	1		P4-H9					.18	NO		21, 30	
			SHLD A107					.25	NO			
A 107E			P2-H					.22	NO		13	
			P4-K9					.18	NO		21, 30	
A 108	2		E20					.25	NO			
			P4-G9					.18	NO		14, 21	
A 109	2		E1					.25	NO			
			E3					.25	NO			
A 110	2		E2					.25	NO			
			E3					.25	NO			
A 111	2		P1-B					.22	NO		13	
			E3					.25	NO			
A 112	2		E18					.25	NO			
			E3					.25	NO			
A 113	2		E20					.25	NO			
			E3					.25	NO			
A 114	2	6.00	E15-B					.31	NO			
			P4-A9					.18	NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 33 OF ~~34~~ 35

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 115	2	6.00	E16-B P4-A8					.31 .18	NO NO		21, 30	
A 116	2	6.00	E15-B P4-D9					.31 .18	NO NO		21, 30	
A 117	2	6.00	E16-B P4-D8					.31 .18	NO NO		21, 30	
A 118	2	6.00	E15-B P4-F9					.31 .18	NO NO		21, 30	
A 119	2	6.00	E16-8 P4-F8					.31 .18	NO NO		21, 30	
A 120	2	4.00	P2-P* E23-BB					.22 .31	NO NO		13	
A 121	2	4.00	P2-N* E22-BB					.22 .31	NO NO		13	

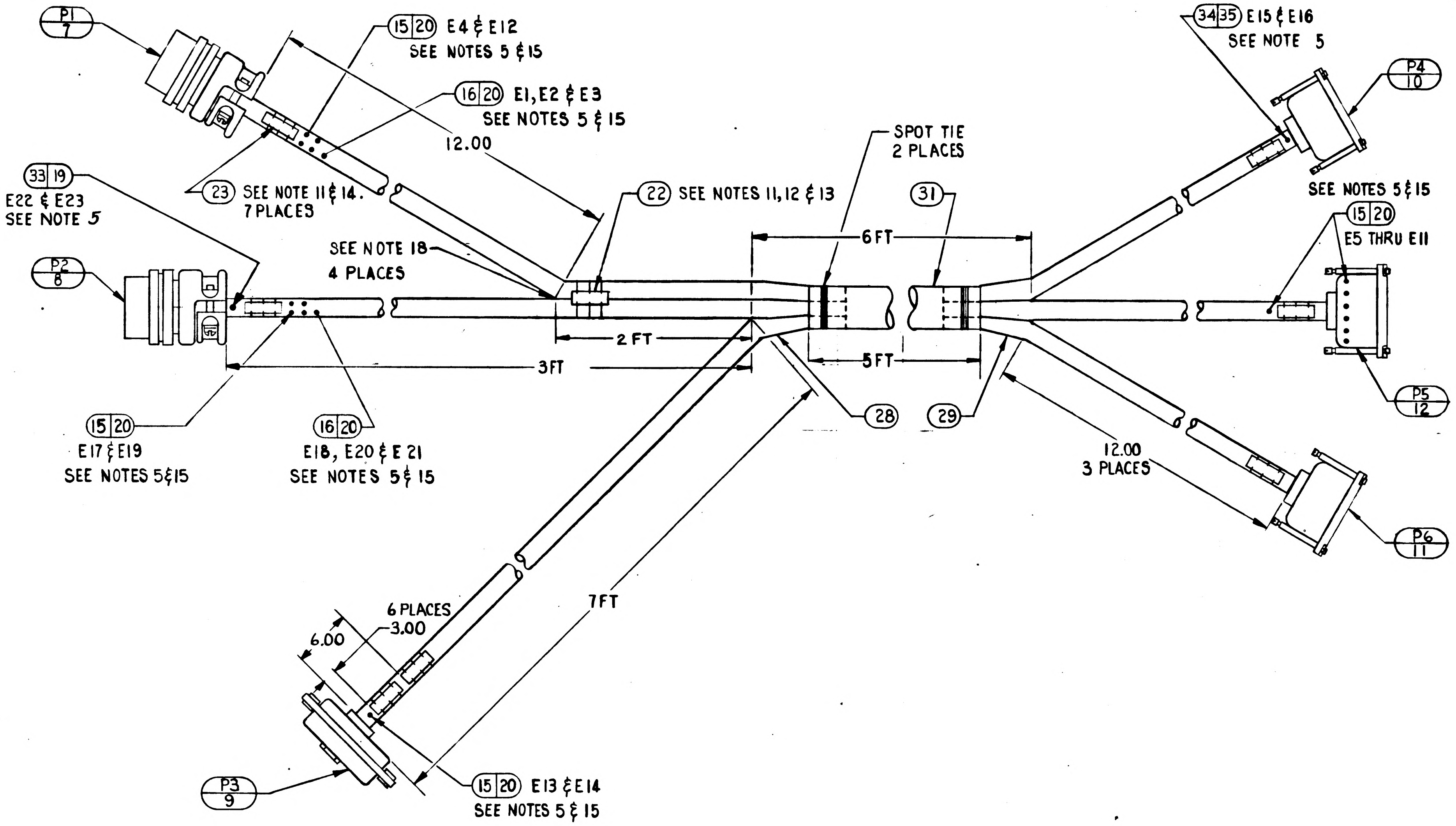
SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR D	SHEET 34 OF ~~34~~ 35

MIL 2084 9-65

D 2900659 2

PLUG NO.	MARKING
P1	W152-P1(J1-TJB)
P2	W152-P2(J2-TJB)
P3	W152-P3(W153-P2)
P3	W152-P3(-ROC)
P4	W152-P4(J5-PSA)
P5	W152-P5(J9-PSA)
P6	W152-P6(J7-PSA)

REVISIONS T22224701					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		See Sht 1 for Rev Status			



P1 7
15 20 E4 & E12 SEE NOTES 5 & 15
16 20 E1, E2 & E3 SEE NOTES 5 & 15
12.00
23 SEE NOTE 11 & 14. 7 PLACES
33 19 E22 & E23 SEE NOTE 5
P2 8
SEE NOTE 18 4 PLACES
22 SEE NOTES 11, 12 & 13
SPOT TIE 2 PLACES
31
6 FT
2 FT
3FT
5 FT
15 20 E17 & E19 SEE NOTES 5&15
16 20 E18, E20 & E21 SEE NOTES 5& 15
28
29
34 35 E15 & E16 SEE NOTE 5
P4 10
SEE NOTES 5&15
15 20 E5 THRU E11
P5 12
12.00 3 PLACES
P6 11
7FT
6 PLACES
3.00
6.00
P3 9
15 20 E13 & E14 SEE NOTES 5 & 15

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
		FRACTIONS + — − DECIMALS + — − ANGLES + — −	DRAWN R.W. Turner DATE 17 NOV. 65 CHECKED 19 Nov 65 APPROVAL E Swanson 19 Nov 65 APPROVAL J W Watson 12-20-65	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W152
		DO NOT SCALE THIS DRAWING		
2900712-011	2900008-011	MATERIAL —	NASA APPROVAL G. Morgan/RSS	CODE IDENT NO. 99974 SIZE D 2900659
NEXT ASSY	USED ON			
APPLICATION		CONTRACT NAS 9-497	MIT APPROVAL 20 Dec 65	SCALE NONE SHEET 35 OF 35

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712·011	2900712-011	B	REPLACES REV A WITH CHANGE PER MXC-207126	2 DEC 65	RJJ JAC
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
		D	REVISED PER TDRR 25851	2 MAR 66	DKD
		E	REVISED PER TDRR 27243	22 MAR 66	LK

REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35

REV STATUS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.W. Turner DATE 23 AUG 65
CHECKED 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL 12-23-65

NASA APPROVAL
MIT APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE
BRANCHED, ELECTRICAL
W152.

CODE IDENT NO.	SIZE		REV
99974	A	2900659	E

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 35

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

6 ITEMS 13 AND 26 FURNISHED WITH ITEMS 7, 8 AND 9

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER.

11 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

NOTE NUMBER — GENERAL NOTES DESCRIPTION

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SERIALIZE PER ND1002023

14 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

15 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

16 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

17 ASSEMBLE PER ND1002032

18 SEPARATE ZIPPER TUBING TO TEAR STOP

19 A LETTER WITH AN ASTERISK INDICATES A LOWER CASE LETTER.

20 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

21 POT PER ND1002009 USING ITEMS 30 AND 37.

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900659-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 227 FT. TOTAL LENGTH
	2	1	2900659-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 120 FT. TOTAL LENGTH
	3	1	2900659-003	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, 392 FT. TOTAL LENGTH
	4	1	2900659-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, WHT/YEL, 40 FT. TOTAL
	5	1	2900659-005	WIRE, COAXIAL MIL-C-17/69A RG 188AU, 60 FT. TOTAL LENGTH
	6	1	2900659-006	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, 190 FT. TOTAL LENGTH
	7	1	MS3126F-24-61SZ	(1897048-614) CONNECTOR PLUG, ELECT.
	8	1	MS3126F-24-61SY	(1897048-613) CONNECTOR PLUG, ELECT.
7	9	1	1897173- 4	CONNECTOR PLUG, ELECT.
	10	1	2900850-011	CONNECTOR PLUG, ELECT., ASSY
	11	1	2900879-011	CONNECTOR PLUG, ELECT., ASSY
	12	1	2900876-011	CONNECTOR PLUG, ELECT., ASSY
	13		MS3192A-20A	(1896877-020) CONTACT SOCKETS
7	14	81	1897300-001	CONTACT, ELECT. SPRING SOCKET
	15		1010763- 1	DELETED

CABLE ASSEMBLY W152 2900659 E

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	34	1010763- 2	SOLDER SLEEVE
7	17	51	1010763- 3	SOLDER SLEEVE
7	18	8	1010490-226	INSULATION SLEEVING
7	19	111	1010490-228	INSULATION SLEEVING
7	20	12	1010490-232	INSULATION SLEEVING
7	21	185	1015864-232	INSULATION SLEEVING
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	7	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1 NO. 18)
	25	AR	MIL-I-631	FILLER TAPE TYPE F, FORM T, (BLACK), GRADE A CLASS I, .62 INCH WIDE, .040 INCH THICK.
	26	71	1010736- 6	CONTACT, SOCKET
	27	1	2900659-007	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 10 FT. TOTAL
20	28	1	2900659-008	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL, 1.250 IN. DIA, 8 FT. TOTAL LENGTH
20	29	1	2900659-009	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL 1.000, 1.000 AND 1.375 IN. DIA, 2 FT.
7	30	104	1897300-002	CONTACT, ELECT. SPRING SOCKET

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 6 OF 35

CABLE ASSEMBLY W152 2900659 E

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
20	31	1	2900659-010	ZIPPER TUBING PER ND1002155, TYPE I, GRAY 1.750 INCH DIA., 5 FT. TOTAL LENGTH
	32	1	2900659-011	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG, WHT/BLU, WHT/RED, 10 FT. TOTAL LENGTH
7	33	15	1016006-001	SPLICE REDUCER
7	34	7	1016006-002	SPLICE REDUCER
7	35	7	1010490-258	INSULATION SLEEVING
7	36	AR	1006834	COMPOUND, SILICONE RUBBER
7	37	AR	1016204	PRIMER FOR SILICONE RUBBER ADHESIVE AND POTTING COMPOUND

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 7 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-W P3-64						NO NO		13	
A	2	3			2.80 3.80	2.50 3.50				A,6A A,63	17, 19 17, 19	
A	2A	1	SHLD A2 E1-B					.25 .38	NO NO			
A	2B	1	P4-B10 SHLD A2					.18 .25	NO NO		21, 30	
A	2L		P1-Q* P4-B11					.22 .18	NO NO		13 14, 21	
A	2R		P1-P* P4-B12					.22 .18	NO NO		13 14, 21	
A	3	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	3A	1	SHLD A3 E1-B					.25 .38	NO NO			
A	3B	1	P4-C10 SHLD A3					.18 .25	NO NO		21, 30	
A	3L		P1-Z* P4-C12					.22 .18	NO NO		13 14, 21	
A	3R		P1-Y* P4-C11					.22 .18	NO NO		13 14, 21	
A	4	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 8 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4A	1	SHLD A4 E1-B					.25 .38	NO NO			
A	4B	1	P4-G7 SHLD A4					.18 .25	NO NO		21, 30	
A	4L		P1-X* P4-H7					.22 .18	NO NO		13 14, 21	
A	4R		P1-W* P4-K7					.22 .18	NO NO		13 14, 21	
A	5	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	5A	1	SHLD A5 E1-B					.25 .38	NO NO			
A	5B	1	P4-G8 SHLD A5					.18 .25	NO NO		21, 30	
A	5L		P1-S* P4-H8					.22 .18	NO NO		13 14, 21	
A	5R		P1-R* P4-K8					.22 .18	NO NO		13 14, 21	
A	6	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	6A	1	SHLD A6 E1-B					.25 .38	NO NO			
A	6B	1	P4-G6 SHLD A6					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 9 OF 35

CABLE ASSEMBLY W152

2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 6L			P1-BB P4-K6					.22 .18	NO NO		13 14, 21	
A 6R			P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A 7	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A 7A	1		SHLD A7 E2-B					.25 .38	NO NO			
A 7B	1		P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A 7L			P1-Z P4-K5					.22 .18	NO NO		13 14, 21	
A 7R			P1-Y P4-H5					.22 .18	NO NO		13 14, 21	
A 8	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 8A	1		SHLD A8 P1-U*					.25 .22	NO NO		 13	
A 8B	1		P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A 8E			P1-T* P4-B14					.22 .18	NO NO		13 21, 30	
A 9	2		P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

CABLE ASSEMBLY W152

2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A 10A	1		SHLD A10 P1-HH					.25 .22	NO NO		 13	
A 10B	1		P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A 10L			P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A 10R			P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A 11	4				3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A 11A	1		SHLD A11 E2-B					.25 .38	NO NO			
A 11L			P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A 11R			P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A 11Y			P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A 12	3				3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A 12A	1		SHLD A12 E2-B					.25 .38	NO NO			

CABLE ASSEMBLY W152

2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12B	1		P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A 12L			P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A 12R			P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A 13	3				3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A 13A	1		SHLD A13 E2-B					.25 .38	NO NO			
A 13B	1		P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A 13L			P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A 13R			P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A 14	3				3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A 14A	1		SHLD A14 P1-P					.25 .22	NO NO		 13	
A 14B	1		P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A 14L			P1-M P5-C1					.22 .18	NO NO		13 14, 21	

CABLE ASSEMBLY W152

2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14R			P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A 15	4				5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A 15A	1		SHLD A15 E2-B					.25 .38	NO NO			
A 15L			P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A 15R			P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A 15Y			E4-BB P5-B8				3.00	.38 .18	NO NO		 14, 21	
A 16	2		P1-V E4-B					.22 .38	NO NO		13	
A 17	2		P1-X E4-B					.22 .38	NO NO		13	
A 18	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 18A	1		SHLD A18 P1-F*					.25 .22	NO NO		 13	
A 18B	1		P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A 18L			P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18R			P1-D* P5-D8					.22 .18	NO NO		13 14, 21	
A 19	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 19A	1		SHLD A19 E19-BB					.25 .38	NO NO			
A 19L			P1-I* E5-BB					.22 .38	NO NO		13	
A 19R			P1-H* E6-BB					.22 .38	NO NO		13	
A 20	2	3.00	E5-B P5-A6					.38 .18	NO NO		 14, 21	
A 21	2	3.00	E6-B P5-A5					.38 .18	NO NO		 14, 21	
A 22	2	3.00	E5-B P5-B6					.38 .18	NO NO		 14, 21	
A 23	2	3.00	E6-B P5-B5					.38 .18	NO NO		 14, 21	
A 24	3				3.80 2.80	3.50 2.50				A,6A B,7	17, 19 19	
A 24A	1		SHLD A24 E19-BB					.25 .38	NO NO			
A 24L			P1-K* E7-BB					.22 .38	NO NO		13	

SIZE A	CODE IDENT NO. 99974	2900659	
SCALE-NONE	REV LTR	E	SHEET 14 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P1-J* E8-BB					.22 .38	NO NO		13	
A 25	2	3.00	E7-B P5-K6					.38 .18	NO NO		 14, 21	
A 26	2	3.00	E8-B P5-H6					.38 .18	NO NO		 14, 21	
A 27	2	3.00	E7-B P5-K7					.38 .18	NO NO		 14, 21	
A 28	2	3.00	E8-B P5-H7					.38 .18	NO NO		 14, 21	
A 29	3				3.80 2.80	3.50 2.50				A,6A A,6B	17, 19 19, 17	
A 29A	1		SHLD A29 P12-BB					.25 .38	NO NO		 13	
A 29B			P1-MM SHLD A29									
A 29L			E9-BB P1-N*					.38 .22	NO NO		 13	
A 29K			E10-BB P1-M*					.38 .22	NO NO		 13	
A 30	2	3.00	E-9-B P5-F9					.38	NO NO		 14, 21	
A 31	2	3.00	E10-B P5-G9					.38 .18	NO NO		 14, 21	

SIZE A	CODE IDENT NO. 99974	2900659	
SCALE-NONE	REV LTR	E	SHEET 15 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	2	3.00	E9-B P5-F8					.38 .18	NO NO		 14, 21	
A 33	2	3.00	E10-B P5-G8					.38 .18	NO NO		 14, 21	
A 34	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 34A	1		SHLD A34 P1-S					.25 .22	NO NO		 13	
A 34B	1		P5-B2 SHLD A34					.18 .25	NO NO		21, 30	
A 34E			P1-R P5-B1					.22 .18	NO NO		13 14, 21	
A 35	2		P1-EE E11-BB					.22 .38	NO NO		13	
A 36	2	6.00	E11-B P5-B3					.38 .18	NO NO		 14, 21	
A 37	2	6.00	E11-B P5-C8					.38 .18	NO NO		 14, 21	
A 38	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 38A	1		SHLD A38 P1-C*					.25 .22	NO NO		 13	
A 38B	1		P5-C9 SHLD A38					.18 .25	NO NO		21, 30	

SIZE A	CODE IDENT NO. 99974	2900659	
SCALE-NONE	REV LTR	E	SHEET 16 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38E			P1-B* P5-B9					.22 .18	NO NO		13 21, 30	
A 39	1		P3-1 P6-A6					.10 .18	NO NO		26 21, 30	
A 40	1		P3-2 P6-B6					.10 .18	NO NO		26 21, 30	
A 41	1		P3-3 P6-C6					.10 .18	NO NO		26 21, 30	
A 42	1		P3-4 P6-A8					.10 .18	NO NO		26 21, 30	
A 43	1		P3-5 P6-B8					.10 .18	NO NO		26 21, 30	
A 44	1		P3-30 P6-A7					.10 .18	NO NO		26 21, 30	
A 45	1		P3-31 P6-B7					.10 .18	NO NO		26 21, 30	
A 46	1		P3-32 P6-C7					.10 .18	NO NO		26 21, 30	
A 47	1		P3-105 P6-D10					.10 .18	NO NO		26 21, 30	
A 48	1		P3-106 P6-D9					.10 .18	NO NO		26 21, 30	
A 49	1		P3-35 P6-F10					.10 .18	NO NO		26 21, 30	

SIZE A	CODE IDENT NO. 99974	2900659	
SCALE-NONE	REV LTR	E	SHEET 17 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	
A 51	6				2.80 3.80	2.50 3.50				A,6B A,6A	16, 19 19, 16	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		 26	
A 51B			E12-BB SHLD A51					.38 .25	NO NO			
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		 26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 18 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .18	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 19 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	
A 57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A 58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A 58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A 59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A 59A	1		SHLD A59 P3-63					.25 .10	NO NO		 26	
A 59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30	
A 59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A 59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A 60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 20 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A 60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	
A 61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A 61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A 62	1	6.00	P3-41 E13-B					.10 .38	NO NO		26	
A 63	1	6.00	P3-83 E13-B					.10 .38	NO NO		26	
A 64	1		E13-BB P6-D15					.38 .18	NO NO		 21, 30	
A 65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A 65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A 66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 21 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66A	1		SHLD A66 P3-45					.25 .10	NO NO		 26	
A	66B	1		E3-8B SHLD A66					.38 .25	NO NO			
A	66L			P3-56 P6-K7					.10 .18	NO NO		26 21, 30	
A	66R			P3-46 P6-K6					.10 .18	NO NO		26 21, 30	
A	67	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	67A	1		SHLD A67 P3-28					.25 .10	NO NO		 26	
A	67B	1		P6-G13 SHLD A67					.18 .25	NO NO		21, 30	
A	67L			P3-20 P6-G15					.10 .18	NO NO		26 21, 30	
A	67R			P3-19 P6-G14					.10 .18	NO NO		26 21, 30	
A	68	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	68A	1		SHLD A68 P3-7					.25 .10	NO NO		 26	
A	68B	1		P6-F13 SHLD A68					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE NONE	REV LTR E	SHEET 22 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	68L			P3-18 P6-F15					.10 .18	NO NO		26 21, 30	
A	68R			P3-17 P6-F14					.10 .18	NO NO		26 21, 30	
A	69	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	69A	1		SHLD A69 P3-26					.25 .10	NO NO		 26	
A	69B	1		P6-C3 SHLD A					.18 .25	NO NO		21, 30	
A	69L			P3-13 P6-B3					.10 .18	NO NO		26 21, 30	
A	69R			P3-12 P6-A3					.10 .18	NO NO		26 21, 30	
A	70	6				5.30 4.80	5.00 4.50				A,6B A,6B	16, 19 16, 19	
A	70A	1		SHLD A70 P3-34					.25 .10	NO NO		 26	
A	70B	1		P6-C2 SHLD A70					.18	NO NO		21, 30	
A	70L			E14-8B P6-B1				3.50	.38 .18	NO NO		 21, 30	SEE CONFIG.
A	70R			P3-9 P6-B2					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE NONE	REV LTR E	SHEET 23 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	71	1		P3-22 E14-B					.10 .38	NO NO		26	
A	72	1		P3-94 E14-B					.10 .38	NO NO		26	
A	73	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	73A	1		SHLD A73 P3-39					.25 .10	NO NO		 26	
A	73B	1		P6-G4 SHLD A73					.18 .25	NO NO		21, 30	
A	73L			P3-24 P6-G6					.10 .18	NO NO		26 21, 30	
A	73R			P3-25 P6-G5					.10 .18	NO NO		26 21, 30	
A	74	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	74A	1		SHLD A74 P3-49					.25 .10	NO NO		 26	
A	74B	1		P6-H3 SHLD A74					.18 .25	NO NO		21, 30	
A	74L			P3-53 P6-H1					 .18	NO NO		26 21, 30	
A	74R			P3-54 P6-H2					 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE NONE	REV LTR E	SHEET 24 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	75A	1		SHLD A75 P3-47					.25 .10	NO NO		 26	
A	75B	1		P6-G3 SHLD A75					.18 .25	NO NO		21, 30	
A	75L			P3-48 P6-G2					.10 .18	NO NO		26 21, 30	
A	75R			P3-51 P6-G1					.10 .18	NO NO		26 21, 30	
A	76	32				3.30 5.30	3.00 5.00				A,6A B,7	17, 19 19	
A	76A	1		SHLD A76 E19					.25 .25	NO NO			
A	76L			E23-B E15-8B					.31 .38	NO NO			
A	76R			E22-B E16-8B					.31 .38	NO NO			
A	77	2	6.00	E15-B P4-B9					.38 .18	NO NO		 21, 30	
A	78	2	6.00	E16-B P4-B8					.38 .18	NO NO		 21, 30	
A	79	2	6.00	E15-B P4-C9					.38 .18	NO NO		 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE NONE	REV LTR E	SHEET 25 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 80	2	6.00	E16-B P4-C8					.38 .18	NO NO		 21, 30	
A 81	3				3.30 4.30	3.00 4.00				A,6A B,7	17, 19 19	
A 81A	1		SHLD A81 E19-B					.25 .38	NO NO			
A 81L			P2-R* P4-H14					.22 .18	NO NO		13 14, 21	
A 81R			P2-Q* P4-H15					.22 .18	NO NO		13 14, 21	
A 82	3				3.30 4.30	3.00 4.00				A,6B B,7	17, 19 19	
A 82A	1		SHLD A82 P2-PP					.25 .22	NO NO		 13	
A 82L			P2-T* P4-G15					.22 .18	NO NO		13 14, 21	
A 82R			P2-S* P4-C14					.22 .18	NO NO		13 14, 21	
A 83	3				5.80 4.30	5.50 4.00				B,7 B,7	19 19	
A 83L			E17-BB P4-F13				4.00	.38 .18	NO NO		 14, 21	
A 83R			P2-W* P4-F15					.22 .18	NO NO		13 14, 21	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 26 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 84	2	4.00	P2-X* E17-B					.22 .38	NO NO		13	
A 85	2	4.00	P2-CC E17-B					.22 .38	NO NO		13	
A 86	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 86A	1		SHLD A86 P2-LL					.25 .22	NO NO		 13	
A 86B	1		P4-C14 SHLD A86					.18 .25	NO NO		21, 30	
A 86E			P2-KK P4-C15					.22 .18	NO NO		13 14, 21	
A 87	3				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 87L			P2-NN P4-D15					.22 .18	NO NO		13 14, 21	
A 87P			P2-MM P4-D14					.22 .18	NO NO		13 14, 21	
A 88	4				3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A 88A	1		SHLD A88 E18-B					.25 .38	NO NO			
A 88L			P2-E P4-K13					.22 .18	NO NO		13 14, 21	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 27 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88R			P2-D P4-K12					.22 .18	NO NO		13 14, 21	
A 88Y			P2-F P4-H13					.22 .18	NO NO		13 14, 21	
A 89	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 89A	1		SHLD A89 P2-Z*					.25 .22	NO NO		 13	
A 89B	1		P4-G1 SHLD A89					.18 .25	NO NO		21, 30	
A 89L			P2-L P4-F1					.22 .18	NO NO		13 14, 21	
A 89R			P2-K P4-F2					.22 .18	NO NO		13 14, 21	
A 90	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 90A	1		SHLD A90 E18-B					.25 .38	NO NO			
A 90B	1		P4-A6 SHLD A90					.18 .25	NO NO		21, 30	
A 90L			P2-N P4-C6					.22 .18	NO NO		13 14, 21	
A 90R			P2-M P4-B6					.22 .18	NO NO		13 14, 21	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 28 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 91A	1		SHLD A91 E18-B					.25 .38	NO NO			
A 91B	1		P4-G2 SHLD A91					.18 .25	NO NO		21, 30	
A 91L			P2-R P4-H2					.22 .18	NO NO		13 14, 21	
A 91R			P2-P P4-H1					.22 .18	NO NO		13 14, 21	
A 92	4				3.80 4.80	3.50 4.50				A,6A B,7	17, 18 18	
A 92A	1		SHLD A92 E18-B					.25 .38	NO NO			
A 92L			P2-V P4-G13					.22 .18	NO NO		13 14, 21	
A 92R			P2-U P4-G12					.22 .18	NO NO		13 14, 21	
A 92Y			P2-W P4-H12					.22 .18	NO NO		13 14, 21	
A 93	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 93A	1		SHLD A93 P2-C*					.25 .22	NO NO		 13	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 29 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	1		P4-K10 SHLD A93					.18 .25	NO NO		21, 30	
A 93E			P2-B* P4-H10					.22 .18	NO NO		13 21, 30	
A 94	2		P2-A* P4-G10					.22 .18	NO NO		13 14	
A 95	2		P2-D* P4-F3					.22 .18	NO NO		13 14	
A 96	3				4.30 5.30	4.00 5.00				A,6B A,6B	17, 19 17, 19	
A 96A	1		SHLD A96 P2-Y*					.25 .22	NO NO		 13	
A 96B	1		P4-B3 SHLD A96					.18 .25	NO NO		21, 30	
A 96L			P2-F* P4-B1					.22 .18	NO NO		13 14, 21	
A 96R			P2-E* P4-B2					.22 .18	NO NO		13 14, 21	
A 97	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 97A			SHLD A97 E20-B					.25 .38	NO NO			
A 97B	1		P4-A5 SHLD A97					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 30 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97L			P2-H* P4-A3					 .18	NO NO		13 14, 21	
A 97R			P2-G* P4-A4					 .18	NO NO		13 14, 21	
A 98	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 98A	1		SHLD A98 E20-B					.25 .38	NO NO			
A 98B	1		P4-C5 SHLD A98					.18 .25	NO NO		21, 30	
A 98L			P2-J* P4-D5					.22 .18	NO NO		13 14, 21	
A 98R			P2-I* P4-F5					.22 .18	NO NO		13 14, 21	
A 99	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 99A	1		SHLD A99 E20-B					.25 .38	NO NO			
A 99B	1		P4-C4 SHLD A99					.18 .25	NO NO		21, 30	
A 99L			P2-M* P4-D4					.22 .18	NO NO		13 14, 21	
A 99R			P2-K* P4-F4					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 31 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 100A	1		SHLD A100 E20-B					.25 .38	NO NO			
A 100B	1		P4-G3 SHLD A100					.18 .25	NO NO		21, 30	
A 100L			P2-EE P4-H3					.22 .18	NO NO		13 14, 21	
A 100R			P2-DD P4-K3					.22 .18	NO NO		13 14, 21	
A 101	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 101A	1		SHLD A101 E20-B					.25 .38	NO NO			
A 101B	1		P4-G4 SHLD A101					.18 .25	NO NO		21, 30	
A 101L			P2-HH P4-K4					.22 .18	NO NO		13 14, 21	
A 101R			P2-GG P4-H4					.22 .18	NO NO		13 14, 21	
A 102	2		P2-B E19-B					.22 .38	NO NO		13	
A 103	1		P2-AA P3-11					.22 .10	NO NO		13 26	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 32 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 104	1		P2-BB P3-10					.22 .10	NO NO		13 26	
A 105	1		P2-V* P3-29					.22 .10	NO NO		13 26	
A 106	1		P2-FF P3-91					.22 .18	NO NO		13 14, 21	
A 107	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 107A	1		SHLD A107 P2-J					.25 .22	NO NO		 13	
A 107B	1		P4-H9 SHLD A107					.18 .25	NO NO		21, 30	
A 107E			P2-H P4-K9					.22 .18	NO NO		13 21, 30	
A 108	2		E20-BB P4-G9					.38 .18	NO NO		 14, 21	
A 109	2		E1-BB E3-B					.38 .38	NO NO			
A 110	2		E2-BB E3-B					.38 .38	NO NO			
A 111	2		P1-B E3-B					.22 .38	NO NO		13	
A 112	2		E18-BB E3-BB					.38 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 33 OF 35

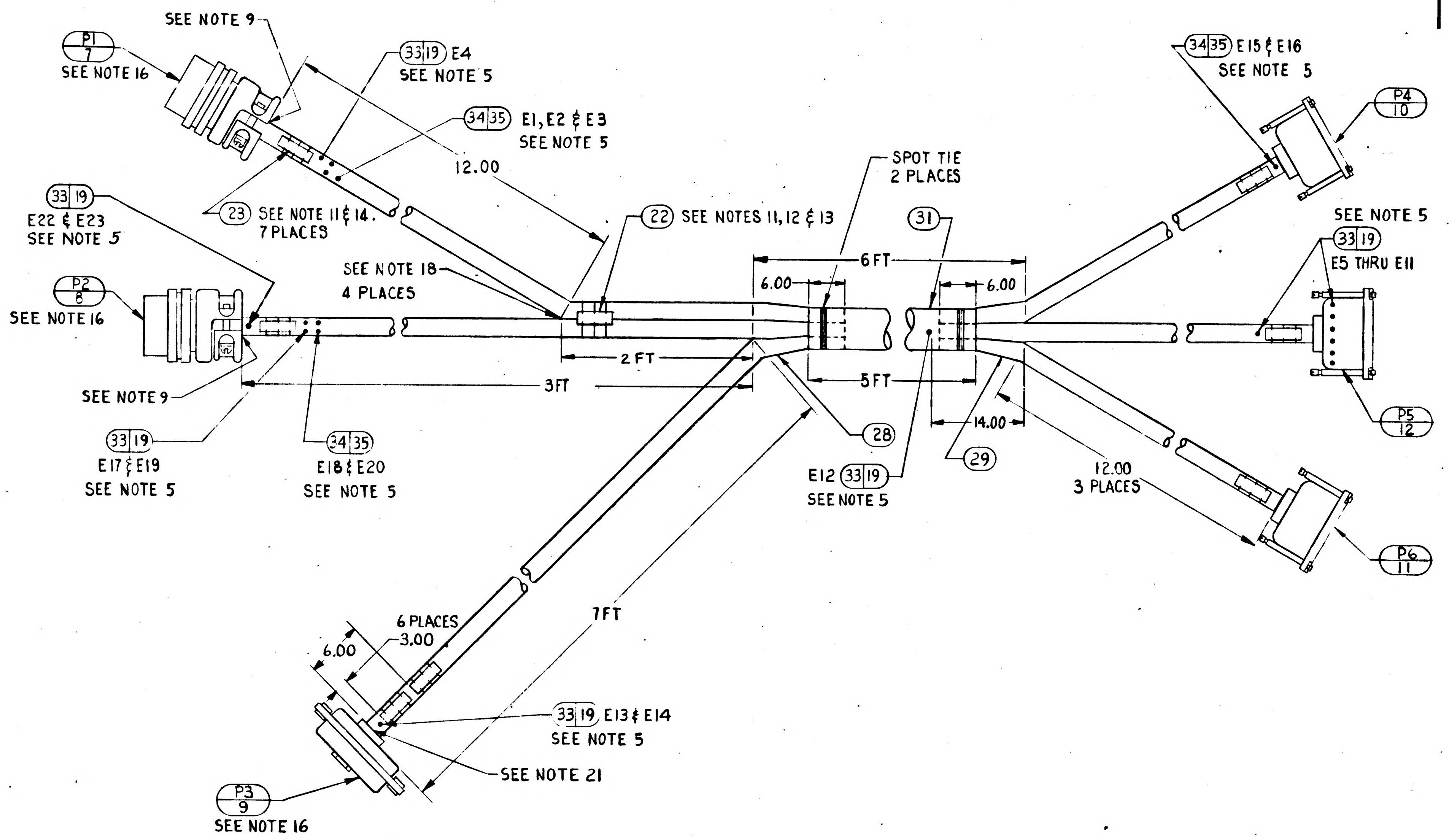
LEAD IDENT	WIRE MATL ITEM	LEAD LG.	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	2		E20-BB E3-BB					.38 .38	NO NO			
A 114	2	6.00	E15-B P4-A9					.31 .18	NO NO		21, 30	
A 115	2	6.00	E16-B P4-A8					.31 .18	NO NO		21, 30	
A 116	2	6.00	E15-B P4-D9					.31 .18	NO NO		21, 30	
A 117	2	6.00	E16-B P4-D8					.31 .18	NO NO		21, 30	
A 118	2	6.00	E15-B P4-F9					.31 .18	NO NO		21, 30	
A 119	2	6.00	E16-8 P4-F8					.31 .18	NO NO		21, 30	
A 120	2	4.00	P2-P* E23-BB					.22 .31	NO NO		13	
A 121	2	4.00	P2-N* E22-BB					.22 .31	NO NO		13	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE NONE	REV LTR F	SHEET 34 OF 35

E 2900659

PLUG NO.	MARKING
P1	W152-P1(J1-TJB)
P2	W152-P2(J2-TJB)
P3	W152-P3(W153-P2)
P3	W152-P3(-ROC)
P4	W152-P4(J5-PSA)
P5	W152-P5(J9-PSA)
P6	W152-P6(J7-PSA)

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		See Sht 1 for Rev Status			



SEE NOTE 9
P1 7
SEE NOTE 16
33 19 E4
SEE NOTE 5
34 35 E1, E2 & E3
SEE NOTE 5
12.00
23 SEE NOTE 11 & 14. 7 PLACES
33 19
E22 & E23
SEE NOTE 5
P2 8
SEE NOTE 16
22 SEE NOTES 11, 12 & 13
SPOT TIE 2 PLACES
31
6 FT
6.00
6.00
SEE NOTE 18 4 PLACES
2 FT
5 FT
3 FT
SEE NOTE 9
28
33 19 E17 & E19 SEE NOTE 5
34 35 E18 & E20 SEE NOTE 5
E12 33 19 SEE NOTE 5
14.00
29
12.00 3 PLACES
34 35 E15 & E16
SEE NOTE 5
P4 10
SEE NOTE 5
33 19
E5 THRU E11
P5 12
P6 11
7 FT
6 PLACES
3.00
6.00
33 19 E13 & E14
SEE NOTE 5
SEE NOTE 21
P3 9
SEE NOTE 16

2900712-011	2900008-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. W. Turner DATE 17 NOV. 65
CHECKED 19 Nov 65
APPROVAL E. Swanson 19 Nov 65
APPROVAL 12-23-65
NASA APPROVAL
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED,
W 152

CODE IDENT NO 99974
SIZE D
2900659
SCALE NONE
SHEET 35 OF 35

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712·011	2900712·011	B	REPLACES REV A WITH CHANGE PER MXC-207126	2 DEC 65	RJJ JAC
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
	Ⓜ	D	REVISED PER TDRR 25851	2 MAR 66	DKD
		E	REVISED PER TDRR 27243	22 MAR 66	LK
		F	REVISED PER TDRR 27263	31 MAR 66	JJJ

REV		E	E	E	E	E	E	E	E	E	E	E	E	E	F							
SHEET		22	23	24	25	26	27	28	29	30	31	32	33	34	35							
REV STATUS	REV			F	F	F	E	F	F	F	E	E	E	E	E	E	F	F	F	E	E	E	E	E
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.W. Turner DATE 23 AUG 65
CHECKED Malikowski 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL 12-23-65

CABLE ASSEMBLY, SPECIAL PURPOSE
BRANCHED, ELECTRICAL
W152.

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900659	F

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 35

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
6	ITEMS 13 AND 26 FURNISHED WITH ITEMS 7, 8 AND 9
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD E - GRAY L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE X - COAX OUTER CONDUCTOR Y - WHITE WITH YELLOW TRACER.
11	SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 2 OF 35

NOTE NUMBER	GENERAL NOTES DESCRIPTION
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SERIALIZE PER ND1002023
14	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019, CENTRALIZE.
15	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
16	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
17	ASSEMBLE PER ND1002032
18	SEPARATE ZIPPER TUBING TO TEAR STOP
19	A LETTER WITH AN ASTERISK INDICATES A LOWER CASE LETTER.
20	ZIPPER TUBING SHALL HAVE Z TYPE TRACK.
21	POT PER ND1002009 USING ITEMS 30 AND 37. POTTING MATERIAL TO EXTEND 1/4 INCH ABOVE OUTER EDGE OF CONNECTOR.
22	ITEM 38 TO BE FURNISHED WITH ITEMS 7 AND 8.

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 3 OF 35

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 4 OF 35

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900659-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 227 FT. TOTAL LENGTH
	2	1	2900659-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 120 FT. TOTAL LENGTH
	3	1	2900659-003	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, 392 FT. TOTAL LENGTH
	4	1	2900659-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, WHT/YEL, 40 FT. TOTAL
	5	1	2900659-005	WIRE, COAXIAL MIL-C-17/69A RG 188AU, 60 FT. TOTAL LENGTH
	6	1	2900659-006	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, 190 FT. TOTAL LENGTH
	7	1	MS3126F-24-61SZ	(1897048-614) CONNECTOR PLUG, ELECT.
	8	1	MS3126F-24-61SY	(1897048-613) CONNECTOR PLUG, ELECT.
7	9	1	1897173- 4	CONNECTOR PLUG, ELECT.
	10	1	2900850-011	CONNECTOR PLUG, ELECT., ASSY
	11	1	2900879-011	CONNECTOR PLUG, ELECT., ASSY
	12	1	2900876-011	CONNECTOR PLUG, ELECT., ASSY
	13		MS3193A-20A ~~MS3192A-20A~~	(1896877-020) CONTACT SOCKETS
7	14	81	1897300-001	CONTACT, ELECT. SPRING SOCKET
	15		1010763- 1	DELETED

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 5 OF 35

CABLE ASSEMBLY W152 2900659 F

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	34	1010763- 2	SOLDER SLEEVE
7	17	51	1010763- 3	SOLDER SLEEVE
7	18	8	1010490-226	INSULATION SLEEVING
7	19	111	1010490-228	INSULATION SLEEVING
7	20	12	1010490-232	INSULATION SLEEVING
7	21	185	1015864-232	INSULATION SLEEVING
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	7	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1 NO. 18)
	25	AR	MIL-I-631	FILLER TAPE TYPE F, FORM T, (BLACK), GRADE A CLASS 1, .62 INCH WIDE, ~~.040~~ .020 INCH THICK.
	26	108 ~~[illegible]~~	1010736- 6	CONTACT, SOCKET
	27	1	2900659-007	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 10 FT. TOTAL
20	28	1	2900659-008	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL, 1.250 IN. DIA, 8 FT. TOTAL LENGTH
20	29	1	2900659-009	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL 1.000, 1.000 AND 1.375 IN. DIA, 2 FT.
7	30	104	1897300-002	CONTACT, ELECT. SPRING SOCKET

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR F
SHEET 6 OF 35

CABLE ASSEMBLY W152 2900659 F

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
20	31	1	2900659-010	ZIPPER TUBING PER ND1002155, TYPE I, GRAY ~~1.750~~ 2.250 INCH DIA., 5 FT. TOTAL LENGTH
	32	1	2900659-011	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG, WHT/BLU, WHT/RED, 10 FT. TOTAL LENGTH
7	33	15	1016006-001	SPLICE REDUCER
7	34	7	1016006-002	SPLICE REDUCER
7	35	7	1010490-258	INSULATION SLEEVING
7	36	AR	1006834	COMPOUND, SILICONE RUBBER
7	37	AR	1016204	PRIMER FOR SILICONE RUBBER ADHESIVE AND POTTING COMPOUND
22	38		1010282-24	RUBBER GROMMET

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR F
SHEET 7 OF 35

CABLE ASSEMBLY W152 2900659 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1		P1-W P3-64						NO NO		13	
A	2	3				2.80 3.80	2.50 3.50				A,6A A,63	17, 19 17, 19	
A	2A	1		SHLD A2 E1-B					.25 .38	NO NO			
A	2B	1		P4-B10 SHLD A2					.18 .25	NO NO		21, 30	
A	2L			P1-Q* P4-B11					.22 .18	NO NO		13 14, 21	
A	2R			P1-P* P4-B12					.22 .18	NO NO		13 14, 21	
A	3	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	3A	1		SHLD A3 E1-B					.25 .38	NO NO			
A	3B	1		P4-C10 SHLD A3					.18 .25	NO NO		21, 30	
A	3L			P1-Z* P4-C12					.22 .18	NO NO		13 14, 21	
A	3R			P1-Y* P4-C11					.22 .18	NO NO		13 14, 21	
A	4	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 8 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4A	1		SHLD A4 E1-B					.25 .38	NO NO			
A	4B	1		P4-G7 SHLD A4					.18 .25	NO NO		21, 30	
A	4L			P1-X* P4-H7					.22 .18	NO NO		13 14, 21	
A	4R			P1-W* P4-K7					.22 .18	NO NO		13 14, 21	
A	5	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	5A	1		SHLD A5 E1-B					.25 .38	NO NO			
A	5B	1		P4-G8 SHLD A5					.18 .25	NO NO		21, 30	
A	5L			P1-S* P4-H8					.22 .18	NO NO		13 14, 21	
A	5R			P1-R* P4-K8					.22 .18	NO NO		13 14, 21	
A	6	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	6A	1		SHLD A6 E1-B					.25 .38	NO NO			
A	6B	1		P4-G6 SHLD A6					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 9 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 6L			P1-BB P4-K6					.22 .18	NO NO		13 14, 21	
A 6K			P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A 7	3				2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A 7A	1		SHLD A7 E2-B					.25 .38	NO NO			
A 7B	1		P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A 7L			P1-Z P4-K5					.22 .18	NO NO		13 14, 21	
A 7R			P1-Y P4-H5					.22 .18	NO NO		13 14, 21	
A 8	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 8A	1		SHLD A8 P1-U*					.25 .22	NO NO		 13	
A 8B	1		P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A 8E			P1-T* P4-B14					.22 .18	NO NO		13 21, 30	
A 9	2		P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 10 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A 10A	1		SHLD A10 P1-HH					.25 .22	NO NO		 13	
A 10B	1		P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A 10L			P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A 10K			P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A 11	4				3.30 4.30	3.00 4.00				A,5A B,7	17, 18 18	
A 11A	1		SHLD A11 E2-B					.25 .38	NO NO			
A 11L			P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A 11K			P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A 11Y			P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A 12	3				3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A 12A	1		SHLD A12 E2-B					.25 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 11 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12B	1		P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A 12L			P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A 12K			P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A 13	3				3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A 13A	1		SHLD A13 E2-B					.25 .38	NO NO			
A 13B	1		P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A 13L			P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A 13K			P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A 14	3				3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A 14A	1		SHLD A14 P1-P					.25 .22	NO NO		 13	
A 14B	1		P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A 14L			P1-M P5-C1					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 12 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14K			P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A 15	4				5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A 15A	1		SHLD A15 E2-B					.25 .38	NO NO			
A 15L			P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A 15K			P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A 15Y			E4-BB P5-B8				3.00	.38 .18	NO NO		 14, 21	
A 16	2		P1-V E4-B					.22 .38	NO NO		13	
A 17	2		P1-X E4-B					.22 .38	NO NO		13	
A 18	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 18A	1		SHLD A18 P1-F*					.25 .22	NO NO		 13	
A 18B	1		P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A 18L			P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 13 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	
A 51	6				2.80 3.80	2.50 3.50				A,6B A,6A	16, 19 19, 16	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		 26	
A 51B			E12-8B SHLD A51					.38 .25	NO NO			
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		 26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR F
SHEET 18 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .18	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 19 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	
A 57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A 58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A 58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A 59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A 59A	1		SHLD A59 P3-63					.25 .10	NO NO		 26	
A 59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30	
A 59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A 59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A 60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 20 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A 60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	
A 61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A 61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A 62	1	6.00	P3-41 E13-8					.10 .38	NO NO		26	
A 63	1	6.00	P3-83 E13-8					.10 .38	NO NO		26	
A 64	1		E13-8B P6-D15					.38 .18	NO NO		 21, 30	
A 65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A 65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A 66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 21 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66A	1		SHLD A66 P3-45					.25 .10	NO NO		 26	
A	66B	1		E3-BB SHLD A66					.38 .25	NO NO			
A	66L			P3-56 P6-K7					.10 .18	NO NO		26 21, 30	
A	66R			P3-46 P6-K6					.10 .18	NO NO		26 21, 30	
A	67	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	67A	1		SHLD A67 P3-28					.25 .10	NO NO		 26	
A	67B	1		P6-G13 SHLD A67					.18 .25	NO NO		21, 30	
A	67L			P3-20 P6-G15					.10 .18	NO NO		26 21, 30	
A	67R			P3-19 P6-G14					.10 .18	NO NO		26 21, 30	
A	68	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	68A	1		SHLD A68 P3-7					.25 .10	NO NO		 26	
A	68B	1		P6-F13 SHLD A68					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 22 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	68L			P3-18 P6-F15					.10 .18	NO NO		26 21, 30	
A	68R			P3-17 P6-F14					.10 .18	NO NO		26 21, 30	
A	69	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	69A	1		SHLD A69 P3-26					.25 .10	NO NO		 26	
A	69B	1		P6-C3 SHLD A					.18 .25	NO NO		21, 30	
A	69L			P3-13 P6-B3					.10 .18	NO NO		26 21, 30	
A	69R			P3-12 P6-A3					.10 .18	NO NO		26 21, 30	
A	70	6				5.30 4.80	5.00 4.50				A,6B A,6B	16, 19 16, 19	
A	70A	1		SHLD A70 P3-34					.25 .10	NO NO		 26	
A	70B	1		P6-C2 SHLD A70					.18	NO NO		21, 30	
A	70L			E14-BB P6-B1				3.50	.38 .18	NO NO		 21, 30	SEE CONFIG.
A	70R			P3-9 P6-B2					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 23 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	71	1		P3-22 E14-B					.10 .38	NO NO		26	
A	72	1		P3-94 E14-B					.10 .38	NO NO		26	
A	73	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A	73A	1		SHLD A73 P3-39					.25 .10	NO NO		 26	
A	73B	1		P6-G4 SHLD A73					.18 .25	NO NO		21, 30	
A	73L			P3-24 P6-G6					.10 .18	NO NO		26 21, 30	
A	73R			P3-25 P6-G5					.10 .18	NO NO		26 21, 30	
A	74	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	74A	1		SHLD A74 P3-49					.25 .10	NO NO		 26	
A	74B	1		P6-H3 SHLD A74					.18 .25	NO NO		21, 30	
A	74L			P3-53 P6-H1					 .18	NO NO		26 21, 30	
A	74R			P3-54 P6-H2					 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 24 OF 35

CABLE ASSEMBLY W152 2900659 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A	75A	1		SHLD A75 P3-47					.25 .10	NO NO		 26	
A	75B	1		P6-G3 SHLD A75					.18 .25	NO NO		21, 30	
A	75L			P3-48 P6-G2					.10 .18	NO NO		26 21, 30	
A	75R			P3-51 P6-G1					.10 .18	NO NO		26 21, 30	
A	76	32				3.30 5.30	3.00 5.00				A,6A B,7	17, 19 19	
A	76A	1		SHLD A76 E19					.25 .25	NO NO			
A	76L			E23-B E15-BB					.31 .38	NO NO			
A	76R			E22-B E16-BB					.31 .38	NO NO			
A	77	2	6.00	E15-B P4-B9					.38 .18	NO NO		 21, 30	
A	78	2	6.00	E16-B P4-B8					.38 .18	NO NO		 21, 30	
A	79	2	6.00	E15-B P4-C9					.38 .18	NO NO		 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 25 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P1-BB P4-K6					.22 .16	NO NO		13 14, 21	
A	6R		P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A	7	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	7A	1	SHLD A7 E2-B					.25 .38	NO NO			
A	7B	1	P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A	7L		P1-Z P4-K5					.22 .18	NO NO		13 14, 21	
A	7R		P1-Y P4-H5					.22 .18	NO NO		13 14, 21	
A	8	5			3.30 3.30	[illegible] 3.[illegible]0				A,6B A,6B	16, 20 16, 20	
A	8A	1	SHLD A8 P1-U*					.25 .22	NO NO		 13	
A	8B	1	P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A	8E		P1-T* P4-B14					.22 .18	NO NO		13 21, 39	
A	9	2	P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 10 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	10A	1	SHLD A10 P1-HH					.25 .22	NO NO		 13	
A	10B	1	P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A	10L		P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A	10R		P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A	11	4			3.30 4.30	3.00 4.00				A,6A 6,7	17, 18 18	
A	11A	1	SHLD A11 E2-B					.25 .38	NO NO			
A	11L		P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A	11R		P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A	11Y		P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A	12	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	12A	1	SHLD A12 E2-B					.25 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 11 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12B	1	P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A	12L		P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A	12R		P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A	13	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	13A	1	SHLD A13 E2-B					.25 .38	NO NO			
A	13B	1	P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A	13L		P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A	13R		P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A	14	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	14A	1	SHLD A14 P1-P					.25 .22	NO NO		 13	
A	14B	1	P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A	14L		P1-M P5-C1					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 12 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	14R		P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A	15	4			5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A	15A	1	SHLD A15 E2-B					.25 .38	NO NO			
A	15L		P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A	15R		P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A	15Y		E4-BB P5-B8				3.00	.38 .18	NO NO		 14, 21	
A	16	2	P1-V E4-B					.22 .38	NO NO		13	
A	17	2	P1-X E4-B					.22 .38	NO NO		13	
A	18	3			3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A	18A	1	SHLD A18 P1-F*					.25 .22	NO NO		 13	
A	18B	1	P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A	18L		P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 13 OF 35

CABLE ASSEMBLY W152 2900659 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18R			P1-D* P5-D8					.22 .18	NO NO		13 14, 21	
A 19	3				3.80 ~~2.30~~ 1.80	3.50 ~~2.30~~ 1.50				A,6A B,7	17, 19 19	
A 19A	1		SHLD A19 E19-BB					.25 .38	NO NO			
A 19L			P1-I* E5-B6					.22 .38	NO NO		13	
A 19R			P1-H* E6-BB					.22 .38	NO NO		13	
A 20	2	4.00 ~~3.00~~	E5-B P5-A6					.38 .18	NO NO		 14, 21	
A 21	2	4.00 ~~3.00~~	E6-B P5-A5					.38 .18	NO NO		 14, 21	
A 22	2	4.00 ~~3.00~~	E5-B P5-B6					.38 .18	NO NO		 14, 21	
A 23	2	4.00 ~~3.00~~	E6-B P5-B5					.38 .18	NO NO		 14, 21	
A 24	3				3.80 ~~2.80~~ 1.80	3.50 ~~2.30~~ 1.50				A,6A B,7	17, 19 19	
A 24A	1		SHLD A24 E19-BB					.25 .38	NO NO			
A 24L			P1-K* E7-BB					.22 .38	NO NO		13	

SIZE A | CODE IDENT NO. 99974 | 2900659

SCALE-NONE | REV LTR F | SHEET 14 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P1-J* E8-BB					.22 .38	NO NO		13	
A 25	2	4.00	E7-B P5-K6					.38 .16	NO NO		 14, 21	
A 26	2	4.00	E8-B P5-H6					.38 .18	NO NO		 14, 21	
A 27	2	4.00	E7-B P5-K7					.38 .18	NO NO		 14, 21	
A 28	2	4.00	E8-B P5-H7					.38 .18	NO NO		 14, 21	
A 29	3				3.80 1.80	3.50 1.50				A,6A A,6B	17, 19 19, 17	
A 29A	1		SHLD A29 P12-BB					.25 .38	NO NO		 13	
A 29B	1		P1-MM SHLD A29									
A 29L			E9-BB P1-N*					.38 .22	NO NO		 13	
A 29R			E10-BB P1-M*					.38 .22	NO NO		 13	
A 30	2	4.00	E-9-B P5-F9					.38	NO NO		 14, 21	
A 31	2	4.00	E10-B P5-G9					.38 .18	NO NO		 14, 21	

SIZE A | CODE IDENT NO. 99974 | 2900659

SCALE-NONE | REV LTR G | SHEET 15 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	2	4.00	E9-B P5-F8					.38 .18	NO NO		 14, 21	
A 33	2	4.00	E10-B P5-G8					.38 .18	NO NO		 14, 21	
A 34	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 34A	1		SHLD A34 P1-S					.25 .22	NO NO		 13	
A 34B	1		P5-B2 SHLD A34					.18 .25	NO NO		21, 30	
A 34F			P1-R P5-B1					.22 .18	NO NO		13 39, 21	
A 35	2		P1-EE E11-BB					.22 .39	NO NO		13	
A 36	2	6.00	E11-B P5-B3					.38 .18	NO NO		 14, 21	
A 37	2	6.00	E11-B P5-C8					.38 .18	NO NO		 14, 21	
A 38	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 38A	1		SHLD A38 P1-C*					.25 .22	NO NO		 13	
A 38B	1		P5-C9 SHLD A38					.18 .25	NO NO		21, 30	

SIZE A | CODE IDENT NO. 99974 | 2900659

SCALE-NONE | REV LTR G | SHEET 16 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38F			P1-B* P5-B9					.22 .18	NO NO		13 21, 39	
A 39	1		P3-1 P6-A6					.10 .18	NO NO		26 21, 30	
A 40	1		P3-2 P6-B6					.10 .18	NO NO		26 21, 30	
A 41	1		P3-3 P5-C6					.10 .18	NO NO		26 21, 30	
A 42	1		P3-4 P6-A8					.10 .18	NO NO		26 21, 30	
A 43	1		P3-5 P6-B8					.10 .18	NO NO		26 21, 30	
A 44	1		P3-30 P6-A7					.10 .18	NO NO		26 21, 30	
A 45	1		P3-31 P6-B7					.10 .18	NO NO		26 21, 30	
A 46	1		P3-32 P6-C7					.10 .18	NO NO		26 21, 30	
A 47	1		P3-105 P6-D10					.10 .18	NO NO		26 21, 30	
A 48	1		P3-106 P6-D9					.10 .18	NO NO		26 21, 30	
A 49	1		P3-35 P6-F10					.10 .18	NO NO		26 21, 30	

SIZE A | CODE IDENT NO. 99974 | 2900659

SCALE-NONE | REV LTR G | SHEET 17 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	
A 51	6				2.80 3.80	2.50 3.50				A,6B A,6A	16, 19 19, 16	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		26	
A 51B	1		E12-BB SHLD A51					.38 .25	NO NO			
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR G
SHEET 18 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .13	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR F
SHEET 19 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	
A 57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A 58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A 58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A 59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A 59A	1		SHLD A59 P3-63					.25 .10	NO NO		26	
A 59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30	
A 59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A 59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A 60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 20 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A 60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	
A 61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A 61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A 62	1	6.00	P3-41 E13-B					.10 .38	NO NO		26	
A 63	1	6.00	P3-83 E13-B					.10 .38	NO NO		26	
A 64	1		E13-BB P6-D15					.38 .18	NO NO		21, 30	
A 65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A 65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A 66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 21 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66A	1		SHLD A66 P3-45					.25 .10	NO NO		 26	
A 66B	1		E3-B8 SHLD A66					.38 .25	NO NO			
A 66L			P3-56 P6-K7					.10 .18	NO NO		26 21, 30	
A 66R			P3-46 P6-K6					.10 .18	NO NO		26 21, 30	
A 67	6				3.80 4.80	3.50 4.50				A,68 A,6B	16, 19 16, 19	
A 67A	1		SHLD A67 P3-28					.25 .10	NO NO		 26	
A 67B	1		P6-G13 SHLD A67					.18 .25	NO NO		21, 30	
A 67L			P3-20 P6-G15					.10 .18	NO NO		26 21, 30	
A 67R			P3-19 P6-G14					.10 .18	NO NO		26 21, 30	
A 68	6				3.80 4.80	3.50 4.50				A,68 A,68	16, 19 16, 19	
A 68A	1		SHLD A68 P3-7					.25 .10	NO NO		 26	
A 68B	1		P6-F13 SHLD A68					.18 .25	NO NO		21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 22 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			P3-18 P6-F15					.10 .18	NO NO		26 21, 30	
A 68R			P3-17 P6-F14					.10 .18	NO NO		26 21, 30	
A 69	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A 69A	1		SHLD A69 P3-26					.25 .10	NO NO		 26	
A 69B	1		P6-C3 SHLD A					.18 .25	NO NO		21, 30	
A 69L			P3-13 P6-B3					.10 .18	NO NO		26 21, 30	
A 69R			P3-12 P6-A3					.10 .18	NO NO		26 21, 30	
A 70	6				5.30 4.80	5.00 4.50				A,6B A,6B	16, 19 16, 19	
A 70A	1		SHLD A70 P3-34					.25 .10	NO NO		 26	
A 70B	1		P6-C2 SHLD A70					.18	NO NO		21, 30	
A 70L			E14-B8 P6-B1				3.50	.38 .18	NO NO		 21, 30	SEE CONFIG.
A 70R			P3-9 P6-B2					.10 .18	NO NO		26 21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 23 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	1		P3-22 E14-B					.10 .38	NO NO		26	
A 72	1		P3-94 E14-B					.10 .38	NO NO		26	
A 73	6				3.80 4.80	3.50 4.50				A,6B A,6B	16, 19 16, 19	
A 73A	1		SHLD A73 P3-39					.25 .10	NO NO		 26	
A 73B	1		P6-G4 SHLD A73					.18 .25	NO NO		21, 30	
A 73L			P3-24 P6-G6					.10 .18	NO NO		26 21, 30	
A 73R			P3-25 P6-G5					.10 .18	NO NO		26 21, 30	
A 74	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A 74A	1		SHLD A74 P3-49					.25 .10	NO NO		 26	
A 74B	1		P6-H3 SHLD A74					.18 .25	NO NO		21, 30	
A 74L			P3-53 P6-H1					 .18	NO NO		26 21, 30	
A 74R			P3-54 P6-H2					 .18	NO NO		26 21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 24 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 75	6				4.30 5.30	4.00 5.00				A,6B A,6B	16, 19 16, 19	
A 75A	1		SHLD A75 P3-47					.25 .10	NO NO		 26	
A 75B	1		P6-G3 SHLD A75					.18 .25	NO NO		21, 30	
A 75L			P3-48 P6-G2					.10 .18	NO NO		26 21, 30	
A 75R			P3-51 P6-G1					.10 .18	NO NO		26 21, 30	
A 76	32				3.30 5.30	3.00 5.00				A,6A B,7	17, 19 19	
A 76A	1		SHLD A76 E19					.25 .25	NO NO			
A 76L			E23-B E15-B8					.31 .38	NO NO			
A 76R			E22-3 E16-B8					.31 .38	NO NO			
A 77	2	6.00	E15-B P4-B9					.38 .18	NO NO		 21, 30	
A 78	2	6.00	E16-B P4-B8					.38 .18	NO NO		 21, 30	
A 79	2	6.00	E15-B P4-C9					.38 .18	NO NO		 21, 30	

SIZE A	CODE IDENT NO. 99974	2900659
SCALE-NONE	REV LTR E	SHEET 25 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 80	2	6.00	F16-B P4-C8					.38 .18	NO NO		 21, 30	
A 81	3				3.30 4.30	3.00 4.00				A,6A B,7	17, 19 19	
A 81A	1		SHLD A81 E19-B					.25 .38	NO NO			
A 81L			P2-R* P4-H14					.22 .18	NO NO		13 14, 21	
A 81R			P2-Q* P4-H15					.22 .18	NO NO		13 14, 21	
A 82	3				3.30 4.30	3.00 4.00				A,6B B,7	17, 19 19	
A 82A	1		SHLD A82 P2-PP					.25 .22	NO NO		 13	
A 82L			P2-T* P4-G15					.22 .18	NO NO		13 14, 21	
A 82R			P2-S* P4-G14					.22 .18	NO NO		13 14, 21	
A 83	3				5.80 4.30	5.50 4.00				B,7 B,7	19 19	
A 83L			E17-BB P4-F13				4.00	.38 .18	NO NO		 14, 21	
A 83R			P2-W* P4-F15					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 26 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 84	2	4.00	P2-X* E17-B					.22 .38	NO NO		13	
A 85	2	4.00	P2-CC E17-B					.22 .38	NO NO		13	
A 86	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 86A	1		SHLD A86 P2-LL					.25 .22	NO NO		 13	
A 86B	1		P4-C14 SHLD A86					.18 .25	NO NO		21, 30	
A 86F			P2-KK P4-C15					.22 .18	NO NO		13 39, 21	
A 87	3				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 87L			P2-NN P4-D15					.22 .18	NO NO		13 14, 21	
A 87R			P2-MM P4-D14					.22 .18	NO NO		13 14, 21	
A 88	4				3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A 88A	1		SHLD A88 E18-B					.25 .38	NO NO			
A 88L			P2-F P4-K13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 27 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88R			P2-D P4-K12					.22 .18	NO NO		13 14, 21	
A 88Y			P2-F P4-H13					.22 .18	NO NO		13 14, 21	
A 89	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 89A	1		SHLD A89 P2-Z*					.25 .22	NO NO		 13	
A 89B	1		P4-G1 SHLD A89					.18 .25	NO NO		21, 30	
A 89L			P2-L P4-F1					.22 .18	NO NO		13 14, 21	
A 89R			P2-K P4-F2					.22 .18	NO NO		13 14, 21	
A 90	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 90A	1		SHLD A90 E18-B					.25 .38	NO NO			
A 90B	1		P4-A6 SHLD A90					.18 .25	NO NO		21, 30	
A 90L			P2-N P4-C6					.22 .18	NO NO		13 14, 21	
A 90R			P2-M P4-B6					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 28 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 91A	1		SHLD A91 E18-B					.25 .38	NO NO			
A 91B	1		P4-G2 SHLD A91					.18 .25	NO NO		21, 30	
A 91L			P2-R P4-H2					.22 .18	NO NO		13 14, 21	
A 91R			P2-P P4-H1					.22 .18	NO NO		13 14, 21	
A 92	4				3.80 4.80	3.50 4.50				A,6A B,7	17, 18 18	
A 92A	1		SHLD A92 E18-B					.25 .38	NO NO			
A 92L			P2-V P4-G13					.22 .18	NO NO		13 14, 21	
A 92R			P2-U P4-G12					.22 .18	NO NO		13 14, 21	
A 92Y			P2-W P4-H12					.22 .18	NO NO		13 14, 21	
A 93	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 93A	1		SHLD A93 P2-C*					.25 .22	NO NO		 13	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 29 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	1		P4-K10 SHLD A93					.18 .25	NO NO		21, 30	
A 93E			P2-B* P4-H12					.22 .18	NO NO		13 21, 39	
A 94	2		P2-A* P4-G10					.22 .18	NO NO		13 14	
A 95	2		P2-D* P4-F3					.22 .18	NO NO		13 14	
A 96	3				4.30 5.30	4.00 5.00				A,6B A,6B	17, 19 17, 19	
A 96A	1		SHLD A96 P2-Y*					.25 .22	NO NO		13	
A 96B	1		P4-B3 SHLD A96					.18 .25	NO NO		21, 30	
A 96L			P2-F* P4-B1					.22 .16	NO NO		13 14, 21	
A 96R			P2-E* P4-B2					.22 .18	NO NO		13 14, 21	
A 97	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 97A	1		SHLD A97 E20-B					.25 .38	NO NO			
A 97B	1		P4-A5 SHLD A97					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 30 OF 35

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97L			P2-H* P4-A3					 .18	NO NO		13 14, 21	
A 97R			P2-G* P4-A4					 .18	NO NO		13 14, 21	
A 98	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 98A	1		SHLD A98 E20-B					.25 .38	NO NO			
A 98B	1		P4-C5 SHLD A98					.18 .25	NO NO		21, 30	
A 98L			P2-J* P4-D5					.22 .18	NO NO		13 14, 21	
A 98R			P2-I* P4-F5					.22 .18	NO NO		13 14, 21	
A 99	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 99A	1		SHLD A99 E20-B					.25 .38	NO NO			
A 99B	1		P4-C4 SHLD A99					.18 .25	NO NO		21, 30	
A 99L			P2-M* P4-D4					.22 .18	NO NO		13 14, 21	
A 99R			P2-K* P4-F4					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 31 OF 35

MIL 2064 9 63

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 100A	1		SHLD A100 E20-B					.25 .38	NO NO			
A 100B	1		P4-G3 SHLD A100					.18 .25	NO NO		21, 30	
A 100L			P2-EE P4-H3					.22 .18	NO NO		13 14, 21	
A 100R			P2-DD P4-K3					.22 .18	NO NO		13 14, 21	
A 101	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 101A	1		SHLD A101 E20-B					.25 .38	NO NO			
A 101B	1		P4-G4 SHLD A101					.18 .25	NO NO		21, 30	
A 101L			P2-HH P4-K4					.22 .18	NO NO		13 14, 21	
A 101R			P2-GG P4-H4					.22 .18	NO NO		13 14, 21	
A 102	2		P2-B E19-B					.22 .38	NO NO		13	
A 103	1		P2-AA P3-11					.22 .10	NO NO		13 26	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 32 OF 35

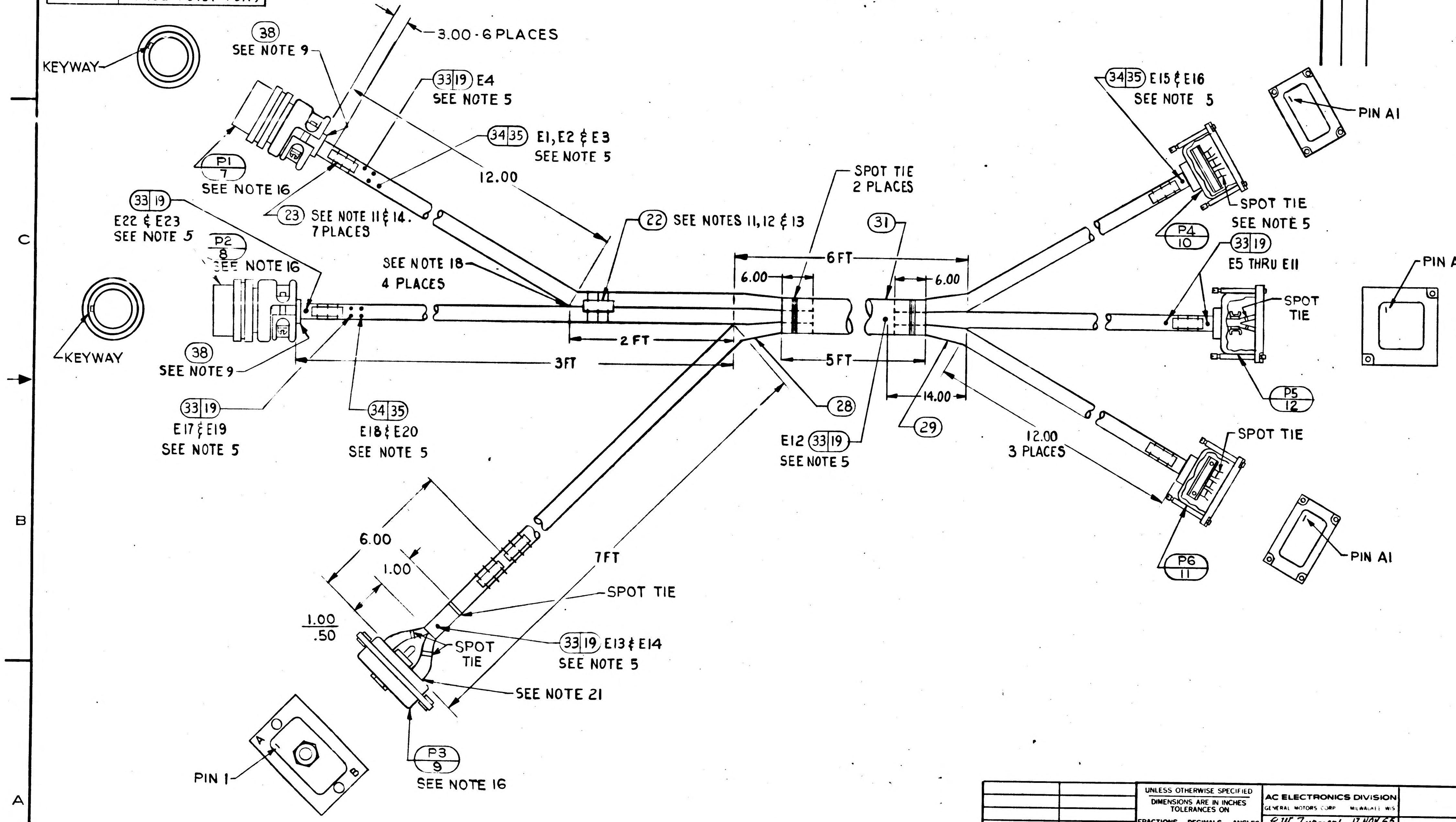
CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 104	1		P2-BB P3-10					.22 .10	NO NO		13 26	
A 105	1		P2-V* P3-29					.22 .10	NO NO		13 26	
A 106	1		P2-FF P3-91					.22 .18	NO NO		13 14, 21	
A 107	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 107A	1		SHLD A107 P2-J					.25 .22	NO NO		13	
A 107B	1		P4-H9 SHLD A107					.18 .25	NO NO		21, 30	
A 107E			P2-H P4-K9					.22 .18	NO NO		13 21, 39	
A 108	2		E20-BB P4-G9					.38 .18	NO NO		14, 21	
A 109	2		E1-BB E3-B					.38 .38	NO NO			
A 110	2		E2-BB E3-B					.38 .38	NO NO			
A 111	2		P1-B E3-B					.22 .38	NO NO		13	
A 112	2		E18-BB E3-BB					.38 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 33 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	2		E20-BB					.38	NO			
			E3-BB					.38	NO			
A 114	2	6.00	E15-B					.31	NO			
			P4-A9					.18	NO		21, 30	
A 115	2	6.00	E16-B					.31	NO			
			P4-A8					.18	NO		21, 30	
A 116	2	6.00	E15-B					.31	NO			
			P4-D9					.18	NO		21, 30	
A 117	2	6.00	E16-B					.31	NO			
			P4-D8					.18	NO		21, 30	
A 118	2	6.00	E15-B					.31	NO			
			P4-F9					.18	NO		21, 30	
A 119	2	6.00	E16-B					.31	NO			
			P4-F8					.18	NO		21, 30	
A 120	2	4.00	P2-P*					.22	NO		13	
			E23-BB					.31	NO			
A 121	2	4.00	P2-N*					.22	NO		13	
			E22-BB					.31	NO			

PLUG NO.	MARKING
P1	W152-P1(J1-TJB)
P2	W152-P2(J2-TJB)
P3	W152-P3(W153-P2)
P3	W152-P3(J2-ROC)
P4	W152-P4(J5-PSA)
P5	W152-P5(J9-PSA)
P6	W152-P6(J7-PSA)


KEYWAY
38
SEE NOTE 9
3.00 - 6 PLACES
33 19 E4
SEE NOTE 5
34 35 E1, E2 & E3
SEE NOTE 5
P1
7
SEE NOTE 16
12.00
23 SEE NOTE 11 & 14.
7 PLACES
33 19
E22 & E23
SEE NOTE 5
P2
8
SEE NOTE 16
SEE NOTE 18
4 PLACES
22 SEE NOTES 11, 12 & 13
SPOT TIE
2 PLACES
6 FT
6.00
31
6.00
2 FT
5 FT
3FT
KEYWAY
38
SEE NOTE 9
33 19
E17 & E19
SEE NOTE 5
34 35
E18 & E20
SEE NOTE 5
28
E12 33 19
SEE NOTE 5
14.00
29
12.00
3 PLACES
34 35 E15 & E16
SEE NOTE 5
PIN A1
SPOT TIE
SEE NOTE 5
P4
10
33 19
E5 THRU E11
PIN A1
SPOT
TIE
P5
12
SPOT TIE
P6
11
PIN A1
6.00
1.00
7FT
SPOT TIE
1.00
.50
SPOT
TIE
33 19 E13 & E14
SEE NOTE 5
SEE NOTE 21
A
B
PIN 1
P3
9
SEE NOTE 16

2900659 F

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHT 1 FOR REV STATUS			

REVISIONS [illegible]

2900712-011	2900008-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ± ± DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
NEXT ASSY	USED ON	MATERIAL —	DRAWN R. W. Turner DATE 17 NOV 65 CHECKED [illegible] 19 Nov 65 APPROVAL E. Swanson 19 Nov 65 APPROVAL J. Watson 12-23-65	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W 152
APPLICATION		CONTRACT NAS 9-497	NASA APPROVAL G. [illegible] RTS MIT APPROVAL [illegible] 20 Dec 65	CODE IDENT NO. 99974 SIZE D 2900659 SCALE NONE SHEET 3 OF 35

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV A WITH CHANGE PER MXC-207126	2 DEC 65	RJJ JAC
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
	Ⓜ	D	REVISED PER TDRR 25851	2 MAR 66	DKD
		E	REVISED PER TDRR 27243	22 MAR 66	LK
		F	REVISED PER TDRR 27263	31 MAR 66	JJJ PJ
		G	REVISED PER TDRR 27248	4 APR 66	JJJ W.D.
		H	REVISED PER TDRR 27607	11 APR 66	JJJ PJ

REV	E	E	E	E	E	G	E	E	G	H	E	G	E	H
SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35

REV STATUS OF SHEETS																					
REV	H	H	H	E	H	H	H	H	H	H	E	E	E	F	G	G	G	G	E	E	E
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R.W. Turner DATE 23 AUG 65
CHECKED Malikowski 19 Nov 65
APPROVAL E Swanson 19 Nov 65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY, SPECIAL PURPOSE BRANCHED, ELECTRICAL W152.

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900659
REV H

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 35

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

6 ITEMS 13 AND 26 FURNISHED WITH ITEMS 7, 8 AND 9

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET OR CLAMP,AS REQUIRED,USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER.

NOTE NUMBER — GENERAL NOTES DESCRIPTION

11 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SERIALIZE PER ND1002023

14 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019, CENTRALIZE.

15 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

16 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

17 ASSEMBLE PER ND1002032

18 SEPARATE ZIPPER TUBING TO TEAR STOP

19 A LETTER WITH AN ASTERISK INDICATES A LOWER CASE LETTER.

20 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

21 APPLY ITEM 37 TO SURFACES TO BE POTTED. ALLOW 30 TO 40 MINUTES DRYING TIME AT ROOM TEMP. POT PER ND1002009, METHOD B, USING ITEM 36. POTTING MATERIAL TO EXTEND 1/4 INCH ABOVE REAR EDGE OF CONNECTOR.

22 ITEM 38 TO BE FURNISHED WITH ITEMS 7 AND 8

23 WRAP WIRE BUNDLE USING ITEM 40 TO PROTECT WIRES FROM ABRASION.

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900659-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 227 FT. TOTAL LENGTH
	2	1	2900659-002	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 120 FT. TOTAL LENGTH
	3	1	2900659-003	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, 392 FT. TOTAL LENGTH
	4	1	2900659-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG, WHT/BLU, WHT/RED, WHT/YEL, 40 FT. TOTAL
	5	1	2900659-005	WIRE, COAXIAL MIL-C-17/69A RG 188AU, 60 FT. TOTAL LENGTH
	6	1	2900659-006	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, 190 FT. TOTAL LENGTH
	7	1	MS3126F-24-61SZ	(1897048-614) CONNECTOR PLUG, ELECT.
	8	1	MS3126F-24-61SY	(1897048-613) CONNECTOR PLUG, ELECT.
7	9	1	1897174- 1	CONNECTOR PLUG, ELECT.
	10	1	2900850-011	CONNECTOR PLUG, ELECT., ASSY
	11	1	2900879-011	CONNECTOR PLUG, ELECT., ASSY
	12	1	2900876-011	CONNECTOR PLUG, ELECT., ASSY
	13		MS3193A-20A	(1896877-020) CONTACT SOCKETS
7	14	79	1897300-001	CONTACT, ELECT. SPRING SOCKET
	15		1010763- 1	DELETED

CABLE ASSEMBLY W152 2900659 H

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	34	1010763- 2	SOLDER SLEEVE
7	17	51	1010763- 3	SOLDER SLEEVE
7	18	8	1010490-226	INSULATION SLEEVING
7	19	111	1010490-228	INSULATION SLEEVING
7	20	12	1010490-232	INSULATION SLEEVING
7	21	185	1015864-232	INSULATION SLEEVING
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	7	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732-1 NO. 18)
	25	AR	MIL-I-631	FILLER TAPE TYPE F, FORM T, (BLACK), GRADE A CLASS 1, .62 INCH WIDE, .020 INCH THICK.
	26	108	1010738- 5	CONTACT, SOCKET
	27	1	2900659-007	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 10 FT. TOTAL
20	28	1	2900659-008	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL, 1.250 IN. DIA, 8 FT. TOTAL LENGTH
20	29	1	2900659-009	ZIPPER TUBING PER ND1002155, TYPE IV, 3 CHANNEL 1.000, 1.000 AND 1.375 IN. DIA, 2 FT.
7	30	100	1897300-002	CONTACT, ELECT. SPRING SOCKET

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR H | SHEET 6 OF 35

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CABLE ASSEMBLY W152 2900659 H

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
20	31	1	2900659-010	ZIPPER TUBING PER ND1002155, TYPE I, GRAY 2.250 INCH DIA., 5 FT TOTAL LENGTH
	32	1	2900659-011	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG, WHT/BLU, WHT/RED, 10 FT. TOTAL LENGTH
7	33	15	1016006-001	SPLICE REDUCER
7	34	7	1016006-002	SPLICE REDUCER
7	35	7	1010490-258	INSULATION SLEEVING
7	36	AR	1006834	COMPOUND, SILICONE RUBBER
7	37	AR	1016204	PRIMER FOR SILICONE RUBBER ADHESIVE AND POTTING COMPOUND
22	38		1010282- 24	RUBBER GROMMET
7	39	6	1897300-003	CONTACT, ELECT. SPRING SOCKET
	40	AR	MIL-I-15126F	INSULATION TAPE, ELECTRICAL PRESSURE SENSITIVE THERMOSETTING ADHESIVE TYPE ACT, .75 PLUS OR MINUS .03 WIDE (ES2716 TYPE C).

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR H | SHEET 7 OF 35

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CABLE ASSEMBLY W152 2900659 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-W P3-64						NO NO		13	
A	2	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	2A	1	SHLD A2 E1-B					.25 .38	NO NO			
A	2B	1	P4-B10 SHLD A2					.18 .25	NO NO		21, 30	
A	2L		P1-Q* P4-B12					.22 .18	NO NO		13 14, 21	
A	2R		P1-P* P4-B11					.22 .18	NO NO		13 14, 21	
A	3	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	3A	1	SHLD A3 E1-B					.25 .38	NO NO			
A	3B	1	P4-C10 SHLD A3					.18 .25	NO NO		21, 30	
A	3L		P1-Z* P4-C11					.22 .18	NO NO		13 14, 21	
A	3R		P1-Y* P4-C12					.22 .18	NO NO		13 14, 21	
A	4	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR H | SHEET 8 OF 35

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CABLE ASSEMBLY W152 2900659 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4A	1	SHLD A4 E1-B					.25 .38	NO NO			
A	4B	1	P4-G7 SHLD A4					.18 .25	NO NO		21, 30	
A	4L		P1-X* P4-H7					.22 .18	NO NO		13 14, 21	
A	4R		P1-W* P4-K7					.22 .18	NO NO		13 14, 21	
A	5	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	5A	1	SHLD A5 E1-B					.25 .38	NO NO			
A	5B	1	P4-G8 SHLD A5					.18 .25	NO NO		21, 30	
A	5L		P1-S* P4-K8					.22 .18	NO NO		13 14, 21	
A	5R		P1-R* P4-H8					.22 .18	NO NO		13 14, 21	
A	6	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	6A	1	SHLD A6 E1-B					.25 .38	NO NO			
A	6B	1	P4-G6 SHLD A6					.18 .25	NO NO		21, 30	

SIZE A | CODE IDENT NO. 99974 | 2900659
SCALE-NONE | REV LTR H | SHEET 9 OF 35

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CABLE ASSEMBLY W152 2900659 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P1-BB P4-K6					.22 .18	NO NO		13 14, 21	
A	6R		P1-AA P4-H6					.22 .18	NO NO		13 14, 21	
A	7	3			2.80 3.80	2.50 3.50				A,6A A,6B	17, 19 17, 19	
A	7A	1	SHLD A7 E2-B					.25 .38	NO NO			
A	7B	1	P4-G5 SHLD A7					.18 .25	NO NO		21, 30	
A	7L		P1-Z P4-H5					.22 .18	NO NO		13 14, 21	
A	7R		P1-Y P4-K5					.22 .18	NO NO		13 14, 21	
A	8	5			3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A	8A	1	SHLD A8 P1-U*					.25 .22	NO NO		 13	
A	8B	1	P4-B15 SHLD A8					.18 .25	NO NO		21, 30	
A	8E		P1-T* P4-B14					.22 .18	NO NO		13 21, 39	
A	9	2	P1-V* P4-B13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	H	SHEET	10 OF 35

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CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	10A	1	SHLD A10 P1-HH					.25 .22	NO NO		 13	
A	10B	1	P4-D10 SHLD A10					.18 .25	NO NO		21, 30	
A	10L		P1-GG P4-D11					.22 .18	NO NO		13 14, 21	
A	10R		P1-FF P4-D12					.22 .18	NO NO		13 14, 21	
A	11	4			3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A	11A	1	SHLD A11 E2-B					.25 .38	NO NO			
A	11L		P1-E P5-B4					.22 .18	NO NO		13 14, 21	
A	11R		P1-D P5-A4					.22 .18	NO NO		13 14, 21	
A	11Y		P1-F P5-A3					.22 .18	NO NO		13 14, 21	
A	12	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	12A	1	SHLD A12 E2-B					.25 .38	NO NO			

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	E	SHEET	11 OF 35

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CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12B	1	P5-F3 SHLD A12					.18 .25	NO NO		21, 30	
A	12L		P1-H P5-F1					.22 .18	NO NO		13 14, 21	
A	12R		P1-G P5-F2					.22 .18	NO NO		13 14, 21	
A	13	3			3.30 4.30	3.00 4.00				A,6A A,6B	17, 19 17, 19	
A	13A	1	SHLD A13 E2-B					.25 .38	NO NO			
A	13B	1	P5-D3 SHLD A13					.18 .25	NO NO		21, 30	
A	13L		P1-K P5-D2					.22 .18	NO NO		13 14, 21	
A	13R		P1-J P5-D1					.22 .18	NO NO		13 14, 21	
A	14	3			3.30 4.30	3.00 4.00				A,6B A,6B	17, 19 17, 19	
A	14A	1	SHLD A14 P1-P					.25 .22	NO NO		 13	
A	14B	1	P5-C3 SHLD A14					.18 .25	NO NO		21, 30	
A	14L		P1-M P5-C1					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	E	SHEET	12 OF 35

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CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	14R		P1-L P5-C2					.22 .18	NO NO		13 14, 21	
A	15	4			5.80 4.30	5.50 4.00				A,6A B,7	17, 18 18	
A	15A	1	SHLD A15 E2-B					.25 .38	NO NO			
A	15L		P1-U P5-B7					.22 .18	NO NO		13 14, 21	
A	15R		P1-T P5-A7					.22 .18	NO NO		13 14, 21	
A	15Y		E4-BB P5-B8				3.00	.38 .18	NO NO		 14, 21	
A	16	2	P1-V E4-B					.22 .38	NO NO		13	
A	17	2	P1-X E4-B					.22 .38	NO NO		13	
A	18	3			3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A	18A	1	SHLD A18 P1-F*					.25 .22	NO NO		 13	
A	18B	1	P5-D7 SHLD A18					.18 .25	NO NO		21, 30	
A	18L		P1-E* P5-D9					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.			
A	99974	2900659		
SCALE-NONE	REV LTR	E	SHEET	13 OF 35

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CABLE ASSEMBLY W152 2900659 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18R			P1-D* P5-D8					.22 .18	NO NO		13 14, 21	
A 19	3				3.80 ~~2.80~~ 1.80	3.50 ~~2.50~~ 1.50				A,6A B,7	17, 19 19	
A 19A	1		SHLD A19 E19-BB					.25 .38	NO NO			
A 19L			P1-I* E5-BB					.22 .38	NO NO		13	
A 19R			P1-H* E6-BB					.22 .38	NO NO		13	
A 20	2	4.00 ~~3.00~~	E5-B P5-A6					.38 .18	NO NO		 14, 21	
A 21	2	4.00 ~~3.00~~	E6-B P5-A5					.38 .18	NO NO		 14, 21	
A 22	2	4.00 ~~3.00~~	E5-B P5-B6					.38 .18	NO NO		 14, 21	
A 23	2	4.00 ~~3.00~~	E6-B P5-B5					.38 .18	NO NO		 14, 21	
A 24	3				3.80 ~~2.80~~ 1.80	3.50 ~~2.50~~ 1.50				A,6A B,7	17, 19 19	
A 24A	1		SHLD A24 E19-BB					.25 .38	NO NO			
A 24L			P1-K* E7-BB					.22 .38	NO NO		13	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR F	SHEET 14 OF 35

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CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P1-J* E8-BB					.22 .38	NO NO		13	
A 25	2	4.00	E7-B P5-K6					.38 .18	NO NO		 14, 21	
A 26	2	4.00	E8-B P5-H6					.38 .18	NO NO		 14, 21	
A 27	2	4.00	E7-B P5-K7					.38 .18	NO NO		 14, 21	
A 28	2	4.00	E8-B P5-H7					.38 .18	NO NO		 14, 21	
A 29	3				3.80 1.80	3.50 1.50				A,6A A,6B	17, 19 19, 17	
A 29A	1		SHLD A29 P12-BB					.25 .38	NO NO		 13	
A 29B	1		P1-MM SHLD A29									
A 29L			E9-BB P1-N*					.38 .22	NO NO		 13	
A 29R			E10-BB P1-M*					.38 .22	NO NO		 13	
A 30	2	4.00	E-9-B P5-F9					.38	NO NO		 14, 21	
A 31	2	4.00	E10-B P5-G9					.38 .18	NO NO		 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 15 OF 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	2	4.00	E9-B P5-F8					.38 .18	NO NO		 14, 21	
A 33	2	4.00	E10-B P5-G8					.38 .18	NO NO		 14, 21	
A 34	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 34A	1		SHLD A34 P1-S					.25 .22	NO NO		 13	
A 34B	1		P5-B2 SHLD A34					.18 .25	NO NO		21, 30	
A 34E			P1-R P5-B1					.22 .18	NO NO		13 39, 21	
A 35	2		P1-EE E11-BB					.22 .38	NO NO		13	
A 36	2	6.00	E11-B P5-B3					.38 .18	NO NO		 14, 21	
A 37	2	6.00	E11-B P5-C8					.38 .18	NO NO		 14, 21	
A 38	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 38A	1		SHLD A38 P1-C*					.25 .22	NO NO		 13	
A 38B	1		P5-C9 SHLD A38					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 16 OF 35

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CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38E			P1-B* P5-B9					.22 .18	NO NO		13 21, 39	
A 39	1		P3-1 P6-A6					.10 .18	NO NO		26 21, 30	
A 40	1		P3-2 P6-B6					.10 .18	NO NO		26 21, 30	
A 41	1		P3-3 P6-C6					.10 .18	NO NO		26 21, 30	
A 42	1		P3-4 P6-A8					.10 .18	NO NO		26 21, 30	
A 43	1		P3-5 P6-B8					.10 .18	NO NO		26 21, 30	
A 44	1		P3-30 P6-A7					.10 .18	NO NO		26 21, 30	
A 45	1		P3-31 P6-B7					.10 .18	NO NO		26 21, 30	
A 46	1		P3-32 P6-C7					.10 .18	NO NO		26 21, 30	
A 47	1		P3-105 P6-D10					.10 .18	NO NO		26 21, 30	
A 48	1		P3-106 P6-D9					.10 .18	NO NO		26 21, 30	
A 49	1		P3-35 P6-F10					.10 .18	NO NO		26 21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 17 OF 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50	1		P3-37 P6-F9					.10 .18	NO NO		26 21, 30	
A 51	6				2.80 3.80	2.50 3.50				A,6B A,6A	16, 19 19, 16	
A 51A	1		SHLD A51 P3-98					.25 .10	NO NO		26	
A 51B	1		F12-BB SHLD A51					.38 .25	NO NO			
A 51L			P3-97 P6-K11					.10 .18	NO NO		26 21, 30	
A 51R			P3-96 P6-K10					.10 .18	NO NO		26 21, 30	
A 52	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 52L			P3-59 P6-C13					.10 .18	NO NO		26 21, 30	
A 52R			P3-57 P6-H13					.10 .18	NO NO		26 21, 30	
A 53	6				2.80 3.80	2.50 3.50				A,6B A,6B	16, 19 16, 19	
A 53A	1		SHLD A53 P3-33					.25 .10	NO NO		26	
A 53B	1		P6-D3 SHLD A53					.18 .25	NO NO		21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR G
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MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53L			P3-23 P6-D2					.10 .18	NO NO		26 21, 30	
A 53R			P3-21 P6-D1					.10 .18	NO NO		26 21, 30	
A 54	27				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 54L			P3-15 P6-B13					.10 .18	NO NO		26 21, 30	
A 54R			P3-16 P6-A12					.10 .18	NO NO		26 21, 30	
A 54Y			P3-14 P6-A13					.10 .18	NO NO		26 21, 30	
A 55	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 55L			P3-67 P6-B9					.10 .18	NO NO		26 21, 30	
A 55R			P3-66 P6-A9					.10 .18	NO NO		26 21, 30	
A 56	6				2.80 3.80	2.50 3.50				B,7 B,7	19 19	
A 56L			P3-69 P6-B10					.10 .18	NO NO		26 21, 30	
A 56R			P3-68 P6-A10					.10 .18	NO NO		26 21, 30	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 19 OF 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 57L			P3-71 P6-D5					.10 .18	NO NO		26 21, 30	
A 57R			P3-70 P6-D4					.10 .18	NO NO		26 21, 30	
A 58	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 58L			P3-74 P6-C15					.10 .18	NO NO		26 21, 30	
A 58R			P3-73 P6-B15					.10 .18	NO NO		26 21, 30	
A 59	6				3.30 4.30	3.00 4.00				A,6B A,6B	16, 19 16, 19	
A 59A	1		SHLD A59 P3-63					.25 .10	NO NO		26	
A 59B	1		P6-F3 SHLD A59					.18 .25	NO NO		21, 30	
A 59L			P3-52 P6-F2					.10 .18	NO NO		26 21, 30	
A 59R			P3-62 P6-F1					.10 .18	NO NO		26 21, 30	
A 60	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 20 OF 35

MIL 2084 9-65

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60L			P3-77 P6-B5					.10 .18	NO NO		26 21, 30	
A 60R			P3-76 P6-A5					.10 .18	NO NO		26 21, 30	
A 61	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 61L			P3-80 P6-B4					.10 .18	NO NO		26 21, 30	
A 61R			P3-79 P6-A4					.10 .18	NO NO		26 21, 30	
A 62	1	6.00	P3-41 E13-B					.10 .38	NO NO		26	
A 63	1	6.00	P3-83 E13-B					.10 .38	NO NO		26	
A 64	1		E13-BB P6-D15					.38 .18	NO NO		21, 30	
A 65	6				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 65L			P3-85 P6-C14					.10 .18	NO NO		26 21, 30	
A 65R			P3-84 P6-B14					.10 .18	NO NO		26 21, 30	
A 66	6				3.80 4.80	3.50 4.50				A,6B A,6A	16, 19 16, 19	

SIZE A
CODE IDENT NO. 99974
2900659
SCALE-NONE
REV LTR E
SHEET 21 OF 35

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66A	1		SHLD A66					.25	NO			
				P3-45					.10	NO		26	
A	66B	1		E3-BB					.38	NO			
				SHLD A66					.25	NO			
A	66L			P3-56					.10	NO		26	
				P6-K7					.18	NO		21, 30	
A	66R			P3-46					.10	NO		26	
				P6-K6					.18	NO		21, 30	
A	67	6				3.80	3.50				A,6B	16, 19	
						4.80	4.50				A,6B	16, 19	
A	67A	1		SHLD A67					.25	NO			
				P3-28					.10	NO		26	
A	67B	1		P6-G13					.18	NO		21, 30	
				SHLD A67					.25	NO			
A	67L			P3-20					.10	NO		26	
				P6-G15					.18	NO		21, 30	
A	67R			P3-19					.10	NO		26	
				P6-G14					.18	NO		21, 30	
A	68	6				3.80	3.50				A,6B	16, 19	
						4.80	4.50				A,6B	16, 19	
A	68A	1		SHLD A68					.25	NO			
				P3-7					.10	NO		26	
A	68B	1		P6-F13					.18	NO		21, 30	
				SHLD A68					.25	NO			

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	68L			P3-18					.10	NO		26	
				P6-F15					.18	NO		21, 30	
A	68R			P3-17					.10	NO		26	
				P6-F14					.18	NO		21, 30	
A	69	6				3.80	3.50				A,6B	16, 19	
						4.80	4.50				A,6B	16, 19	
A	69A	1		SHLD A69					.25	NO			
				P3-26					.10	NO		26	
A	69B	1		P6-C3					.18	NO		21, 30	
				SHLD A					.25	NO			
A	69L			P3-13					.10	NO		26	
				P6-B3					.18	NO		21, 30	
A	69R			P3-12					.10	NO		26	
				P6-A3					.18	NO		21, 30	
A	70	6				5.30	5.00				A,6B	16, 19	
						4.80	4.50				A,6B	16, 19	
A	70A	1		SHLD A70					.25	NO			
				P3-34					.10	NO		26	
A	70B	1		P6-C2					.18	NO		21, 30	
				SHLD A70						NO			
A	70L			E14-BB				3.50	.38	NO			SEE CONFIG.
				P6-B1					.18	NO		21, 30	
A	70R			P3-9					.10	NO		26	
				P6-B2					.18	NO		21, 30	

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	71	1		P3-22					.10	NO		26	
				E14-B					.38	NO			
A	72	1		P3-94					.10	NO		26	
				E14-B					.38	NO			
A	73	6				3.80	3.50				A,6B	16, 19	
						4.80	4.50				A,6B	16, 19	
A	73A	1		SHLD A73					.25	NO			
				P3-39					.10	NO		26	
A	73B	1		P6-G4					.18	NO		21, 30	
				SHLD A73					.25	NO			
A	73L			P3-24					.10	NO		26	
				P6-G6					.18	NO		21, 30	
A	73R			P3-25					.10	NO		26	
				P6-G5					.18	NO		21, 30	
A	74	6				4.30	4.00				A,6B	16, 19	
						5.30	5.00				A,6B	16, 19	
A	74A	1		SHLD A74					.25	NO			
				P3-49					.10	NO		26	
A	74B	1		P6-H3					.18	NO		21, 30	
				SHLD A74					.25	NO			
A	74L			P3-53						NO		26	
				P6-H1					.18	NO		21, 30	
A	74R			P3-54						NO		26	
				P6-H2					.18	NO		21, 30	

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	75	6				4.30	4.00				A,6B	16, 19	
						5.30	5.00				A,6B	16, 19	
A	75A	1		SHLD A75					.25	NO			
				P3-47					.10	NO		26	
A	75B	1		P6-G3					.18	NO		21, 30	
				SHLD A75					.25	NO			
A	75L			P3-48					.10	NO		26	
				P6-G2					.18	NO		21, 30	
A	75R			P3-51					.10	NO		26	
				P6-G1					.18	NO		21, 30	
A	76	32				3.30	3.00				A,6A	17, 19	
						5.30	5.00				B,7	19	
A	76A	1		SHLD A76					.25	NO			
				E19					.25	NO			
A	76L			E23-B					.31	NO			
				E15-BB					.38	NO			
A	76R			E22-B					.31	NO			
				E16-BB					.38	NO			
A	77	2	6.00	E15-B					.38	NO			
				P4-B9					.18	NO		21, 30	
A	78	2	6.00	E16-B					.38	NO			
				P4-B8					.18	NO		21, 30	
A	79	2	6.00	E15-B					.38	NO			
				P4-C9					.18	NO		21, 30	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 80	2	6.00	E16-B P4-C8					.38 .18	NO NO		 21, 30	
A 81	3				3.30 4.30	3.00 4.00				A,6A B,7	17, 19 19	
A 81A	1		SHLD A81 E19-B					.25 .38	NO NO			
A 81L			P2-R* P4-H14					.22 .18	NO NO		13 14, 21	
A 81R			P2-Q* P4-H15					.22 .18	NO NO		13 14, 21	
A 82	3				3.30 4.30	3.00 4.00				A,6B B,7	17, 19 19	
A 82A	1		SHLD A82 P2-PP					.25 .22	NO NO		 13	
A 82L			P2-T* P4-G15					.22 .18	NO NO		13 14, 21	
A 82R			P2-S* P4-G14					.22 .18	NO NO		13 14, 21	
A 83	3				5.80 4.30	5.50 4.00				B,7 B,7	19 19	
A 83L			E17-BB P4-F13				4.00	.38 .18	NO NO		 14, 21	
A 83R			P2-W* P4-F15					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 26 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 84	2	4.00	P2-X* E17-B					.22 .38	NO NO		13	
A 85	2	4.00	P2-CC E17-B					.22 .38	NO NO		13	
A 86	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 86A	1		SHLD A86 P2-LL					.25 .22	NO NO		 13	
A 86B	1		P4-C14 SHLD A86					.18 .25	NO NO		21, 30	
A 86E			P2-KK P4-C15					.22 .18	NO NO		13 39, 21	
A 87	3				3.30 4.30	3.00 4.00				B,7 B,7	19 19	
A 87L			P2-NN P4-D15					.22 .18	NO NO		13 14, 21	
A 87R			P2-MM P4-D14					.22 .18	NO NO		13 14, 21	
A 88	4				3.30 4.30	3.00 4.00				A,6A B,7	17, 18 18	
A 88A	1		SHLD A88 E18-B					.25 .38	NO NO			
A 88L			P2-E P4-K13					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR G	SHEET 27 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88R			P2-D P4-K12					.22 .18	NO NO		13 14, 21	
A 88Y			P2-F P4-H13					.22 .18	NO NO		13 14, 21	
A 89	3				3.80 4.80	3.50 4.50				A,6B A,6B	17, 19 17, 19	
A 89A	1		SHLD A89 P2-Z*					.25 .22	NO NO		 13	
A 89B	1		P4-G1 SHLD A89					.18 .25	NO NO		21, 30	
A 89L			P2-L P4-F1					.22 .18	NO NO		13 14, 21	
A 89R			P2-K P4-F2					.22 .18	NO NO		13 14, 21	
A 90	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 90A	1		SHLD A90 E18-B					.25 .38	NO NO			
A 90B	1		P4-A6 SHLD A90					.18 .25	NO NO		21, 30	
A 90L			P2-N P4-C6					.22 .18	NO NO		13 14, 21	
A 90R			P2-M P4-B6					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 28 OF 35

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	3				3.80 4.80	3.50 4.50				A,6A A,6B	17, 19 17, 19	
A 91A	1		SHLD A91 E18-B					.25 .38	NO NO			
A 91B	1		P4-G2 SHLD A91					.18 .25	NO NO		21, 30	
A 91L			P2-R P4-H2					.22 .18	NO NO		13 14, 21	
A 91R			P2-P P4-H1					.22 .18	NO NO		13 14, 21	
A 92	4				3.80 4.80	3.50 4.50				A,6A B,7	17, 18 18	
A 92A	1		SHLD A92 E18-B					.25 .38	NO NO			
A 92L			P2-V P4-G13					.22 .18	NO NO		13 14, 21	
A 92R			P2-U P4-G12					.22 .18	NO NO		13 14, 21	
A 92Y			P2-W P4-H12					.22 .18	NO NO		13 14, 21	
A 93	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 93A	1		SHLD A93 P2-C*					.25 .22	NO NO		 13	

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 29 OF 35

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	1		P4-K10 SHLD A93					.18 .25	NO NO		21, 30	
A 93E			P2-B* P4-H10					.22 .18	NO NO		13 21, 39	
A 94	2		P2-A* P4-G10					.22 .18	NO NO		13 14	
A 95	2		P2-D* P4-F3					.22 .18	NO NO		13 14	
A 96	3				4.30 5.30	4.00 5.00				A,6B A,6B	17, 19 17, 19	
A 96A	1		SHLD A96 P2-Y*					.25 .22	NO NO		 13	
A 96B	1		P4-B3 SHLD A96					.18 .25	NO NO		21, 30	
A 96L			P2-F* P4-B1					.22 .18	NO NO		13 14, 21	
A 96R			P2-E* P4-B2					.22 .18	NO NO		13 14, 21	
A 97	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 97A	1		SHLD A97 E20-B					.25 .38	NO NO			
A 97B	1		P4-A5 SHLD A97					.18 .25	NO NO		21, 30	

SIZE	CODE IDENT NO.	
A	99974	2900659

SCALE-NONE REV LTR G SHEET 30 OF 35

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CABLE ASSEMBLY W152 2900659 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97L			P2-H* P4-A3					 .18	NO NO		13 14, 21	
A 97R			P2-G* P4-A4					 .18	NO NO		13 14, 21	
A 98	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 98A	1		SHLD A98 E20-B					.25 .38	NO NO			
A 98B	1		P4-C5 SHLD A98					.18 .25	NO NO		21, 30	
A 98L			P2-J* P4-D5					.22 .18	NO NO		13 14, 21	
A 98R			P2-I* P4-F5					.22 .18	NO NO		13 14, 21	
A 99	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 99A	1		SHLD A99 E20-B					.25 .38	NO NO			
A 99B	1		P4-C4 SHLD A99					.18 .25	NO NO		21, 30	
A 99L			P2-M* P4-F4					.22 .18	NO NO		13 14, 21	
A 99R			P2-K* P4-D4					.22 .18	NO NO		13 14, 21	

SIZE	CODE IDENT NO.	
A	99974	2900659

SCALE-NONE REV LTR H SHEET 31 OF 35

MIL 2064 9-65

CABLE ASSEMBLY W152 2900659 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 100A	1		SHLD A100 E20-B					.25 .38	NO NO			
A 100B	1		P4-G3 SHLD A100					.18 .25	NO NO		21, 30	
A 100L			P2-EE P4-H3					.22 .18	NO NO		13 14, 21	
A 100R			P2-DD P4-K3					.22 .18	NO NO		13 14, 21	
A 101	3				4.30 5.30	4.00 5.00				A,6A A,6B	17, 19 17, 19	
A 101A	1		SHLD A101 E20-B					.25 .38	NO NO			
A 101B	1		P4-G4 SHLD A101					.18 .25	NO NO		21, 30	
A 101L			P2-HH P4-K4					.22 .18	NO NO		13 14, 21	
A 101R			P2-GG P4-H4					.22 .18	NO NO		13 14, 21	
A 102	2		P2-B E19-B					.22 .38	NO NO		13	
A 103	1		P2-AA P3-11					.22 .10	NO NO		13 26	

SIZE	CODE IDENT NO.	
A	99974	2900659

SCALE-NONE REV LTR E SHEET 32 OF 35

MIL 2064 9-65

CABLE ASSEMBLY W152 2900659 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 104	1		P2-BB P3-10					.22 .10	NO NO		13 26	
A 105	1		P2-V* P3-29					.22 .10	NO NO		13 26	
A 106	1		P2-FF P3-91					.22 .18	NO NO		13 14, 21	
A 107	5				3.30 3.30	3.00 3.00				A,6B A,6B	16, 20 16, 20	
A 107A	1		SHLD A107 P2-J					.25 .22	NO NO		 13	
A 107B	1		P4-H9 SHLD A107					.18 .25	NO NO		21, 30	
A 107E			P2-H P4-K9					.22 .18	NO NO		13 21, 39	
A 108	2		E20-BB P4-G9					.38 .18	NO NO		 14, 21	
A 109	2		E1-BB E3-B					.38 .38	NO NO			
A 110	2		E2-BB E3-B					.38 .38	NO NO			
A 111	2		P1-B E3-B					.22 .38	NO NO		13	
A 112	2		E18-BB E3-BB					.38 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900659

SCALE-NONE REV LTR G SHEET 33 OF 35

MIL 2064 9-65

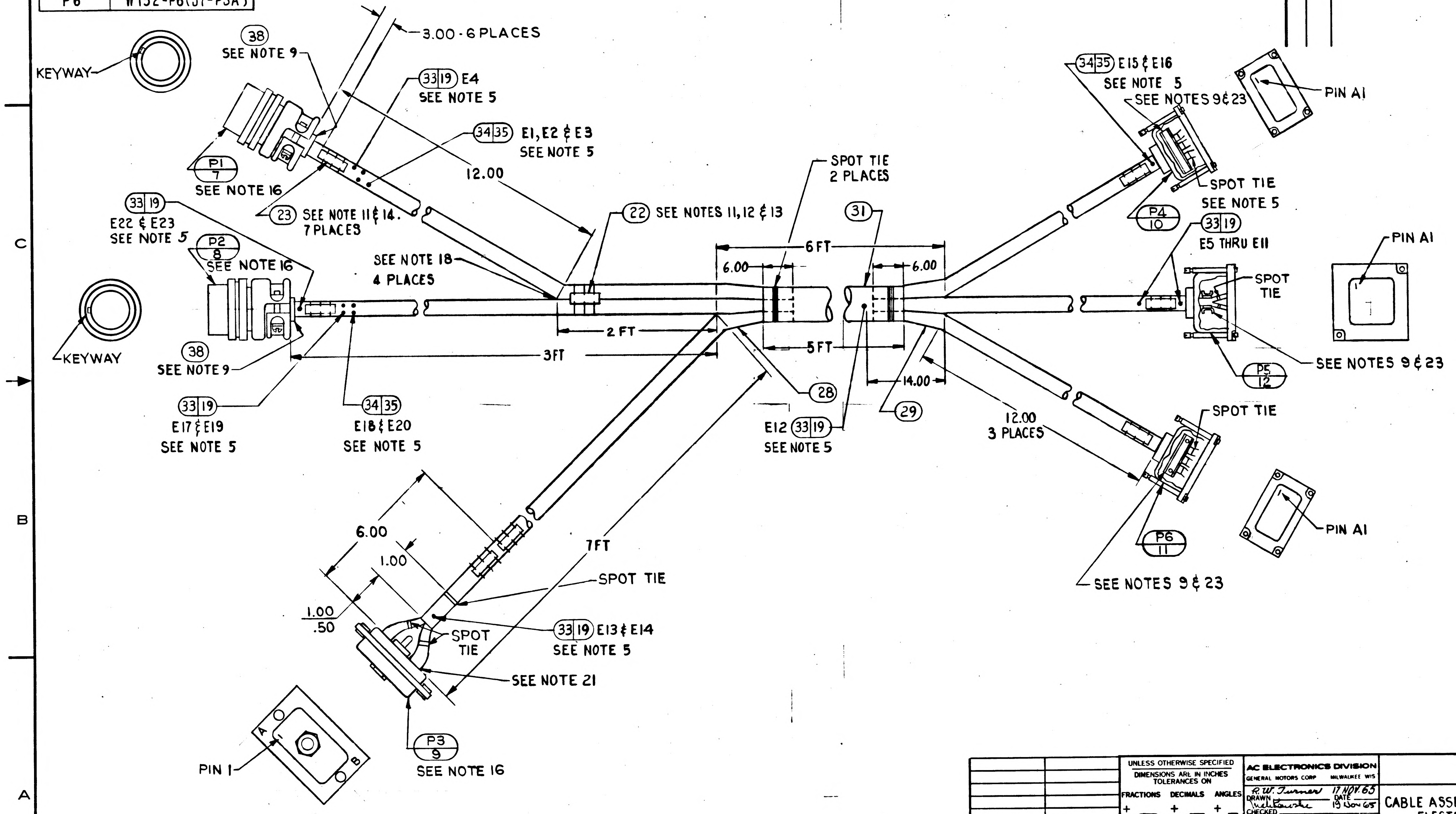
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	2		E20-BB					.38	NO			
			E3-BB					.38	NO			
A 114	2	6.00	E15-B					.31	NO			
			P4-A9					.18	NO		21, 30	
A 115	2	6.00	E16-B					.31	NO			
			P4-A8					.18	NO		21, 30	
A 116	2	6.00	E15-B					.31	NO			
			P4-D9					.18	NO		21, 30	
A 117	2	6.00	E16-B					.31	NO			
			P4-D8					.18	NO		21, 30	
A 118	2	6.00	E15-B					.31	NO			
			P4-F9					.18	NO		21, 30	
A 119	2	6.00	E16-8					.31	NO			
			P4-F8					.18	NO		21, 30	
A 120	2	4.00	P2-P*					.22	NO		13	
			E23-BB					.31	NO			
A 121	2	4.00	P2-N*					.22	NO		13	
			E22-BB					.31	NO			

SIZE	CODE IDENT NO.	
A	99974	2900659
SCALE-NONE	REV LTR E	SHEET 34 OF 35

H | 2900659 | 2

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		See Sht 1 for Rev Status			

PLUG NO.	MARKING
P1	W152-P1(J1-TJB)
P2	W152-P2(J2-TJB)
P3	W152-P3(W153-P2)
P3	W152-P3(J2-ROC)
P4	W152-P4(J5-PSA)
P5	W152-P5(J9-PSA)
P6	W152-P6(J7-PSA)



KEYWAY
38 SEE NOTE 9
3.00 · 6 PLACES
33 19 E4 SEE NOTE 5
34 35 E1, E2 & E3 SEE NOTE 5
P1 7
SEE NOTE 16
12.00
23 SEE NOTE 11 & 14. 7 PLACES
33 19 E22 & E23 SEE NOTE 5
P2 8
SEE NOTE 16
22 SEE NOTES 11, 12 & 13
SEE NOTE 18 4 PLACES
SPOT TIE 2 PLACES
31
6 FT
6.00
6.00
2 FT
5 FT
3FT
KEYWAY
38 SEE NOTE 9
33 19 E17 & E19 SEE NOTE 5
34 35 E18 & E20 SEE NOTE 5
28
14.00
29
E12 33 19 SEE NOTE 5
12.00 3 PLACES
34 35 E15 & E16 SEE NOTE 5
SEE NOTES 9 & 23
PIN A1
SPOT TIE SEE NOTE 5
P4 10
33 19 E5 THRU E11
SPOT TIE
PIN A1
P5 12
SEE NOTES 9 & 23
SPOT TIE
PIN A1
P6 11
SEE NOTES 9 & 23
6.00
1.00
7FT
SPOT TIE
1.00
.50
SPOT TIE
33 19 E13 & E14 SEE NOTE 5
SEE NOTE 21
P3 9
SEE NOTE 16
PIN 1
A
B

2900712-011	2900008-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. W. Turner DATE 17 NOV. 65
CHECKED 19 Nov 65
APPROVAL E. Swanson 19 Nov 65
APPROVAL J. W. Watson 12-20-65
NASA APPROVAL
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED,
W152

CODE IDENT NO. 99974
SIZE D
2900659
SCALE NONE
SHEET 35 OF 35

MIL 10770-X

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV I (-) WITH CHANGE PER MXC 206999	1 DEC 65	LK EF
		B	REVISED PER MXC 207106	8 DEC 65	RLP EF
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R.

REV														
SHEET														
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN DATE 10 NOV 65
CHECKED 11 NOV 65
APPROVAL C. W. Wise 16 Nov
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL (Phone Approval)
MIT APPROVAL

CONTRACT

CABLE ASSEMBLY, SPECIAL PURPOSE, W153

CODE IDENT NO. 99974
SIZE A
2900660
REV C

SCALE —
SHEET 1 OF 13

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 12.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. Y - WHITE WITH YELLOW TRACER.
9	FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 11 TO SECURE WIRE BUNDLE TO CABLE.
10	SERIALIZE PER ND1002023.
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
12	MARKING TO READ AWAY FROM CONNECTOR.

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR #C
SHEET 2 OF 13

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR #C
SHEET 3 OF 13

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
4	1	1	1897249-004	CONNECTOR, PLUG ELEC
4	2	1	1897174- 4	CONNECTOR, PLUG ELEC
	3	1	2900660-001	WIRE ND1002181 TYPE 1, CLASS 1, 22AWG, WHT. 428 FT. TOTAL LENGTH
	4	1	2900660-002	WIRE ND1002181 TYPE 2, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU 540 FT. TOTAL LENGTH
	5	1	2900660-003	WIRE ND1002181 TYPE 3, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU, WHT/YEL 30 FT TOT LGTH
4	6	70	1010738- 5	CONTACT, PIN
4	7	X	1897190--002	CONTACT,SOCKET (FURNISHED WITH ITEM 1)
4	8	1	1010933-105	STRAIN RELIEF CLAMP
4	9	16	1010763- 2	SOLDER SLEEVE
4	10	40	1010490-228	INSULATION SLEEVING
	11	AR	1901930	FILLER TAPE
	12	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2 BLACK
4	13	2	1016128-041	BAND IDENTIFICATION
	14	1	1016128-011	BAND IDENTIFICATION
	15	1	2900660-004	ZIPPER TUBING PER ND1002155, TYPE 1 GREY .75 INCH DIA. 30 FT. TOTAL LENGTH

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR #C
SHEET 4 OF 13

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	3		P1-13 P2-1					.15 .10	NO NO		7 6	
A 2	3		P1-4 P2-2					.15 .10	NO NO		7 6	
A 3	3		P1-12 P2-3					.15 .10	NO NO		7 6	
A 4	3		P1-2 P2-4					.15 .10	NO NO		7 6	
A 5	3		P1-3 P2-5					.15 .10	NO NO		7 6	
A 6	3		P1-10 P2-6					.15 .10	NO NO		7 6	
A 7	3		P1-7 P2-30					.15 .10	NO NO		7 6	
A 8	3		P1-19 P2-31					.15 .10	NO NO		7 6	
A 9	3		P1-8 P2-32					.15 .10	NO NO		7 6	
A 10	3		P1-79 P2-105					.15 .10	NO NO		7 6	
A 11	3		P1-55 P2-106					.15 .10	NO NO		7 6	
A 12	3		P1-54 P2-35					.15 .10	NO NO		7 6	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR #C
SHEET 5 OF 13

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3		P1-80 P2-37					.15 .10	NO NO		7 6	
A 14	4				2.30 2.30	2.00 2.00				B,7 A,6B	10 9, 10	
A 14B	3		P2-98 SHLD A14					.10 .25	NO NO		6	
A 14L			P1-67 P2-97					.15 .10	NO NO		7 6	
A 14R			P1-68 P2-96					.15 .10	NO NO		7 6	
A 15	4				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A 15L			P1-82 P2-59					.15 .10	NO NO		7 6	
A 15R			P1-59 P2-57					.15 .10	NO NO		7 6	
A 16	4				2.30 2.30	2.00 2.00				B,7 A,6B	10 9, 10	
A 16B	3		P2-33 SHLD A16					.10 .25	NO NO		6	
A 16L			P1-50 P2-23					.15 .10	NO NO		7 6	
A 16R			P1-74 P2-21					.15 .10	NO NO		7 6	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR C	SHEET 6 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	5				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A 17L			P1-35 P2-15					.15 .10	NO NO		7 6	
A 17R			P1-34 P2-14					.15 .10	NO NO		7 6	
A 17Y			P1-58 P2-16					.15 .10	NO NO		7 6	
A 18	4				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A 18L			P1-56 P2-67					.15 .10	NO NO		7 6	
A 18R			P1-81 P2-66					.15 .10	NO NO		7 6	
A 19	4				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 19L			P1-32 P2-69					.15 .10	NO NO		7 6	
A 19R			P1-33 P2-68					.15 .10	NO NO		7 6	
A 20	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	
A 20B	3		P2-72 SHLD A20					.10 .25	NO NO		6	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR C	SHEET 7 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20L			P1-70 P2-71					.15 .10	NO NO		7 6	
A 20R			P1-46 P2-70					.15 .10	NO NO		7 6	
A 21	4				2.80 2.80	2.50 2.50				A,6A A,6B	9, 10 9, 10	
A 21A	3		SHLD A21 P1-42					.25 .15	NO NO		 7	
A 21B	3		P2-75 SHLD A21					.10 .25	NO NO		6	
A 21L			P1-66 P2-74					.15 .10	NO NO		7 6	
A 21R			P1-41 P2-73					.15 .10	NO NO		7 6	
A 22	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	
A 22B	3		P2-63 SHLD A22					.10 .25	NO NO		6	
A 22L			P1-52 P2-52					.15 .10	NO NO		7 6	
A 22R			P1-77 P2-62					.15 .10	NO NO		7 6	
A 23	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR C	SHEET 8 OF 13

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23B	3		P2-78 SHLD A23					.10 .25	NO NO		6	
A 23L			P1-47 P2-77					.15 .10	NO NO		7 6	
A 23R			P1-71 P2-76					.15 .10	NO NO		7 6	
A 24	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	
A 24B	3		P2-81 SHLD A24					.10 .25	NO NO		6	
A 24L			P1-72 P2-80					.15 .10	NO NO		7 6	
A 24R			P1-48 P2-79					.15 .10	NO NO		7 6	
A 25	3		P1-20 P2-41					.15 .10	NO NO		7 6	
A 26	4				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 26L			P1-24 P2-85					.15 .10	NO NO		7 6	
A 26R			P1-44 P2-84					.15 .10	NO NO		7 6	
A 27	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR C	SHEET 9 OF 13

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27B	3		P2-45					.10	NO		6	
			SHLD A27					.25	NO			
A 27L			P1-23					.15	NO		7	
			P2-56					.10	NO		6	
A 27R			P1-43					.15	NO		7	
			P2-46					.10	NO		6	
A 28	4				3.30	3.00				B,7	10	
					3.30	3.00				A,6B	9, 10	
A 28B	3		P2-28					.10	NO		6	
			SHLD A28					.25	NO			
A 28L			P1-39					.15	NO		7	
			P2-20					.10	NO		6	
A 28R			P1-21					.15	NO		7	
			P2-19					.10	NO		6	
A 29	4				3.30	3.00				B,7	10	
					3.30	3.00				A,6B	9, 10	
A 29B	3		P2-7					.10	NO		6	
			SHLD A29					.25	NO			
A 29L			P1-40					.15	NO		7	
			P2-18					.10	NO		6	
A 29R			P1-65					.15	NO		7	
			P2-17					.10	NO		6	
A 30	4				3.80	3.50				B,7	10	
					3.80	3.50				A,6B	9, 10	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR C
SHEET 10 OF 13

CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	3		P2-26					.10	NO		6	
			SHLD A30					.25	NO			
A 30L			P1-38					.15	NO		7	
			P2-13					.10	NO		6	
A 30R			P1-62					.15	NO		7	
			P2-12					.10	NO		6	
A 31	4				3.80	3.50				B,7	10	
					3.80	3.50				A,6B	9, 10	
A 31B	3		P2-34					.10	NO		6	
			SHLD A31					.25	NO			
A 31L			P1-63					.15	NO		7	
			P2-22					.10	NO		6	
A 31R			P1-64					.15	NO		7	
			P2-9					.10	NO		6	
A 32	4				3.80	3.50				B,7	10	
					3.80	3.50				A,6B	9, 10	
A 32B	3		P2-39					.10	NO		6	
			SHLD A32					.25	NO			
A 32L			P1-75					.15	NO		7	
			P2-24					.10	NO		6	
A 32R			P1-76					.15	NO		7	
			P2-25					.10	NO		6	
A 33	4				3.80	3.50				B,7	10	
					3.80	3.50				A,6B	9, 10	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR C
SHEET 11 OF 13

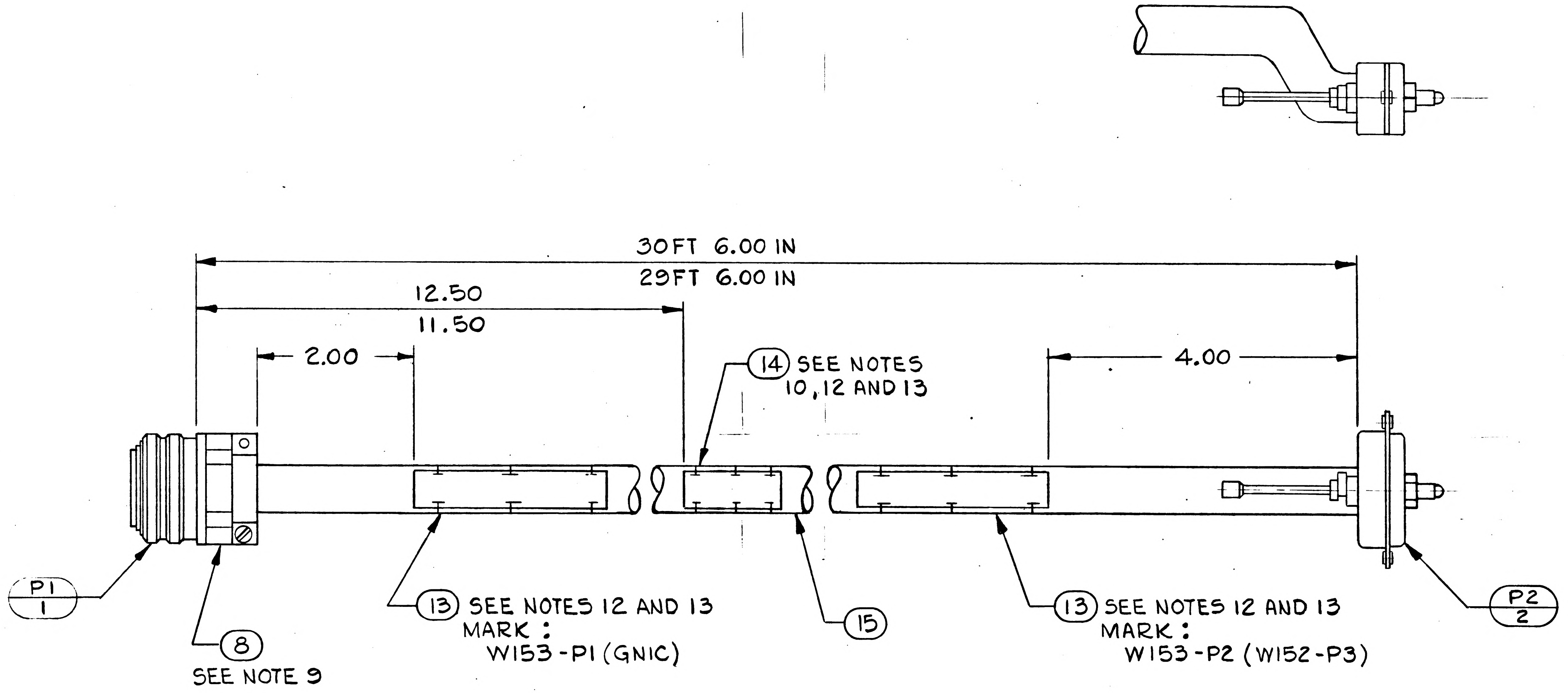
CABLE ASSEMBLY W153 2900660 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33B	3		P2-49					.10	NO		6	
			SHLD A33					.25	NO			
A 33L			P1-51					.15	NO		7	
			P2-53					.10	NO		6	
A 33R			P1-30					.15	NO		7	
			P2-54					.10	NO		6	
A 34	4				3.80	3.50				B,7	10	
					3.80	3.50				A,6B	9, 10	
A 34B	3		P2-47					.10	NO		6	
			SHLD A34					.25	NO			
A 34L			P1-53					.15	NO		7	
			P2-48					.10	NO		6	
A 34R			P1-78					.15	NO		7	
			P2-51					.10	NO		6	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR C
SHEET 12 OF 13

REVISIONS TDRR 24761

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED


30FT 6.00 IN
29FT 6.00 IN
12.50
11.50
2.00
4.00
14 SEE NOTES 10, 12 AND 13
P1
1
8
SEE NOTE 9
13 SEE NOTES 12 AND 13
MARK :
W153-P1 (GNIC)
15
13 SEE NOTES 12 AND 13
MARK :
W153-P2 (W152-P3)
P2
2

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Orzel DATE 5 Nov 65
CHECKED N. Manning 10 Nov 65
APPROVAL C. W. Wise 16 Nov 65
APPROVAL M. [illegible] 2-17-65
NASA APPROVAL A. Metzger / RJT (Conc. approval)
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W153

CODE IDENT NO. 99974
SIZE C
2900660
SCALE ——
SHEET 13 OF 13

MIL-1082D D

APPLICATION	
NEXT ASSY	- USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (-) WITH CHANGE PER MXC 206999	1 DEC 65	LK / EF
B	REVISED PER MXC 207106	8 DEC 65	RLP / EF
Ⓜ C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R
D	REV. PER TDRR 27003	15 MAR 66	OKD / CP

REV STATUS	REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN DATE 10 NOV 65
CHECKED 11 NOV 65
APPROVAL C. W. Wisehahn
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL
MIT APPROVAL

CONTRACT

CABLE ASSEMBLY, SPECIAL PURPOSE, W153

CODE IDENT NO.	SIZE		REV
99974	A	2900660	D

SCALE —

SHEET 1 OF 14

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER -
  A - ND1002071
  B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 12.

4 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

5 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

6 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

7 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

8 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
  A - FROM END SHIELD
  B - TO END SHIELD
  L - WHITE WITH BLUE TRACER
  R - WHITE WITH RED TRACER.
  Y - WHITE WITH YELLOW TRACER.

9 FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 11 TO SECURE WIRE BUNDLE TO CABLE.

10 SERIALIZE PER ND1002023.

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

12 MARKING TO READ AWAY FROM CONNECTOR.

SIZE A	CODE IDENT NO. 99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	2 OF 14

NOTE GENERAL NOTES

NUMBER DESCRIPTION

13 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

14 POT PER ND1002009 USING ITEMS 16 AND 17.

15 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

16 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	3 OF 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
4	1	1	1897249-004	CONNECTOR, PLUG ELEC
4	2	1	1897174- 4	CONNECTOR, PLUG ELEC
	3	1	2900660-001	WIRE ND1002161 TYPE 1, CLASS 1, 22AWG, WHT. 428 FT. TOTAL LENGTH
	4	1	2900660-002	WIRE ND1002161 TYPE 2, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU 540 FT. TOTAL LENGTH
	5	1	2900660-003	WIRE ND1002161 TYPE 3, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU, WHT/YEL 30 FT TOT LGTH
4	6	108	1010738- 5	CONTACT, PIN
4	7	X	1897190--002	CONTACT,SOCKET (FURNISHED WITH ITEM 1)
4	8	1	1010933-105	STRAIN RELIEF CLAMP
4	9	16	1010763- 2	SOLDER SLEEVE
4	10	40	1010490-228	INSULATION SLEEVING
	11	AR	MIL-I-631, TYPE F FORM T, BLK GRADE A, CLASS 1	FILLER TAPE .62 WIDE .020 INCH THICK.
	12	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2 BLACK, (ES2732-1)
4	13	2	1016128-041	BAND IDENTIFICATION
	14	1	1016128-011	BAND IDENTIFICATION
16	15	1	2900660-004	ZIPPER TUBING PER ND1002155, TYPE 1 GREY 1.25 INCH DIA. 30 FT. TOTAL LENGTH

SIZE A	CODE IDENT NO. 99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	4 OF 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
4	16	AR	1006834	COMPOUND, SILICONE RUBBER
4	17	AR	1016204	PRIMER FOR SILICONE RUBBER ADHESIVE AND POTTING COMPOUND.
	18	1	1016262- 18	RUBBER GROMMET

SIZE A	CODE IDENT NO. 99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	5 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	3		P1-13					.15	NO		7	
			P2-1					.10	NO		6	
A 2	3		P1-4					.15	NO		7	
			P2-2					.10	NO		6	
A 3	3		P1-12					.15	NO		7	
			P2-3					.10	NO		6	
A 4	3		P1-2					.15	NO		7	
			P2-4					.10	NO		6	
A 5	3		P1-3					.15	NO		7	
			P2-5					.10	NO		6	
A 6	3		P1-10					.15	NO		7	
			P2-6					.10	NO		6	
A 7	3		P1-7					.15	NO		7	
			P2-30					.10	NO		6	
A 8	3		P1-19					.15	NO		7	
			P2-31					.10	NO		6	
A 9	3		P1-8					.15	NO		7	
			P2-32					.10	NO		6	
A 10	3		P1-79					.15	NO		7	
			P2-105					.10	NO		6	
A 11	3		P1-55					.15	NO		7	
			P2-106					.10	NO		6	
A 12	3		P1-54					.15	NO		7	
			P2-35					.10	NO		6	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR D
SHEET 6 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3		P1-80					.15	NO		7	
			P2-37					.10	NO		6	
A 14	4				2.30	2.00				B,7	10	
					2.30	2.00				A,6B	9, 10	
A 14B	3		P2-98					.10	NO		6	
			SHLD A14					.25	NO			
A 14L			P1-67					.15	NO		7	
			P2-97					.10	NO		6	
A 14R			P1-68					.15	NO		7	
			P2-96					.10	NO		6	
A 15	4				2.30	2.00				B,7	10	
					2.30	2.00				B,7	10	
A 15L			P1-82					.15	NO		7	
			P2-59					.10	NO		6	
A 15R			P1-59					.15	NO		7	
			P2-57					.10	NO		6	
A 16	4				2.30	2.00				B,7	10	
					2.30	2.00				A,6B	9, 10	
A 16B	3		P2-33					.10	NO		6	
			SHLD A16					.25	NO			
A 16L			P1-50					.15	NO		7	
			P2-23					.10	NO		6	
A 16R			P1-74					.15	NO		7	
			P2-21					.10	NO		6	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR D
SHEET 7 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	5				2.30	2.00				B,7	10	
					2.30	2.00				B,7	10	
A 17L			P1-35					.15	NO		7	
			P2-15					.10	NO		6	
A 17R			P1-34					.15	NO		7	
			P2-14					.10	NO		6	
A 17Y			P1-58					.15	NO		7	
			P2-16					.10	NO		6	
A 18	4				2.30	2.00				B,7	10	
					2.30	2.00				B,7	10	
A 18L			P1-56					.15	NO		7	
			P2-67					.10	NO		6	
A 18R			P1-81					.15	NO		7	
			P2-66					.10	NO		6	
A 19	4				2.80	2.50				B,7	10	
					2.80	2.50				B,7	10	
A 19L			P1-32					.15	NO		7	
			P2-69					.10	NO		6	
A 19R			P1-33					.15	NO		7	
			P2-68					.10	NO		6	
A 20	4				2.80	2.50				B,7	10	
					2.80	2.50				A,6B	9, 10	
A 20B	3		P2-72					.10	NO		6	
			SHLD A20					.25	NO			

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR D
SHEET 8 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20L			P1-70					.15	NO		7	
			P2-71					.10	NO		6	
A 20R			P1-46					.15	NO		7	
			P2-70					.10	NO		6	
A 21	4				2.80	2.50				A,6A	9, 10	
					2.80	2.50				A,6B	9, 10	
A 21A	3		SHLD A21					.25	NO			
			P1-42					.15	NO		7	
A 21B	3		P2-75					.10	NO		6	
			SHLD A21					.25	NO			
A 21L			P1-66					.15	NO		7	
			P2-74					.10	NO		6	
A 21R			P1-41					.15	NO		7	
			P2-73					.10	NO		6	
A 22	4				2.80	2.50				B,7	10	
					2.80	2.50				A,6B	9, 10	
A 22B	3		P2-63					.10	NO		6	
			SHLD A22					.25	NO			
A 22L			P1-52					.15	NO		7	
			P2-52					.10	NO		6	
A 22R			P1-77					.15	NO		7	
			P2-62					.10	NO		6	
A 23	4				2.80	2.50				B,7	10	
					2.80	2.50				A,6B	9, 10	

SIZE A
CODE IDENT NO. 99974
2900660
SCALE-NONE
REV LTR D
SHEET 9 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23B	3		P2-78 SHLD A23					.10 .25	NO NO		6	
A 23L			P1-47 P2-77					.15 .10	NO NO		7 6	
A 23R			P1-71 P2-76					.15 .10	NO NO		7 6	
A 24	4				3.30 3.30	3.00 3.00				B,7 A,68	10 9, 10	
A 24B	3		P2-81 SHLD A24					.10 .25	NO NO		6	
A 24L			P1-72 P2-60					.15 .10	NO NO		7 6	
A 24R			P1-43 P2-79					.15 .10	NO NO		7 6	
A 25	3		P1-20 P2-41					.15 .10	NO NO		7 6	
A 26	4				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 26L			P1-24 P2-85					.15 .10	NO NO		7 6	
A 26R			P1-44 P2-84					.15 .10	NO NO		7 6	
A 27	4				3.30 3.30	3.00 3.00				B,7 A,68	10 9, 10	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR D	SHEET 10 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27B	3		P2-45 SHLD A27					.10 .25	NO NO		6	
A 27L			P1-23 P2-56					.15 .10	NO NO		7 6	
A 27R			P1-43 P2-46					.15 .10	NO NO		7 6	
A 28	4				3.30 3.30	3.00 3.00				B,7 A,68	10 9, 10	
A 28B	3		P2-28 SHLD A28					.10 .25	NO NO		6	
A 28L			P1-39 P2-20					.15 .10	NO NO		7 6	
A 28R			P1-21 P2-19					.15 .10	NO NO		7 6	
A 29	4				3.30 3.30	3.00 3.00				B,7 A,68	10 9, 10	
A 29B	3		P2-7 SHLD A29					.10 .25	NO NO		6	
A 29L			P1-40 P2-18					.15 .10	NO NO		7 6	
A 29R			P1-65 P2-17					.15 .10	NO NO		7 6	
A 30	4				3.80 3.80	3.50 3.50				B,7 A,68	10 9, 10	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR D	SHEET 11 OF 14

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	3		P2-26 SHLD A30					.10 .25	NO NO		6	
A 30L			P1-38 P2-13					.15 .10	NO NO		7 6	
A 30R			P1-62 P2-12					.15 .10	NO NO		7 6	
A 31	4				3.80 3.80	3.50 3.50				B,7 A,68	10 9, 10	
A 31B	3		P2-34 SHLD A31					.10 .25	NO NO		6	
A 31L			P1-63 P2-22					.15 .10	NO NO		7 6	
A 31R			P1-64 P2-9					.15 .10	NO NO		7 6	
A 32	4				3.80 3.80	3.50 3.50				B,7 A,68	10 9, 10	
A 32B	3		P2-39 SHLD A32					.10 .25	NO NO		6	
A 32L			P1-75 P2-24					.15 .10	NO NO		7 6	
A 32R			P1-76 P2-25					.15 .10	NO NO		7 6	
A 33	4				3.30 3.80	3.50 3.50				B,7 A,68	10 9, 10	

SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR D	SHEET 12 OF 14

CABLE ASSEMBLY W153 2900660 D

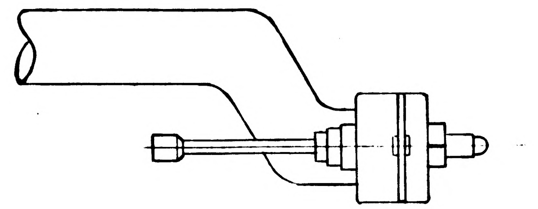
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
A 33B	3		P2-49 SHLD A33					.10 .25	NO NO		6	
A 33L			P1-51 P2-53					.15 .10	NO NO		7 6	
A 33R			P1-30 P2-54					.15 .10	NO NO		7 6	
A 34	4				3.80 3.80	3.50 3.50				B,7 A,68	10 9, 10	
A 34B	3		P2-47 SHLD A34					.10 .25	NO NO		6	
A 34L			P1-53 P2-48					.15 .10	NO NO		7 6	
A 34R			P1-78 P2-51					.15 .10	NO NO		7 6	

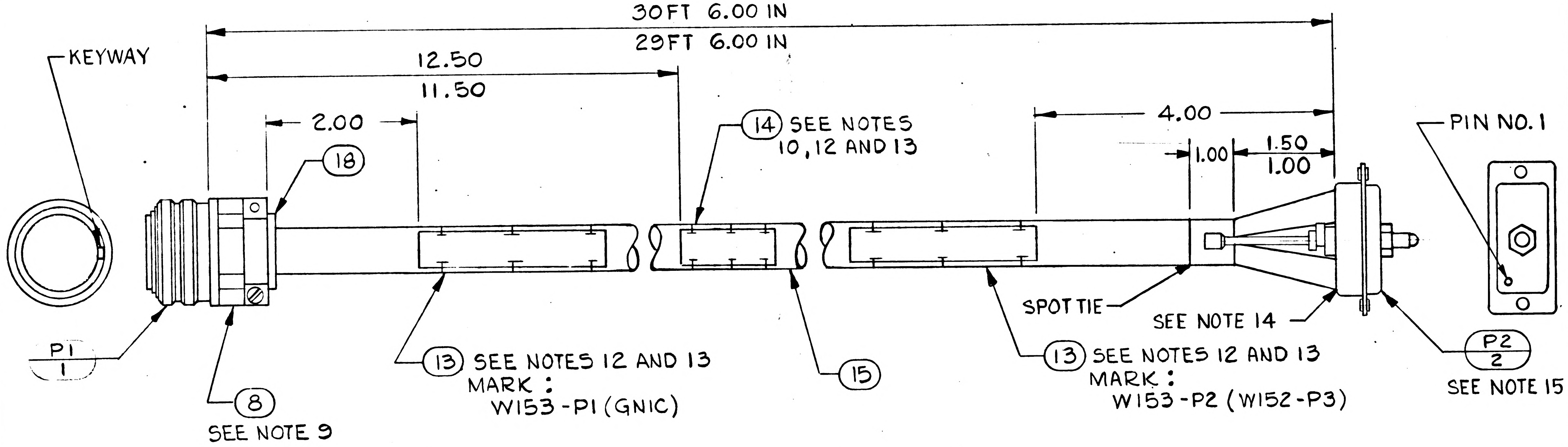
SIZE	CODE IDENT NO.	
A	99974	2900660
SCALE-NONE	REV LTR D	SHEET 13 OF 14

2900660 REV LTR D

REVISIONS TDRR 24761

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED




30FT 6.00 IN
29FT 6.00 IN
KEYWAY
12.50
11.50
2.00
18
14 SEE NOTES 10,12 AND 13
4.00
1.00
1.50
1.00
PIN NO. 1
P1
1
8
SEE NOTE 9
13 SEE NOTES 12 AND 13
MARK :
W153-P1 (GNIC)
15
SPOT TIE
SEE NOTE 14
13 SEE NOTES 12 AND 13
MARK :
W153-P2 (W152-P3)
P2
2
SEE NOTE 15

2900660

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Fizel DATE 5 Nov 65
CHECKED 10 Nov 65
APPROVAL 16 Nov 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W153

CODE IDENT NO. 99974
SIZE C
2900660
SCALE —
SHEET 14 OF 14

MIL-1052D D

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV (-) WITH CHANGE PER MXC 206999	1 DEC 65	LK EF
		B	REVISED PER MXC 207106	8 DEC 65	RLP EF
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.D.R
		D	REV. PER TDRR 27003	15 MAR 66	OKD CP
		E	REVISED PER TDRR 27256	24 MAR 66	RLP J.E.G.

REV STATUS	REV	E	E	E	D	D	D	D	D	D	D	D	D	D	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Orzek DATE 10 NOV 65
CHECKED 11 NOV 65
APPROVAL C. W. Wise 16 Nov
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL
MIT APPROVAL

CONTRACT

CABLE ASSEMBLY, SPECIAL PURPOSE, W153

CODE IDENT NO.	SIZE		REV
99974	A	2900660	E

SCALE —

SHEET 1 OF 14

NOTE NUMBER — GENERAL NOTES — DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER –
A – ND1002071
B – ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019.

4 VENDOR ITEM – SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

5 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

6 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

7 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

8 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER –
A – FROM END SHIELD
B – TO END SHIELD
L – WHITE WITH BLUE TRACER
R – WHITE WITH RED TRACER.
Y – WHITE WITH YELLOW TRACER.

9 FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 11 TO SECURE WIRE BUNDLE TO CABLE.

10 SERIALIZE PER ND1002023.

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

12 SECURE TO CABLE USING ITEM 12. MARKING TO READ AWAY FROM CONNECTOR

NOTE NUMBER — GENERAL NOTES — DESCRIPTION

13 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

14 POT PER ND1002009 USING ITEMS 16 AND 17. POTTING MATERIAL TO EXTEND 1/4 + 1/16 – 0 INCH ABOVE REAR EDGE OF CONNECTOR.

15 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

16 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06–.06	+.06–.06	+.06–.06	+.06–.00
3 INCH TO 3 FT	+.25–.25	+.25–.25	+.25–.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
4	1	1	1897249-004	CONNECTOR, PLUG ELEC
4	2	1	1897174- 4	CONNECTOR, PLUG ELEC
	3	1	2900660-001	WIRE ND1002181 TYPE 1, CLASS 1, 22AWG, WHT. 428 FT. TOTAL LENGTH
	4	1	2900660-002	WIRE ND1002181 TYPE 2, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU 540 FT. TOTAL LENGTH
	5	1	2900660-003	WIRE ND1002181 TYPE 3, CLASS 4, WHT. JKT. 22AWG WHT/RED, WHT/BLU, WHT/YEL 30 FT TOT LGTH
4	6	108	1010738- 5	CONTACT, PIN
4	7	X	1897190--002	CONTACT,SOCKET (FURNISHED WITH ITEM 1)
4	8	1	1010933-105	STRAIN RELIEF CLAMP
4	9	16	1010763- 2	SOLDER SLEEVE
4	10	40	1010490-228	INSULATION SLEEVING
	11	AR	MIL-I-631, TYPE F FORM T, BLK GRADE A, CLASS 1	FILLER TAPE ~~[illegible]~~ .62 WIDE .020 INCH THICK.
	12	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2 BLACK, (ES2732-1)
4	13	2	1016128-041	BAND IDENTIFICATION
	14	1	1016128-011	BAND IDENTIFICATION
16	15	1	2900660-004	ZIPPER TUBING PER ND1002155, TYPE 1 GREY 1.25 INCH DIA. 30 FT. TOTAL LENGTH

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
4	16	AR	1006834	COMPOUND, SILICONE RUBBER
4	17	AR	1016204	PRIMER FOR SILICONE RUBBER ADHESIVE AND POTTING COMPOUND.
	18	1	1016282- 18	RUBBER GROMMET

CABLE ASSEMBLY W153 2900660 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	3		P1-13 P2-1					.15 .10	NO NO		7 6	
A	2	3		P1-4 P2-2					.15 .10	NO NO		7 6	
A	3	3		P1-12 P2-3					.15 .10	NO NO		7 6	
A	4	3		P1-2 P2-4					.15 .10	NO NO		7 6	
A	5	3		P1-3 P2-5					.15 .10	NO NO		7 6	
A	6	3		P1-10 P2-6					.15 .10	NO NO		7 6	
A	7	3		P1-7 P2-30					.15 .10	NO NO		7 6	
A	8	3		P1-19 P2-31					.15 .10	NO NO		7 6	
A	9	3		P1-8 P2-32					.15 .10	NO NO		7 6	
A	10	3		P1-79 P2-105					.15 .10	NO NO		7 6	
A	11	3		P1-55 P2-106					.15 .10	NO NO		7 6	
A	12	3		P1-54 P2-35					.15 .10	NO NO		7 6	

SIZE	CODE IDENT NO.			
A	99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	6 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	3		P1-80 P2-37					.15 .10	NO NO		7 6	
A	14	4				2.30 2.30	2.00 2.00				B,7 A,6B	10 9, 10	
A	14B	3		P2-98 SHLD A14					.10 .25	NO NO		6	
A	14L			P1-67 P2-97					.15 .10	NO NO		7 6	
A	14R			P1-68 P2-96					.15 .10	NO NO		7 6	
A	15	4				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A	15L			P1-82 P2-59					.15 .10	NO NO		7 6	
A	15R			P1-59 P2-57					.15 .10	NO NO		7 6	
A	16	4				2.30 2.30	2.00 2.00				B,7 A,6B	10 9, 10	
A	16B	3		P2-33 SHLD A16					.10 .25	NO NO		6	
A	16L			P1-50 P2-23					.15 .10	NO NO		7 6	
A	16R			P1-74 P2-21					.15 .10	NO NO		7 6	

SIZE	CODE IDENT NO.			
A	99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	7 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	5				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A	17L			P1-35 P2-15					.15 .10	NO NO		7 6	
A	17R			P1-34 P2-14					.15 .10	NO NO		7 6	
A	17Y			P1-58 P2-16					.15 .10	NO NO		7 6	
A	18	4				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A	18L			P1-56 P2-67					.15 .10	NO NO		7 6	
A	18R			P1-81 P2-66					.15 .10	NO NO		7 6	
A	19	4				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A	19L			P1-32 P2-69					.15 .10	NO NO		7 6	
A	19R			P1-33 P2-68					.15 .10	NO NO		7 6	
A	20	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	
A	20B	3		P2-72 SHLD A20					.10 .25	NO NO		6	

SIZE	CODE IDENT NO.			
A	99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	8 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	20L			P1-70 P2-71					.15 .10	NO NO		7 6	
A	20R			P1-46 P2-70					.15 .10	NO NO		7 6	
A	21	4				2.80 2.80	2.50 2.50				A,6A A,6B	9, 10 9, 10	
A	21A	3		SHLD A21 P1-42					.25 .15	NO NO		7	
A	21B	3		P2-75 SHLD A21					.10 .25	NO NO		6	
A	21L			P1-66 P2-74					.15 .10	NO NO		7 6	
A	21R			P1-41 P2-73					.15 .10	NO NO		7 6	
A	22	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	
A	22B	3		P2-63 SHLD A22					.10 .25	NO NO		6	
A	22L			P1-52 P2-52					.15 .10	NO NO		7 6	
A	22R			P1-77 P2-62					.15 .10	NO NO		7 6	
A	23	4				2.80 2.80	2.50 2.50				B,7 A,6B	10 9, 10	

SIZE	CODE IDENT NO.			
A	99974	2900660		
SCALE-NONE	REV LTR	D	SHEET	9 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 23B	3		P2-78 SHLD A23					.10 .25	NO NO		6	
A 23L			P1-47 P2-77					.15 .10	NO NO		7 6	
A 23R			P1-71 P2-76					.15 .10	NO NO		7 6	
A 24	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	
A 24B	3		P2-81 SHLD A24					.10 .25	NO NO		6	
A 24L			P1-72 P2-80					.15 .10	NO NO		7 6	
A 24R			P1-48 P2-79					.15 .10	NO NO		7 6	
A 25	3		P1-20 P2-41					.15 .10	NO NO		7 6	
A 26	4				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 26L			P1-24 P2-85					.15 .10	NO NO		7 6	
A 26R			P1-44 P2-84					.15 .10	NO NO		7 6	
A 27	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	

SIZE A	CODE IDENT NO. 99974	2900660
SCALE-NONE	REV LTR D	SHEET 10 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27B	3		P2-45 SHLD A27					.10 .25	NO NO		6	
A 27L			P1-23 P2-56					.15 .10	NO NO		7 6	
A 27R			P1-43 P2-46					.15 .10	NO NO		7 6	
A 28	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	
A 28B	3		P2-28 SHLD A28					.10 .25	NO NO		6	
A 28L			P1-39 P2-20					.15 .10	NO NO		7 6	
A 28R			P1-21 P2-19					.15 .10	NO NO		7 6	
A 29	4				3.30 3.30	3.00 3.00				B,7 A,6B	10 9, 10	
A 29B	3		P2-7 SHLD A29					.10 .25	NO NO		6	
A 29L			P1-40 P2-18					.15 .10	NO NO		7 6	
A 29R			P1-65 P2-17					.15 .10	NO NO		7 6	
A 30	4				3.80 3.80	3.50 3.50				B,7 A,6B	10 9, 10	

SIZE A	CODE IDENT NO. 99974	2900660
SCALE-NONE	REV LTR D	SHEET 11 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W153 2900660 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	3		P2-26 SHLD A30					.10 .25	NO NO		6	
A 30L			P1-38 P2-13					.15 .10	NO NO		7 6	
A 30R			P1-62 P2-12					.15 .10	NO NO		7 6	
A 31	4				3.80 3.80	3.50 3.50				B,7 A,6B	10 9, 10	
A 31B	3		P2-34 SHLD A31					.10 .25	NO NO		6	
A 31L			P1-63 P2-22					.15 .10	NO NO		7 6	
A 31R			P1-64 P2-9					.15 .10	NO NO		7 6	
A 32	4				3.80 3.80	3.50 3.50				B,7 A,6B	10 9, 10	
A 32B	3		P2-39 SHLD A32					.10 .25	NO NO		6	
A 32L			P1-75 P2-24					.15 .10	NO NO		7 6	
A 32R			P1-76 P2-25					.15 .10	NO NO		7 6	
A 33	4				3.80 3.80	3.50 3.50				B,7 A,6B	10 9, 10	

SIZE A	CODE IDENT NO. 99974	2900660
SCALE-NONE	REV LTR D	SHEET 12 OF 14

MIL 2084 9-65

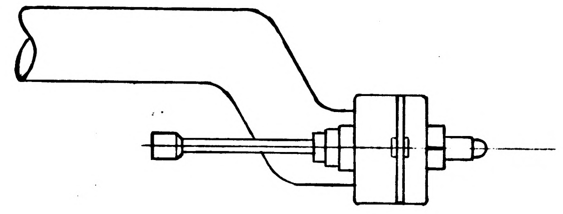
CABLE ASSEMBLY W153 2900660 D

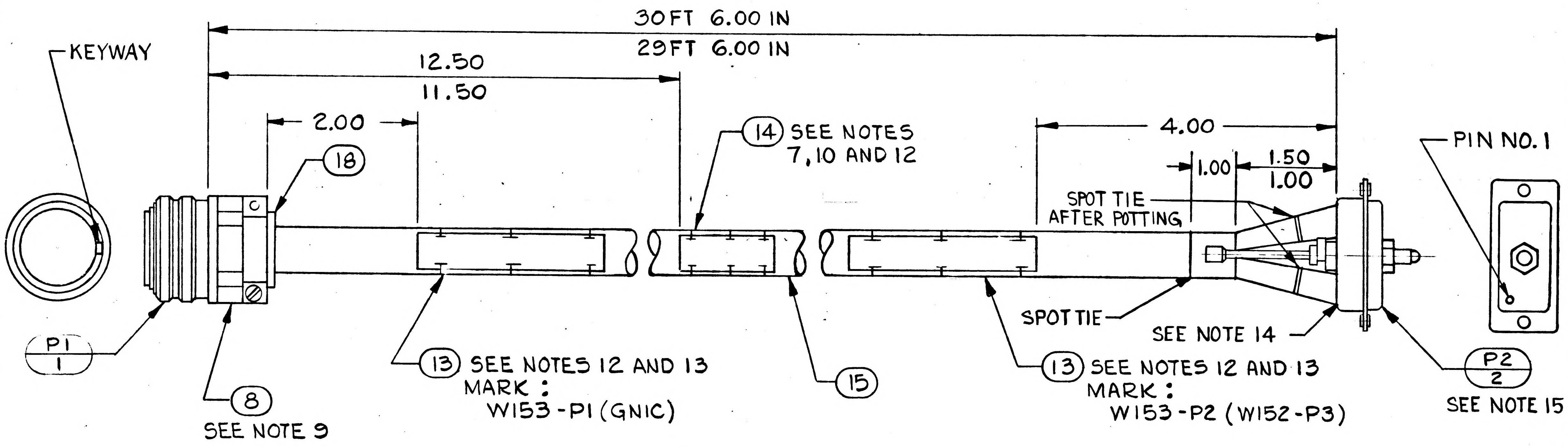
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33B	3		P2-49 SHLD A33					.10 .25	NO NO		6	
A 33L			P1-51 P2-53					.15 .10	NO NO		7 6	
A 33R			P1-30 P2-54					.15 .10	NO NO		7 6	
A 34	4				3.80 3.80	3.50 3.50				B,7 A,6B	10 9, 10	
A 34B	3		P2-47 SHLD A34					.10 .25	NO NO		6	
A 34L			P1-53 P2-48					.15 .10	NO NO		7 6	
A 34R			P1-78 P2-51					.15 .10	NO NO		7 6	

SIZE A	CODE IDENT NO. 99974	2900660
SCALE-NONE	REV LTR D	SHEET 13 OF 14

MIL 2084 9-65

REVISIONS TDRR 24761					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED




KEYWAY
30FT 6.00 IN
29FT 6.00 IN
12.50
11.50
2.00
18
14 SEE NOTES 7,10 AND 12
4.00
1.00
1.50
1.00
SPOT TIE AFTER POTTING
PIN NO. 1
P1
1
8
SEE NOTE 9
13 SEE NOTES 12 AND 13
MARK :
W153-P1 (GNIC)
15
SPOT TIE
SEE NOTE 14
13 SEE NOTES 12 AND 13
MARK :
W153-P2 (W152-P3)
P2
2
SEE NOTE 15

2900660

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Orzel DATE 5 NOV 65
CHECKED N. Manning 10 NOV 65
APPROVAL C. W. Wise 16 Nov 65
APPROVAL Muentum 2-17-65
NASA APPROVAL a Metzger/RTT (Basic Approval)
MIT APPROVAL W Kupfer 20 Feb

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W153

CODE IDENT NO. 99974
SIZE C
2900660
SCALE ——
SHEET 14 OF 14

MIL-1082D D

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC206224	19 OCT 65	R.W.T.
B	REVISED PER MXC 206334	28 OCT 65	JWP
C	REVISED PER MXC 207332	9 DEC 65	JWP
D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP

REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43

REV STATUS REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

S. Erickson
15 OCT 65

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN [illegible] DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E. Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL A. Metz[illegible]
MIT APPROVAL [illegible] 20 Dec 65

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED-W154

CODE IDENT NO.	SIZE		REV
99974	A	2900661	D

SCALE NONE

SHEET 1 OF 43

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SECURE TO CABLE USING ITEM 28. MARKING TO READ AWAY FROM CONNECTOR'
9	SERIALIZE PER ND1002023
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE I, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 29 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
14	APPLY ITEM 22 TO LEAD END.

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER.
16	SEPARATE ZIPPER TUBING TO TEAR STOP
17	SPOT TIE ITEM 31 TO ITEM 8 AT 4 INCH INTERVALS USING ITEM 28.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900661-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	2	1	2900661-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 232 FT. TOTAL LENGTH
	3	1	2900661-003	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 12 FT. TOTAL LENGTH
	4	1	2900661-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 39 FT. TOTAL LENGTH
	5	1	2900661-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. [illegible] FT. TOTAL LENGTH 75
	6	1	2900661-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. ~~142~~ FT. TOTAL LENGTH 138
	7	1	2900661-007	WIRE, ND1002181, TYPE 1 CLASS 4, WHT. JKT., 22AWG, WHT., 4 FT. TOTAL LENGTH
	8	1	2900661-008	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.12 DIA EACH CHANNEL, 5 FT. TOTAL LENGTH
7	9	1	1897215-013	CONNECTOR PLUG, ELECT.
	10	1	2900714-011	CONNECTOR PLUG, ELECT., 300 PIN
	11	1	2900854-011	CONNECTOR PLUG, ELECT.,
7	12	~~361~~ 130	1897300-~~001~~003	CONTACT, ELECT. SPRING SOCKET
7	13	44	1016369-188	CONTACT, INNER MALE

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	~~42~~ 37	1016369-288	CONTACT, OUTER MALE
7	15	~~43~~ 37	1016369-388	CONTACT, INNER FEMALE
7	16	44	1016369-488	CONTACT, OUTER FEMALE
7	17	~~87~~ 81	1016369-588	HYRING
7	18	44	1016369-711	INNER SLEEVE
7	19	~~42~~ 37	1016369-712	INNER SLEEVE
7	20	~~86~~ 81	1016369-713	OUTER SLEEVE
7	21	125	1010763- 2	SOLDER SLEEVE
7	22	AR	1016198- 1	GLYPTAL
7	23	174	1010490-228	INSULATION SLEEVING
7	24	2	1010490-232	INSULATION SLEEVING
7	25	~~387~~ 360	1015864-232	INSULATION SLEEVING
7	26	1	1016128-011	BAND, IDENTIFICATION
7	27	4	1016128-041	BAND, IDENTIFICATION
	28	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	29	AR	1901390	FILLER TAPE
7	30	1	1897215-003	CONNECTOR PLUG, ELEC.

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	31	1	2900661-009	ZIPPER TUBING PER ND1002155, TYPE I GRAY ZTZ ~~IV, 2 CHANNEL~~ 1.25 DIA. ~~EACH CHANNEL~~, 4 FT. TOTAL LENGTH
7	32	11	1016369-421	CONTACT, FEMALE
7	33	1	1016369-420	CONTACT, MALE
7	34	230	1897300-002	CONTACT, ELECT. SPRING SOCKET

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 6 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6	P1-45/0 P3-A9					.23 .18	NO NO		17, 14 12	USE WITH P1-45/I
A	2	6	P1-45/I P3-B9					.22 .18	NO NO		15, 19, 20 12	
A	3	6	P1-46/0 P3-C10					.23 .18	NO NO		17, 14 12	USE WITH P1-46/I
A	4	6	P1-46/I P3-C9					.22 .18	NO NO		15, 19, 20 12	
A	5	6	P1-48/0 P3-C8					.23 .18	NO NO		17, 14 12	USE WITH P1-48/I
A	6	6	P1-48/I P3-D8					.22 .18	NO NO		15, 19, 20 12	
A	7	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	7A	6	SHLD A7 P1-49/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-49/0
A	7L		P1-50/0 P3-H10					.23 .18	NO NO		17, 14 12	
A	7R		P1-50/I P3-H9					.22 .18	NO NO		15, 19, 20 12	
A	8	6	8.00 P1-49/0 FREE END					.23	NO		17, 14	SEE NOTE 14
A	9	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 7 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9A	6	SHLD A9 P1-2/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-2/0
A	9L		P1-1/0 P3-B31					.23 .18	NO NO		17, 14 12	
A	9R		P1-1/I P3-A31					.22 .18	NO NO		15, 19, 20 12	
A	10	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	10A	6	SHLD A10 P1-2/0					.25 .23	NO NO		17, 14	USE WITH P1-2/I
A	10L		P1-3/0 P3-B32					.23 .18	NO NO		17, 14 12	
A	10R		P1-3/I P3-A32					.22 .18	NO NO		15, 19, 20 12	
A	11	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	11A	6	SHLD A11 P1-5/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-5/0
A	11L		P1-4/0 P3-B33					.23 .18	NO NO		17, 14 12	
A	11R		P1-4/I P3-A33					.22 .18	NO NO		15, 19, 20 12	
A	12	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 8 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12A	6	SHLD A12 P1-5/0					.25 .23	NO NO		17, 14	USE WITH P1-5/I
A	12L		P1-6/0 P3-B34					.23 .18	NO NO		17, 14 12	
A	12R		P1-6/I P3-A34					.22 .18	NO NO		15, 19, 20 12	
A	13	2			3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A	13A	6	SHLD A13 P1-8/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-8/0
A	13L		P1-7/0 P3-B35					.23 .18	NO NO		17, 14 12	
A	13R		P1-7/I P3-A35					.22 .18	NO NO		15, 19, 20 12	
A	14	2			3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A	14A	6	SHLD A14 P1-8/0					.25 .23	NO NO		17, 14	USE WITH P1-8/I
A	14L		P1-9/0 P3-B36					.23 .18	NO NO		17, 14 12	
A	14R		P1-9/I P3-A36					.22 .18	NO NO		15, 19, 20 12	
A	15	2			3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 9 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15A	6		SHLD A15 P1-11/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-11/0
A 15L			P1-10/0 P3-F36					.23 .18	NO NO		17, 14 12	
A 15R			P1-11/I P3-F37					.22 .18	NO NO		15, 19, 20 12	
A 16	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 16A	6		SHLD A16 P1-11/0					.25 .23	NO NO		17, 14	USE WITH P1-11/I
A 16L			P1-12/0 P3-[redacted] B29					.23 .18	NO NO		17, 14 12	
A 16R			P1-12/I P3-[redacted] A29					.22 .18	NO NO		15, 19, 20 12	
A 17	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 17A	6		SHLD A17 P1-14					.25 .19	NO NO		33	
A 17L			P1-13/0 P3-B28					.23 .18	NO NO		17, 14 12	
A 17R			P1-13/I P3-A28					.22 .18	NO NO		15, 19, 20 12	
A 18	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

CODE IDENT NO. 99974 | SIZE A | ~~MX 114884~~ 2900661
SCALE-NONE | REV LTR D | SHEET 10 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18A	6		SHLD A18 P1-25/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-25/0
A 18L			P1-24/0 P3-[redacted] H39					.23 .18	NO NO		17, 14 12	
A 18R			P1-24/I P3-K39					.22 .18	NO NO		15, 19, 20 12	
A 19	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 19A	6		SHLD A19 P1-25/0					.25 .23	NO NO		17, 14	USE WITH P1-25/I
A 19L			P1-26/0 P3-K38					.23 .18	NO NO		17, 14 12	
A 19R			P1-26/I P3-H38					.22 .18	NO NO		15, 19, 20 12	
A 20	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 20A	6		SHLD A20 P1-16/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-16/0
A 20L			P1-15/0 P3-H37					.23 .18	NO NO		17, 14 12	
A 20R			P1-15/I P3-K37					.22 .18	NO NO		15, 19, 20 12	
A 21	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	

CODE IDENT NO. 99974 | SIZE A | ~~MX 114884~~ 2900661
SCALE-NONE | REV LTR D | SHEET 11 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21A	6		SHLD A21 P1-16/0					.25 .23	NO NO		17, 14	USE WITH P1-16/I
A 21L			P1-17/0 P3-K36					.23 .18	NO NO		17, 14 12	
A 21R			P1-17/I P3-H36					.22 .18	NO NO		15, 19, 20 12	
A 22	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 22A	6		SHLD A22 P1-19/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-19/0
A 22L			P1-18/0 P3-H41					.23 .18	NO NO		17, 14 12	
A 22R			P1-18/I P3-G41					.22 .18	NO NO		15, 19, 20 12	
A 23	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 23A	6		SHLD A23 P1-19/0					.25 .23	NO NO		17, 14	USE WITH P1-19/I
A 23L			P1-20/0 P3-F39					.23 .18	NO NO		17, 14 12	
A 23R			P1-20/I P3-F40					.22 .18	NO NO		15, 19, 20 12	
A 24	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	

CODE IDENT NO. 99974 | SIZE A | ~~MX 114884~~ 2900661
SCALE-NONE | REV LTR D | SHEET 12 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P1-44/0 P3-C19					.23 .18	NO NO		17, 14 12	
A 24R			P1-44/I P3-C18					.22 .18	NO NO		15, 19, 20 12	
A 25	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 25L			P1-43/0 P3-D9					.23 .18	NO NO		17, 14 12	
A 25R			P1-43/I P3-D10					.22 .18	NO NO		15, 19, 20 12	
A 26	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 26L			P1-31/0 P3-B20					.23 .18	NO NO		17, 14	
A 26R			P1-31/I P3-C20					.22 .18	NO NO		15, 19, 20 12	
A 26Y			P1-32[redacted] P3-B21					.19 [redacted] .18	NO NO		32 ~~15, 19, 20~~ 12	~~USE WITH A40~~
A 27	6		P1-33/0 P3-B12					.23 .18	NO NO		17, 14 12	USE WITH P1-33/I
A 28	6		P1-33/I P3-A12					.22 .18	NO NO		15, 19, 20 12	USE WITH P1-33/0
A 29	6		P1-35/0 P3-A11					.23 .18	NO NO		17, 14 12	

CODE IDENT NO. 99974 | SIZE A | ~~MX 114884~~ 2900661
SCALE-NONE | REV LTR D | SHEET 13 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	30	6		P1-35/I P3-B11					.22 .18	NO NO		15, 19, 20 12	
A	31	6		P1-36/0 P3-B13					.23 .18	NO NO		17, 14 12	
A	32	6		P1-36/I P3-A13					.22 .18	NO NO		15, 19, 20 12	
A	33	6		P1-37[redacted] P3-A14					.19 [redacted] .18	NO NO		32 ~~15, 19, 20 USE WITH A42~~ 12	
A	34	6		P1-39[redacted] P3-B16					.19 [redacted] .18	NO NO		32 ~~15, 19, 20 USE WITH A43~~ 12	
A	35	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A	35L			P1-42/I P3-D12					.22 .18	NO NO		15, 19, 20 12	
A	35R			P1-41[redacted] P3-D13					.12 [redacted] .18	NO NO		32 ~~15, 19, 20 USE WITH P1-41/0~~ 12	
A	35Y			P1-42/0 P3-D11					.23 .18	NO NO		17, 14 12	
A	36	~~6~~	~~8.00~~	~~P1-41/0~~ ~~FREE END~~	DELETED				~~.23~~	~~NO~~		~~17, 14~~	~~SEE NOTE 14~~
A	37	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A	37L			P1-27/0 P3-C15					.23 .18	NO NO		17, 14 12	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661		
SCALE-NONE	REV LTR	D	SHEET	14 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	37R			P1-27/I P3-B15					.22 .18	NO NO		15, 19, 20 12	
A	37Y			FREE END P3-A15					.18	NO		12	SEE NOTE 14
A	38	5		P1-29[redacted] P3-C16					.19 [redacted] .18	NO NO		32 ~~15, 19, 20 USE WITH A41~~ [redacted] 34	
A	39	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	39L			P1-38/0 P3-C17					.23 .18	NO NO		17, 14 12	
A	39R			P1-38/I P3-B18					.22 .18	NO NO		15, 19, 20 12	
A	39Y			FREE END P3-B17					.18	NO		12	SEE NOTE 14
A	40	~~6~~	~~8.00~~	~~P1-32/0~~ ~~FREE END~~	DELETED				~~.23~~	~~NO~~		~~17, 14~~	~~SEE NOTE 14~~
A	41	~~6~~	~~8.00~~	~~P1-29/0~~ ~~FREE END~~	DELETED				~~.23~~	~~NO~~		~~17, 14~~	~~SEE NOTE 14~~
A	42	~~6~~	~~8.00~~	~~P1-37/0~~ ~~FREE END~~	DELETED				~~.23~~	~~NO~~		~~17, 14~~	~~SEE NOTE 14~~
A	43	~~6~~	~~8.00~~	~~P1-39/0~~ ~~FREE END~~	DELETED				~~.23~~	~~NO~~		~~17, 14~~	~~SEE NOTE 14~~
A	44	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661		
SCALE-NONE	REV LTR	D	SHEET	15 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	44L			P1-40/0 P4-636					.23 .18	NO NO		17, 14 12	
A	44R			P1-40/I P4-536					.22 .18	NO NO		15, 19, 20 12	
A	45	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	45A	6		SHLD A45 P2-2/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-2/0
A	45B	5		P4-410 SHLD A45					.18 .25	NO NO		[redacted] 34	
A	45L			P2-1/0 P4-510					.23 .18	NO NO		17, 16 12	
A	45R			P2-1/I P4-610					.22 .18	NO NO		20, 18, 13 12	
A	46	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	46A	6		SHLD A46 P2-2/0					.25 .22	NO NO		17, 16	USE WITH P2-2/I
A	46B	5		P4-110 SHLD A46					.18 .25	NO NO		[redacted] 34	
A	46L			P2-3/0 P4-210					.23 .18	NO NO		17, 16 12	
A	46R			P2-3/I P4-310					.22 .18	NO NO		20, 18, 13 12	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661		
SCALE-NONE	REV LTR	D	SHEET	16 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	47	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	47A	6		SHLD A47 P2-5/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-5/0
A	47B	5		P4-409 SHLD A47					.18 .25	NO NO		[redacted] 34	
A	47L			P2-4/0 P4-509					.23 .18	NO NO		17, 16 12	
A	47R			P2-4/I P4-609					.22 .18	NO NO		20, 18, 13 12	
A	48	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	48A	6		SHLD A48 P2-5/0					.25 .22	NO NO		17, 16	USE WITH P2-5/I
A	48B	5		P4-109 SHLD A48					.18 .25	NO NO		[redacted] 34	
A	48L			P2-6/0 P4-209					.23 .18	NO NO		17, 16 12	
A	48R			P2-6/I P4-309					.22 .18	NO NO		20, 18, 13 12	
A	49	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	49A	6		SHLD A49 P2-8/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-8/0

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661		
SCALE-NONE	REV LTR	D	SHEET	17 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49B	5		P4-408 SHLD A49					.18 .25	NO NO		12	
A	49L			P2-7/0 P4-508					.23 .18	NO NO		17, 16 12	
A	49R			P2-7/I P4-608					.22 .18	NO NO		20, 18, 13 12	
A	50	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	50A	6		SHLD A50 P2-8/0					.25 .23	NO NO		 17, 16	 USE WITH P2-8/I
A	50B	5		P4-108 SHLD A50					.18 .25	NO NO		34	
A	50L			P2-9/0 P4-208					.23 .18	NO NO		17, 16 12	
A	50R			P2-9/I P4-308					.22 .18	NO NO		20, 18, 13 12	
A	51	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	51A	6		SHLD A51 P2-11/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-11/0
A	51B	5		P4-407 SHLD A51					.18 .25	NO NO		34	
A	51L			P2-10/0 P4-507					.23 .18	NO NO		17, 16 12	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 18 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	51R			P2-10/I P4-607					.22 .18	NO NO		20, 18, 13 12	
A	52	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	52A	6		SHLD A52 P2-11/0					.25 .23	NO NO		 17, 16	 USE WITH P2-11/I
A	52B	5		P4-107 SHLD A52					.18 .25	NO NO		34	
A	52L			P2-12/0 P4-207					.23 .18	NO NO		17, 16 12	
A	52R			P2-12/I P4-307					.22 .18	NO NO		20, 18, 13 12	
A	53	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	53A	6		SHLD A53 P2-14/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-14/0
A	53B	5		P4-406 SHLD A53					.18 .25	NO NO		34	
A	53L			P2-13/0 P4-506					.23 .18	NO NO		17, 16 12	
A	53R			P2-13/I P4-606					.22 .18	NO NO		20, 18, 13 12	
A	54	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 19 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	54A	6		SHLD A54 P2-14/0					.25 .23	NO NO		 17, 16	 USE WITH P2-14/I
A	54B	5		P4-106 SHLD A54					.18 .25	NO NO		34	
A	54L			P2-15/0 P4-206					.23 .18	NO NO		17, 16 12	
A	54R			P2-15/I P4-306					.22 .18	NO NO		20, 18, 13 12	
A	55	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	55A	6		SHLD A55 P2-17/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-17/0
A	55B	5		P4-405 SHLD A55					.18 .25	NO NO		34	
A	55L			P2-16/0 P4-505					.23 .18	NO NO		17, 16 12	
A	55R			P2-16/I P4-605					.22 .18	NO NO		20, 18, 13 12	
A	56	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	56A	6		SHLD A56 P2-17/0					.25 .23	NO NO		 17, 16	 USE WITH P2-17/I
A	56B	5		P4-105 SHLD A56					.18 .25	NO NO		34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 20 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	56L			P2-18/0 P4-205					.23 .18	NO NO		17, 16 12	
A	56R			P2-18/I P4-305					.22 .18	NO NO		20, 18, 13 12	
A	57	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	57A	6		SHLD A57 P2-20/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-20/0
A	57B	5		P4-404 SHLD A57					.18 .25	NO NO		34	
A	57L			P2-19/0 P4-504					.23 .18	NO NO		17, 16 12	
A	57R			P2-19/I P4-604					.22 .18	NO NO		20, 18, 13 12	
A	58	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	58A	6		SHLD A58 P2-20/0					.25 .23	NO NO		 17, 16	 USE WITH P2-20/I
A	58B	5		P4-104 SHLD A58					.18 .25	NO NO		34	
A	58L			P2-21/0 P4-204					.23 .18	NO NO		17, 16 12	
A	58R			P2-21/I P4-304					.22 .18	NO NO		20, 18, 13 12	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 21 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 59A	6		SHLD A59 P2-23/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-23/O
A 59B	5		P4-403 SHLD A59					.18 .25	NO NO		~~12~~ 34	
A 59L			P2-22/O P4-503					.23 .18	NO NO		17, 16 12	
A 59R			P2-22/I P4-603					.22 .18	NO NO		20, 18, 13 12	
A 60	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 60A	6		SHLD A60 P2-23/O					.25 .23	NO NO		17, 16	USE WITH P2-23/I
A 60B	5		P4-103 SHLD A60					.18 .25	NO NO		12	
A 60L			P2-24/O P4-203					.23 .18	NO NO		17, 16 ~~12~~ 34	
A 60R			P2-24/I P4-303					.22 .18	NO NO		20, 18, 13 12	
A 61	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 61A	6		SHLD A61 P2-26/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-26/O

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 22 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61B	5		P4-402 SHLD A61					.18 .25	NO NO		~~12~~ 34	
A 61L			P2-25/O P4-502					.23 .18	NO NO		17, 16 12	
A 61R			P2-25/I P4-602					.22 .18	NO NO		20, 18, 13 12	
A 62	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 62A	6		SHLD A62 P2-26/O					.25 .23	NO NO		17, 16	USE WITH P2-26/I
A 62B	5		P4-102 SHLD A62					.18 .25	NO NO		~~12~~ 34	
A 62L			P2-27/O P4-202					.23 .18	NO NO		17, 16 12	
A 62R			P2-27/I P4-302					.22 .18	NO NO		20, 18, 13 12	
A 63	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 63A	6		SHLD A63 P2-29/I					.25 .22	NO NO		20, 18, 13	
A 63B	5		P4-401 SHLD A63					.18 .25	NO NO		~~12~~ 34	USE WITH P2-29/O
A 63L			P2-28/O P4-501					.23 .18	NO NO		17, 16 12	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 23 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63R			P2-28/I P4-601					.22 .18	NO NO		20, 18, 13 12	
A 64	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 64A	6		SHLD A64 P2-29/O					.25 .23	NO NO		17, 16	USE WITH P2-29/I
A 64B	5		P4-101 SHLD A64					.18 .25	NO NO		~~12~~ 34	
A 64L			P2-30/O P4-201					.23 .18	NO NO		17, 16 12	
A 64R			P2-30/I P4-301					.22 .18	NO NO		20, 18, 13 12	
A 65	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 65L			P2-33/O P4-611					.23 .18	NO NO		17, 16 12	
A 65R			P2-33/I P4-411					.22 .18	NO NO		20, 18, 13 12	
A 65Y			P2-34 P4-511					.19 .18	NO NO		32 12	
A 66	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 66L			P2-35/O P4-112					.23 .18	NO NO		17, 16 12	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 24 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66R			P2-35/I P4-212					.22 .18	NO NO		20, 18, 13 12	
A 67	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 67L			P2-36/O P4-312					.23 .18	NO NO		17, 16 12	
A 67R			P2-36/I P4-412					.22 .18	NO NO		20, 18, 13 12	
A 68	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 68L			P2-37/O P4-612					.23 .18	NO NO		17, 16 12	
A 68R			P2-37/I P4-113					.22 .18	NO NO		20, 18, 13 12	
A 68Y			P2-38 P4-512					.19 .18	NO NO		32 12	
A 69	2				5.30 5.30	5.00 5.00				B,7 B,7	23 23	
A 69L			P2-39/O P4-213					.23 .18	NO NO		17, 16 12	
A 69R			P2-39/I P4-313					.22 .18	NO NO		20, 18, 13 12	
A 70	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE - NONE	REV LTR D	SHEET 25 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	70A	5		SHLD A70 P2-32					.25 .19	NO NO		 32	
A	70B	5		P4-111 SHLD A70					.18 .25	NO NO		34	
A	70L			P2-31/0 P4-211					.23 .18	NO NO		17, 16 12	
A	70R			P2-31/I P4-311					.22 .18	NO NO		20, 18, 13 12	
A	71	6		P2-40/I P4-522					.22 .18	NO NO		20, 18, 13 12	USE WITH P2-40/0
A	72	6		P2-40/0 P4-622					.23 .18	NO NO		17, 16 12	 USE WITH P2-40/I
A	73	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	73A	6		SHLD A73 P2-42/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-42/0
A	73B	5		P4-634 SHLD A73					.18 .25	NO NO		34	
A	73L			P2-41/0 P4-534					.23 .18	NO NO		17, 16 12	
A	73R			P2-41/I P4-434					.22 .18	NO NO		20, 18, 13 12	
A	74	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 26 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	74A	6		SHLD A74 P2-42/0					.25 .23	NO NO		 17, 16	
A	74B	5		P4-335 SHLD A74					.18 .25	NO NO		34	
A	74L			P2-43/0 P4-235					.23 .18	NO NO		17, 16 12	
A	74R			P2-43/I P4-135					.22 .18	NO NO		20, 18, 13 12	
A	75	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	75A	5		SHLD A75 P2-45					.25 .19	NO NO		 32	
A	75B	5		P4-635 SHLD A75					.18 .25	NO NO		34	
A	75L			P2-44/0 P4-535					.23 .18	NO NO		17, 16 12	
A	75R			P2-44/I P4-435					.22 .18	NO NO		20, 18, 13 12	
A	76	5		P2-53 P4-236					.19 .18	NO NO		32 34	
A	77	5		P2-54 P4-436					.19 .18	NO NO		32 ~~12~~ 34	
A	78	~~5~~		~~P2-55~~ ~~P4-438~~ DELETED					~~.19~~ ~~.18~~	~~NO~~ ~~NO~~		~~32~~ ~~12~~	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 27 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	79	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	79A	6		SHLD A79 P2-47/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-47/0
A	79B	5		P4-137 SHLD A79					.18 .25	NO NO		34	
A	79L			P2-46/0 P4-337					.23 .18	NO NO		17, 16 12	
A	79R			P2-46/I P4-237					.22 .18	NO NO		20, 18, 13 12	
A	80	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	80A	6		SHLD A80 P2-47/0					.25 .23	NO NO		 17, 16	 USE WITH P2-47/I
A	80B	5		P4-637 SHLD A80					.18 .25	NO NO		34	
A	80L			P2-48/0 P4-537					.23 .18	NO NO		17, 16 12	
A	80R			P2-48/I P4-437					.22 .18	NO NO		20, 18, 13 12	
A	81	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	81A	5		SHLD A81 P3-G33					.25 .18	NO NO		 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 28 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	81B	5		P4-341 SHLD A81					.18 .25	NO NO		34	
A	81L			P3-K33 P4-241					.18 .18	NO NO		12 12	
A	81R			P3-H33 P4-141					.18 .18	NO NO		12 12	
A	82	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	82A	5		SHLD A82 P3-G34					.25 .18	NO NO		 34	
A	82B	5		P4-641 SHLD A82					.18 .25	NO NO		34	
A	82L			P3-H34 P4-541					.18 .18	NO NO		34 34	
A	82R			P3-K34 P4-441					.18 .18	NO NO		34 34	
A	83	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	83A	5		SHLD A83 P3-F27					.25 .18	NO NO		 34	
A	83B	5		P4-343 SHLD A83					.18 .25	NO NO		34	
A	83L			P3-F29 P4-243					.18 .18	NO NO		34 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 29 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114084~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	83R			P3-F28 P4-143					.18 .18	NO NO		34 ~~12~~ 34	
A	84	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	84A	5		SHLD A84 P3-F33					.25 .18	NO NO		34	
A	84B	5		P4-643 SHLD A84					.18 .25	NO NO		~~12~~ 34	
A	84L			P3-F32 P4-543					.18 .18	NO NO		34 34	
A	84R			P3-F31 P4-443					.18 .18	NO NO		34 34	
A	85	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	85A	5		SHLD A85 P3-G25					.25 .18	NO NO		34	
A	85B	5		P4-345 SHLD A85					.18 .25	NO NO		34	
A	85L			P3-K25 P4-245					.18 .18	NO NO		34 34	
A	85R			P3-H25 P4-145					.18 .18	NO NO		~~12~~ 34 34	
A	86	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114084~~ 2900661
SCALE - NONE	REV LTR D	SHEET 30 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114084~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	86A	5		SHLD A86 P3-G26					.25 .18	NO NO		34	
A	86B	5		P4-645 SHLD A86					.18 .25	NO NO		~~12~~ 34	
A	86L			P3-H26 P4-545					.18 .18	NO NO		~~12~~ 34 34	
A	86R			P3-K26 P4-445					.18 .18	NO NO		~~12~~ 34 34	
A	87	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	87A	5		SHLD A87 P3-G31					.25 .18	NO NO		~~12~~ 34	
A	87B	5		P4-340 SHLD A87					.18 .25	NO NO		34	
A	87L			P3-K31 P4-240					.18 .18	NO NO		34 34	
A	87R			P3-H31 P4-140					.18 .18	NO NO		34 34	
A	88	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	88A	5		SHLD A88 P3-G32					.25 .18	NO NO		34	
A	88B	5		P4-640 SHLD A88					.18 .25	NO NO		34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114084~~ 2900661
SCALE - NONE	REV LTR D	SHEET 31 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114084~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	88L			P3-H32 P4-540					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	88R			P3-K32 P4-440					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	89	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	89A	5		SHLD A89 P3-G29					.25 .18	NO NO		~~12~~ 34	
A	89B	5		P4-342 SHLD A89					.18 .25	NO NO		~~12~~ 34	
A	89L			P3-K29 P4-242					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	89R			P3-H29 P4-142					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	90	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	90A	5		SHLD A90 P3-G30					.25 .18	NO NO		~~12~~ 34	
A	90B	5		P4-642 SHLD A90					.18 .25	NO NO		~~12~~ 34	
A	90L			P3-H30 P4-542					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	90R			P3-K30 P4-442					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114084~~ 2900661
SCALE - NONE	REV LTR D	SHEET 32 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114084~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	91	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	91A	5		SHLD A91 P3-G27					.25 .18	NO NO		~~12~~ 34	
A	91B	5		P4-344 SHLD A91					.18 .25	NO NO		~~12~~ 34	
A	91L			P3-K27 P4-244					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	91R			P3-H27 P4-144					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	92	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	92A	5		SHLD A92 P3-G28					.25 .22	NO NO		~~12~~ 34	
A	92B	5		P4-644 SHLD A92					.18 .25	NO NO		~~12~~ 34	
A	92L			P3-H28 P4-544					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	92R			P3-K28 P4-444					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A	93	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A	93A	5		SHLD A93 P3-F3					.25 .18	NO NO		~~12~~ 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114084~~ 2900661
SCALE - NONE	REV LTR D	SHEET 33 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	5		P4-346 SHLD A93					.16 .25	NO NO		~~12~~ 34	
A 93L			P3-F2 P4-246					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 93R			P3-F1 P4-146					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 94	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 94A	5		SHLD A94 P3-K3					.25 .18	NO NO		 ~~12~~ 34	
A 94B	5		P4-646 SHLD A94					.18 .25	NO NO		~~12~~ 34	
A 94L			P3-K4 P4-546					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 94R			P3-H4 P4-446					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 95	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 95A	5		SHLD A95 P3-G3					.25 .18	NO NO		 ~~12~~ 34	
A 95B	5		P4-348 SHLD A95					.18 .25	NO NO		~~12~~ 34	
A 95L			P3-G1 P4-248					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 34 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95R			P3-G2 P4-148					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 96	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 96A	5		SHLD A96 P3-H3					.25 .18	NO NO		 ~~12~~ 34	
A 96B	5		P4-648 SHLD A96					.18 .25	NO NO		~~12~~ 34	
A 96L			P3-H2 P4-548					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 96R			P3-H1 P4-448					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 97	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 97A	5		SHLD A97 P3-G6					.25 .18	NO NO		 ~~12~~ 34	
A 97B	5		P4-633 SHLD A97					.18 .25	NO NO		~~12~~ 34	
A 97L			P3-K6 P4-533					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 97R			P3-H6 P4-433					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 98	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 35 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98A	5		SHLD A98 P3-G5					.25 .18	NO NO		 ~~12~~ 34	
A 98B	5		P4-334 SHLD A98					.18 .25	NO NO		~~12~~ 34	
A 98L			P3-H5 P4-234					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 98R			P3-K5 P4-134					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 99	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 99A	5		SHLD A99 P3-C26					.25 .18	NO NO		 ~~12~~ 34	
A 99L	5		P3-A26 P4-238					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 99R			P3-B26 P4-338					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 100	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 100A	5		SHLD A100 P3-C25					.25 .18	NO NO		 ~~12~~ 34	
A 100B	5		P4-329 SHLD A100					.18 .25	NO NO		~~12~~ 34	
A 100L			P3-B25 P4-229					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 36 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100R			P3-A25 P4-129					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 101	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 101A	5		SHLD A101 P3-C39					.25 .18	NO NO		 ~~12~~ 34	
A 101B	5		P4-629 SHLD A101					.18 .25	NO NO		~~12~~ 34	
A 101L			P3-A39 P4-529					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 101R			P3-B39 P4-429					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 102	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 102A	5		SHLD A102 P3-D40					.25 .18	NO NO		 ~~12~~ 34	
A 102B	5		P4-330 SHLD A102					.18 .25	NO NO		~~12~~ 34	
A 102L			P3-C41 P4-230					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 102R			P3-D41 P4-130					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 103	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 37 OF 43

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103A	5		SHLD A103 P3-~~D24~~ C24					.25 .18	NO NO		 ~~12~~ 34	
A 103B	5		P4-630 SHLD A103					.18 .25	NO NO		~~12~~ 34	
A 103L			P3-~~B24~~ D24 P4-530					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 103R			P3-~~C24~~ B24 P4-430					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 104	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 104A	5		SHLD A104 P3-C38					.25 .18	NO NO		 ~~12~~ 34	
A 104B	5		P4-331 SHLD A104					.18 .25	NO NO		~~12~~ 34	
A 104L			P3-B38 P4-231					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 104R			P3-A38 P4-131					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 105	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 105A	5		SHLD A105 P3-C40					.25 .18	NO NO		 ~~12~~ 34	
A 105B	5		P4-631 SHLD A105					.18 .25	NO NO		~~12~~ 34	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661	
SCALE-NONE	REV LTR D		SHEET 38 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105L			P3-B40 P4-531					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 105R			P3-B41 P4-431					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 106	1				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 106L			P3-H8 P4-328					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 106R			P3-K8 P4-228					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 107	1				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 107L			P3-K10 P4-528					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 107R			P3-K9 P4-428					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 108	5		P3-D25 P4-136					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 109	5		P3-F25 P4-336					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 110	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 110A	5		SHLD A110 P3-C4					.25 .18	NO NO		 ~~12~~ 34	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661	
SCALE-NONE	REV LTR D		SHEET 39 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110B	5		P4-332 SHLD A110					.18 .25	NO NO		~~12~~ 34	
A 110L			P3-B4 P4-232					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 110R			P3-A4 P4-132					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 111	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 111A	5		SHLD A111 P3-C5					.25 .18	NO NO		 ~~12~~ 34	
A 111B	5		P4-632 SHLD A111					.18 .25	NO NO		~~12~~ 34	
A 111L			P3-A5 P4-532					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 111R			P3-B5 P4-432					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 112	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 112A	5		SHLD A112 P3-C6					.25 .18	NO NO		 ~~12~~ 34	
A 112B	5		P4-333 SHLD A112					.18 .25	NO NO		~~12~~ 34	
A 112L			P3-B6 P4-233					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661	
SCALE-NONE	REV LTR D		SHEET 40 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 112R			P3-A6 P4-133					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 113	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 113L			P3-D5 P4-221					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 113R			P3-D6 P4-620					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 113Y			P3-D4 P4-421					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 114	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 114L			P3-F4 P4-222					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 114R			P3-F5 P4-621					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 114Y			P3-F6 P4-119					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 115	5		P3-A3 P4-422					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	
A 116	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 116L			P3-F7 P4-321					.18 .18	NO NO		~~12~~ 34 ~~12~~ 34	

CODE IDENT NO. 99974	SIZE A	~~MX 114884~~ 2900661	
SCALE-NONE	REV LTR D		SHEET 41 OF 43

MIL 2074 3-63 WIR

CABLE ASSEMBLY ~~MX 114884~~ D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 116R			P3-G7					.18	NO		~~12~~ 34	
			P4-121					.18	NO		~~12~~ 34	
A 116Y			P3-F8					.18	NO		~~12~~ 34	
			P4-521					.18	NO		~~12~~ 34	
A 117	7				5.80	5.50				A,6B	21, 24	
					5.80	5.50				B,7	24	
A 117A	5		SHLD A117					.25	NO			
			P3-D27					.18	NO		12	
A 117W			P3-D26					.18	NO		12	
			P4-138					.18	NO		12	

CODE IDENT NO.	SIZE	
99974	A	~~MX 114884~~ 2900661
SCALE-NONE	REV LTR D	SHEET 42 OF 43

MIL 2074 3-63 W/R

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REVISED PER MXC206224	19 OCT 65	R.W.T.
		B	REVISED PER MXC 206334	28 OCT 65	JWP
		C	REVISED PER MXC 207332	9 DEC 65	JWP
	Ⓜ	D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
		E	REVISED PER TDRR 25705	8 FEB 66	J.H.P

S. Erickson
15 OCT 65

	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E			
	SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			
REV STATUS	REV				E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Nolski DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E. Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED- W154

NASA APPROVAL a. Metzger w/RSS
MIT APPROVAL W [illegible] 20 Dec 65

CODE IDENT NO.	SIZE		REV
99974	A	2900661	E

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 43

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SECURE TO CABLE USING ITEM 28. MARKING TO READ AWAY FROM CONNECTOR
9	SERIALIZE PER ND1002023
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE I, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 29 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
14	APPLY ITEM 22 TO LEAD END.

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER.
16	SEPARATE ZIPPER TUBING TO TEAR STOP
17	SPOT TIE ITEM 31 TO ITEM 8 AT 4 INCH INTERVALS USING ITEM 28.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK.
19	CONDUCTOR A44 MUST BE ROUTED THROUGH BACK SHELL OF P3 CONNECTOR.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900661-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	2	1	2900661-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 232 FT. TOTAL LENGTH
	3	1	2900661-003	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 12 FT. TOTAL LENGTH
	4	1	2900661-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 39 FT. TOTAL LENGTH
	5	1	2900661-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 75 FT. TOTAL LENGTH
	6	1	2900661-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. 138 FT. TOTAL LENGTH
	7	1	2900661-007	WIRE, ND1002181, TYPE 1 CLASS 4, WHT. JKT., 22AWG, WHT., 4 FT. TOTAL LENGTH
18	8	1	2900661-008	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.12 DIA EACH CHANNEL, 5 FT. TOTAL LENGTH
7	9	1	1897215-013	CONNECTOR PLUG, ELECT.
	10	1	2900714-011	CONNECTOR PLUG, ELECT., 300 PIN
	11	1	2900654-011	CONNECTOR PLUG, ELECT.,
7	12	130	1897300-003	CONTACT, ELECT. SPRING SOCKET
7	13	44	1016369-188	CONTACT, INNER MALE

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	37	1016369-288	CONTACT, OUTER MALE
7	15	37	1016369-388	CONTACT, INNER FEMALE
7	16	44	1016369-488	CONTACT, OUTER FEMALE
7	17	81	1016369-588	HYRING
7	18	44	1016369-711	INNER SLEEVE
7	19	37	1016369-712	INNER SLEEVE
7	20	81	1016369-713	OUTER SLEEVE
7	21	124	1010763- 2	SOLDER SLEEVE
7	22	AR	1016198- 1	GLYPTAL
7	23	174	1010490-228	INSULATION SLEEVING
7	24	2	1010490-232	INSULATION SLEEVING
7	25	360	1015864-232	INSULATION SLEEVING
7	26	1	1016128-011	BAND, IDENTIFICATION
7	27	4	1016128-041	BAND, IDENTIFICATION
	28	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	29	AR	1901390	FILLER TAPE
7	30	1	1897215-003	CONNECTOR PLUG, ELEC.

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
18	31	1	2900661-009	ZIPPER TUBING PER ND1002155, TYPE I GRAY 1.25 DIA. 6 FT. TOTAL LENGTH
7	32	11	1016369-421	CONTACT, FEMALE
7	33	1	1016369-420	CONTACT, MALE
7	34	240	1897300-002	CONTACT, ELECT. SPRING SOCKET
	35	2	1897330-001	CABLE CLAMP
	36	2	1897331-001	ADAPTER, CABLE CLAMP
	37	2	1016262- 24	RUBBER GROMMET

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	6		P1-45/0 P3-A9					.23 .18	NO NO		17, 14 12	USE WITH P1-45/I
A 2	6		P1-45/I P3-B9					.22 .18	NO NO		15, 19, 20 12	
A 3	6		P1-46/0 P3-C10					.23 .18	NO NO		17, 14 12	USE WITH P1-46/I
A 4	6		P1-46/I P3-C9					.22 .18	NO NO		15, 19, 20 12	
A 5	6		P1-48/0 P3-C8					.23 .18	NO NO		17, 14 12	USE WITH P1-48/I
A 6	6		P1-48/I P3-D8					.22 .18	NO NO		15, 19, 20 12	
A 7	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A 7A	6		SHLD A7 P1-49/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-49/0
A 7L			P1-50/0 P3-H10					.23 .18	NO NO		17, 14 12	
A 7R			P1-50/I P3-H9					.22 .18	NO NO		15, 19, 20 12	
A 8	6	8.00	P1-49/0 FREE END					.23	NO		17, 14	SEE NOTE 14
A 9	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 9A	6		SHLD A9 P1-2/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-2/0
A 9L			P1-1/0 P3-B31					.23 .18	NO NO		17, 14 12	
A 9R			P1-1/I P3-A31					.22 .18	NO NO		15, 19, 20 12	
A 10	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A 10A	6		SHLD A10 P1-2/0					.25 .23	NO NO		17, 14	USE WITH P1-2/I
A 10L			P1-3/0 P3-B32					.23 .18	NO NO		17, 14 12	
A 10R			P1-3/I P3-A32					.22 .18	NO NO		15, 19, 20 12	
A 11	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A 11A	6		SHLD A11 P1-5/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-5/0
A 11L			P1-4/0 P3-B33					.23 .18	NO NO		17, 14 12	
A 11R			P1-4/I P3-A33					.22 .18	NO NO		15, 19, 20 12	
A 12	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 12A	6		SHLD A12 P1-5/0					.25 .23	NO NO		17, 14	USE WITH P1-5/I
A 12L			P1-6/0 P3-B34					.23 .18	NO NO		17, 14 12	
A 12R			P1-6/I P3-A34					.22 .18	NO NO		15, 19, 20 12	
A 13	2				3.30 3.30	3.00 3.00				A,6B B,7	21, 23 23	
A 13A	6		SHLD A13 P1-8/I					.25 .22	NO NO		15, 19, 20	USE WITH P1-8/0
A 13L			P1-7/0 P3-B35					.23 .18	NO NO		17, 14 12	
A 13R			P1-7/I P3-A35					.22 .18	NO NO		15, 19, 20 12	
A 14	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 14A	6		SHLD A14 P1-8/0					.25 .23	NO NO		17, 14	USE WITH P1-8/I
A 14L			P1-9/0 P3-B36					.23 .18	NO NO		17, 14 12	
A 14R			P1-9/I P3-A36					.22 .18	NO NO		15, 19, 20 12	
A 15	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	6		P1-35/I P3-B11					.22 .18	NO NO		15, 19, 20 12	
A 31	6		P1-36/0 P3-B13					.23 .18	NO NO		17, 14 12	
A 32	6		P1-36/I P3-A13					.22 .18	NO NO		15, 19, 20 12	
A 33	6		P1-37 P3-A14					.19 .18	NO NO		32 12	
A 34	6		P1-39 P3-B16					.19 .18	NO NO		32 12	
A 35	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 35L			P1-42/I P3-D12					.22 .18	NO NO		15, 19, 20 12	
A 35R			P1-41 P3-D13					.19 .18	NO NO		32 12	
A 35Y			P1-42/0 P3-D11					.23 .18	NO NO		17, 14 12	
A 36			DELETED									
A 37	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 37L			P1-27/0 P3-C15					.23 .18	NO NO		17, 14 12	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 14 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37R			P1-27/I P3-B15					.22 .18	NO NO		15, 19, 20 12	
A 37Y			FREE END P3-A15					.18	NO		12	SEE NOTE 14
A 38	5		P1-29 P3-C16					.19 .18	NO NO		32 34	
A 39	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 39L			P1-38/0 P3-C17					.23 .18	NO NO		17, 14 12	
A 39R			P1-38/I P3-B18					.22 .18	NO NO		15, 19, 20 12	
A 39Y			FREE END P3-B17					.18	NO		12	SEE NOTE 14
A 40			DELETED									
A 41			DELETED									
A 42			DELETED									
A 43			DELETED									
A 44	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	SEE NOTE 19

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 15 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44L			P1-40/0 P4-636					.23 .18	NO NO		17, 14 12	
A 44R			P1-40/I P4-536					.22 .18	NO NO		15, 19, 20 12	
A 45	2				3.30 3.30	3.00 3.00				A,68 A,68	21, 23 21, 23	
A 45A	6		SHLD A45 P2-2/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-2/0
A 45B	5		P4-410 SHLD A45					.18 .25	NO NO		34	
A 45L			P2-1/0 P4-510					.23 .18	NO NO		17, 16 12	
A 45R			P2-1/I P4-610					.22 .18	NO NO		20, 18, 13 12	
A 46	2				3.30 3.30	3.00 3.00				A,68 A,68	21, 23 21, 23	
A 46A	6		SHLD A46 P2-2/0					.25 .22	NO NO		17, 16	USE WITH P2-2/I
A 46B	5		P4-110 SHLD A46					.18 .25	NO NO		34	
A 46L			P2-3/0 P4-210					.23 .18	NO NO		17, 16 12	
A 46R			P2-3/I P4-310					.22 .18	NO NO		20, 18, 13 12	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 16 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	2				3.30 3.30	3.00 3.00				A,68 A,68	21, 23 21, 23	
A 47A	6		SHLD A47 P2-5/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-5/0
A 47B	5		P4-409 SHLD A47					.18 .25	NO NO		34	
A 47L			P2-4/0 P4-509					.23 .18	NO NO		17, 16 12	
A 47R			P2-4/I P4-609					.22 .18	NO NO		20, 18, 13 12	
A 48	2				3.30 3.30	3.00 3.00				A,68 A,68	21, 23 21, 23	
A 48A	6		SHLD A48 P2-5/0					.25 .22	NO NO		17, 16	USE WITH P2-5/I
A 48B	5		P4-109 SHLD A48					.18 .25	NO NO		34	
A 48L			P2-6/0 P4-209					.23 .18	NO NO		17, 16 12	
A 48R			P2-6/I P4-309					.22 .18	NO NO		20, 18, 13 12	
A 49	2				3.30 3.30	3.00 3.00				A,68 A,68	21, 23 21, 23	
A 49A	6		SHLD A49 P2-8/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-8/0

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR F
SHEET 17 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49B	5		P4-408 SHLD A49					.18 .25	NO NO		12	
A 49L			P2-7/O P4-508					.23 .18	NO NO		17, 16 12	
A 49R			P2-7/I P4-608					.22 .18	NO NO		20, 18, 13 12	
A 50	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 50A	6		SHLD A50 P2-8/O					.25 .23	NO NO		17, 16	USE WITH P2-8/I
A 50B	5		P4-108 SHLD A50					.18 .25	NO NO		34	
A 50L			P2-9/O P4-208					.23 .18	NO NO		17, 16 12	
A 50R			P2-9/I P4-308					.22 .18	NO NO		20, 18, 13 12	
A 51	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 51A	6		SHLD A51 P2-11/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-11/O
A 51B	5		P4-407 SHLD A51					.18 .25	NO NO		34	
A 51L			P2-10/O P4-507					.23 .18	NO NO		17, 16 12	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR E		SHEET 18 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51R			P2-10/I P4-607					.22 .18	NO NO		20, 18, 13 12	
A 52	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 52A	6		SHLD A52 P2-11/O					.25 .23	NO NO		17, 16	USE WITH P2-11/I
A 52B	5		P4-107 SHLD A52					.18 .25	NO NO		34	
A 52L			P2-12/O P4-207					.23 .18	NO NO		17, 16 12	
A 52R			P2-12/I P4-307					.22 .18	NO NO		20, 18, 13 12	
A 53	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 53A	6		SHLD A53 P2-14/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-14/O
A 53B	5		P4-406 SHLD A53					.18 .25	NO NO		34	
A 53L			P2-13/O P4-506					.23 .18	NO NO		17, 16 12	
A 53R			P2-13/I P4-606					.22 .18	NO NO		20, 18, 13 12	
A 54	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR E		SHEET 19 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 54A	6		SHLD A54 P2-14/O					.25 .23	NO NO		17, 16	USE WITH P2-14/I
A 54B	5		P4-106 SHLD A54					.18 .25	NO NO		34	
A 54L			P2-15/O P4-206					.23 .18	NO NO		17, 16 12	
A 54R			P2-15/I P4-306					.22 .18	NO NO		20, 18, 13 12	
A 55	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 55A	6		SHLD A55 P2-17/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-17/O
A 55B	5		P4-405 SHLD A55					.18 .25	NO NO		34	
A 55L			P2-16/O P4-505					.23 .18	NO NO		17, 16 12	
A 55R			P2-16/I P4-605					.22 .16	NO NO		20, 18, 13 12	
A 56	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A 56A	6		SHLD A56 P2-17/O					.25 .23	NO NO		17, 16	USE WITH P2-17/I
A 56B	5		P4-105 SHLD A56					.18 .25	NO NO		34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 20 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56L			P2-18/O P4-205					.23 .18	NO NO		17, 16 12	
A 56R			P2-18/I P4-305					.22 .18	NO NO		20, 18, 13 12	
A 57	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 57A	6		SHLD A57 P2-20/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-20/O
A 57B	5		P4-404 SHLD A57					.18 .25	NO NO		34	
A 57L			P2-19/O P4-504					.23 .18	NO NO		17, 16 12	
A 57R			P2-19/I P4-604					.22 .18	NO NO		20, 18, 13 12	
A 58	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 58A	6		SHLD A58 P2-20/O					.25 .23	NO NO		17, 16	USE WITH P2-20/I
A 58B	5		P4-104 SHLD A58					.18 .25	NO NO		34	
A 58L			P2-21/O P4-204					.23 .18	NO NO		17, 16 12	
A 58R			P2-21/I P4-304					.22 .18	NO NO		20, 18, 13 12	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 21 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG.	ACCESSORY ITEMS	REMARKS
A 83R			P3-F28 P4-143					.18 .18	NO NO		34 34	
A 84	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 84A	5		SHLD A84 P3-F33					.25 .18	NO NO		 34	
A 84B	5		P4-643 SHLD A84					.18 .25	NO NO		34	
A 84L			P3-F32 P4-543					.18 .18	NO NO		34 34	
A 84R			P3-F31 P4-443					.18 .18	NO NO		34 34	
A 85	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 85A	5		SHLD A85 P3-G25					.25 .18	NO NO		 34	
A 85B	5		P4-345 SHLD A85					.18 .25	NO NO		34	
A 85L			P3-K25 P4-245					.18 .18	NO NO		34 34	
A 85R			P3-H25 P4-145					.18 .18	NO NO		34 34	
A 86	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 30 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 86A	5		SHLD A86 P3-G26					.25 .18	NO NO		 34	
A 86B	5		P4-645 SHLD A86					.18 .25	NO NO		34	
A 86L			P3-H26 P4-545					.18 .18	NO NO		34 34	
A 86R			P3-K26 P4-445					.18 .18	NO NO		34 34	
A 87	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 87A	5		SHLD A87 P3-G31					.25 .18	NO NO		 34	
A 87B	5		P4-340 SHLD A87					.18 .25	NO NO		34	
A 87L			P3-K31 P4-240					.18 .18	NO NO		34 34	
A 87R			P3-H31 P4-140					.18 .18	NO NO		34 34	
A 88	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 88A	5		SHLD A88 P3-G32					.25 .18	NO NO		 34	
A 88B	5		P4-640 SHLD A88					.18 .25	NO NO		34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 31 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88L			P3-H32 P4-540					.18 .18	NO NO		34 34	
A 88R			P3-K32 P4-440					.18 .18	NO NO		34 34	
A 89	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 89A	5		SHLD A89 P3-G29					.25 .18	NO NO		 34	
A 89B	5		P4-342 SHLD A89					.18 .25	NO NO		34	
A 89L			P3-K29 P4-242					.18 .18	NO NO		34 34	
A 89R			P3-H29 P4-142					.18 .18	NO NO		34 34	
A 90	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 90A	5		SHLD A90 P3-G30					.25 .18	NO NO		 34	
A 90B	5		P4-642 SHLD A90					.18 .25	NO NO		34	
A 90L			P3-H30 P4-542					.18 .18	NO NO		34 34	
A 90R			P3-K30 P4-442					.18 .18	NO NO		34 34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 32 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 91A	5		SHLD A91 P3-G27					.25 .18	NO NO		 34	
A 91B	5		P4-344 SHLD A91					.18 .25	NO NO		34	
A 91L			P3-K27 P4-244					.18 .18	NO NO		34 34	
A 91R			P3-H27 P4-144					.18 .18	NO NO		34 34	
A 92	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 92A	5		SHLD A92 P3-G28					.25 .22	NO NO		 34	
A 92B	5		P4-644 SHLD A92					.18 .25	NO NO		34	
A 92L			P3-H28 P4-544					.18 .18	NO NO		34 34	
A 92R			P3-K28 P4-444					.18 .18	NO NO		34 34	
A 93	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 93A	5		SHLD A93 P3-F3					.25 .18	NO NO		 34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 33 OF 43

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	5		P4-346 SHLD A93					.18 .25	NO NO		34	
A 93L			P3-F2 P4-246					.18 .18	NO NO		34 34	
A 93R			P3-F1 P4-146					.18 .18	NO NO		34 34	
A 94	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 94A	5		SHLD A94 P3-K3					.25 .18	NO NO		 34	
A 94B	5		P4-646 SHLD A94					.18 .25	NO NO		34	
A 94L			P3-K4 P4-546					.18 .18	NO NO		34 34	
A 94R			P3-H4 P4-446					.18 .18	NO NO		34 34	
A 95	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 95A	5		SHLD A95 P3-G3					.25 .18	NO NO		 34	
A 95B	5		P4-348 SHLD A95					.18 .25	NO NO		34	
A 95L			P3-G1 P4-248					.18 .18	NO NO		34 34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 34 OF 43

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CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95R			P3-G2 P4-148					.18 .18	NO NO		34 34	
A 96	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 96A	5		SHLD A96 P3-H3					.25 .18	NO NO		 34	
A 96B	5		P4-648 SHLD A96					.18 .25	NO NO		34	
A 96L			P3-H2 P4-548					.18 .18	NO NO		34 34	
A 96R			P3-H1 P4-448					.18 .18	NO NO		34 34	
A 97	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 97A	5		SHLD A97 P3-G6					.25 .18	NO NO		 34	
A 97B	5		P4-633 SHLD A97					.18 .25	NO NO		34	
A 97L			P3-K6 P4-533					.18 .18	NO NO		34 34	
A 97R			P3-H6 P4-433					.18 .18	NO NO		34 34	
A 98	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 35 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98A	5		SHLD A98 P3-G5					.25 .18	NO NO		 34	
A 98B	5		P4-334 SHLD A98					.18 .25	NO NO		34	
A 98L			P3-H5 P4-234					.18 .18	NO NO		34 34	
A 98R			P3-K5 P4-134					.18 .18	NO NO		34 34	
A 99	1				5.30 5.30	5.00 5.00				A,68 B,7	21, 23 23	
A 99A	5		SHLD A99 P3-C26					.25 .18	NO NO		 34	
A 99L	5		P3-A26 P4-238					.18 .18	NO NO		34 34	
A 99R			P3-B26 P4-338					.18 .18	NO NO		34 34	
A 100	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 100A	5		SHLD A100 P3-C25					.25 .18	NO NO		 34	
A 100B	5		P4-329 SHLD A100					.18 .25	NO NO		34	
A 100L			P3-B25 P4-229					.18 .18	NO NO		34 34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 36 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100R			P3-A25 P4-129					.18 .18	NO NO		34 34	
A 101	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 101A	5		SHLD A101 P3-C39					.25 .18	NO NO		 34	
A 101B	5		P4-629 SHLD A101					.18 .25	NO NO		34	
A 101L			P3-A39 P4-529					.18 .18	NO NO		34 34	
A 101R			P3-B39 P4-429					.18 .18	NO NO		34 34	
A 102	1				5.80 5.80	5.50 5.50				A,68 A,68	21, 23 21, 23	
A 102A	5		SHLD A102 P3-D40					.25 .18	NO NO		 34	
A 102B	5		P4-330 SHLD A102					.18 .25	NO NO		34	
A 102L			P3-C41 P4-230					.18 .18	NO NO		34 34	
A 102R			P3-D41 P4-130					.18 .18	NO NO		34 34	
A 103	1				5.80 5.80	5.50 5.50				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 37 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103A	5		SHLD A103					.25	NO			
			P3-C24					.18	NO		34	
A 103B	5		P4-630					.18	NO		34	
			SHLD A103					.25	NO			
A 103L			P3-D24					.18	NO		34	
			P4-530					.18	NO		34	
A 103R			P3-B24					.18	NO		34	
			P4-430					.18	NO		34	
A 104	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 104A	5		SHLD A104					.25	NO			
			P3-C38					.18	NO		34	
A 104B	5		P4-331					.18	NO		34	
			SHLD A104					.25	NO			
A 104L			P3-B38					.18	NO		34	
			P4-231					.18	NO		34	
A 104R			P3-A38					.18	NO		34	
			P4-131					.18	NO		34	
A 105	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 105A	5		SHLD A105					.25	NO			
			P3-C40					.18	NO		34	
A 105B	5		P4-631					.18	NO		34	
			SHLD A105					.25	NO			

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR E		SHEET 38 OF 43

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CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105L			P3-B40					.18	NO		34	
			P4-531					.18	NO		34	
A 105R			P3-B41					.18	NO		34	
			P4-431					.18	NO		34	
A 106	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 106L			P3-H8					.18	NO		34	
			P4-328					.18	NO		34	
A 106R			P3-K8					.18	NO		34	
			P4-228					.18	NO		34	
A 107	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 107L			P3-K10					.18	NO		34	
			P4-528					.18	NO		34	
A 107R			P3-K9					.18	NO		34	
			P4-428					.18	NO		34	
A 108	5		P3-D25					.18	NO		34	
			P4-136					.18	NO		34	
A 109	5		P3-F25					.18	NO		34	
			P4-336					.18	NO		34	
A 110	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 110A	5		SHLD A110					.25	NO			
			P3-C4					.18	NO		34	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR E		SHEET 39 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110B	5		P4-332					.18	NO		34	
			SHLD A110					.25	NO			
A 110L			P3-B4					.18	NO		34	
			P4-232					.18	NO		34	
A 110R			P3-A4					.18	NO		34	
			P4-132					.18	NO		34	
A 111	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 111A	5		SHLD A111					.25	NO			
			P3-C5					.18	NO		34	
A 111B	5		P4-632					.18	NO		34	
			SHLD A111					.25	NO			
A 111L			P3-A5					.18	NO		34	
			P4-532					.18	NO		34	
A 111R			P3-B5					.18	NO		34	
			P4-432					.18	NO		34	
A 112	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 112A	5		SHLD A112					.25	NO			
			P3-C6					.18	NO		34	
A 112B	5		P4-333					.18	NO		34	
			SHLD A112					.25	NO			
A 112L			P3-B6					.18	NO		34	
			P4-233					.18	NO		34	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR E		SHEET 40 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 112R			P3-A6					.18	NO		34	
			P4-133					.18	NO		34	
A 113	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 113L			P3-D5					.18	NO		34	
			P4-221					.18	NO		34	
A 113R			P3-D6					.18	NO		34	
			P4-620					.18	NO		34	
A 113Y			P3-D4					.18	NO		34	
			P4-421					.18	NO		34	
A 114	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 114L			P3-F4					.18	NO		34	
			P4-222					.18	NO		34	
A 114R			P3-F5					.18	NO		34	
			P4-621					.18	NO		34	
A 114Y			P3-F6					.18	NO		34	
			P4-119					.18	NO		34	
A 115	5		P3-A3					.18	NO		34	
			P4-422					.18	NO		34	
A 116	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 116L			P3-F7					.18	NO		34	
			P4-321					.18	NO		34	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR E		SHEET 41 OF 43

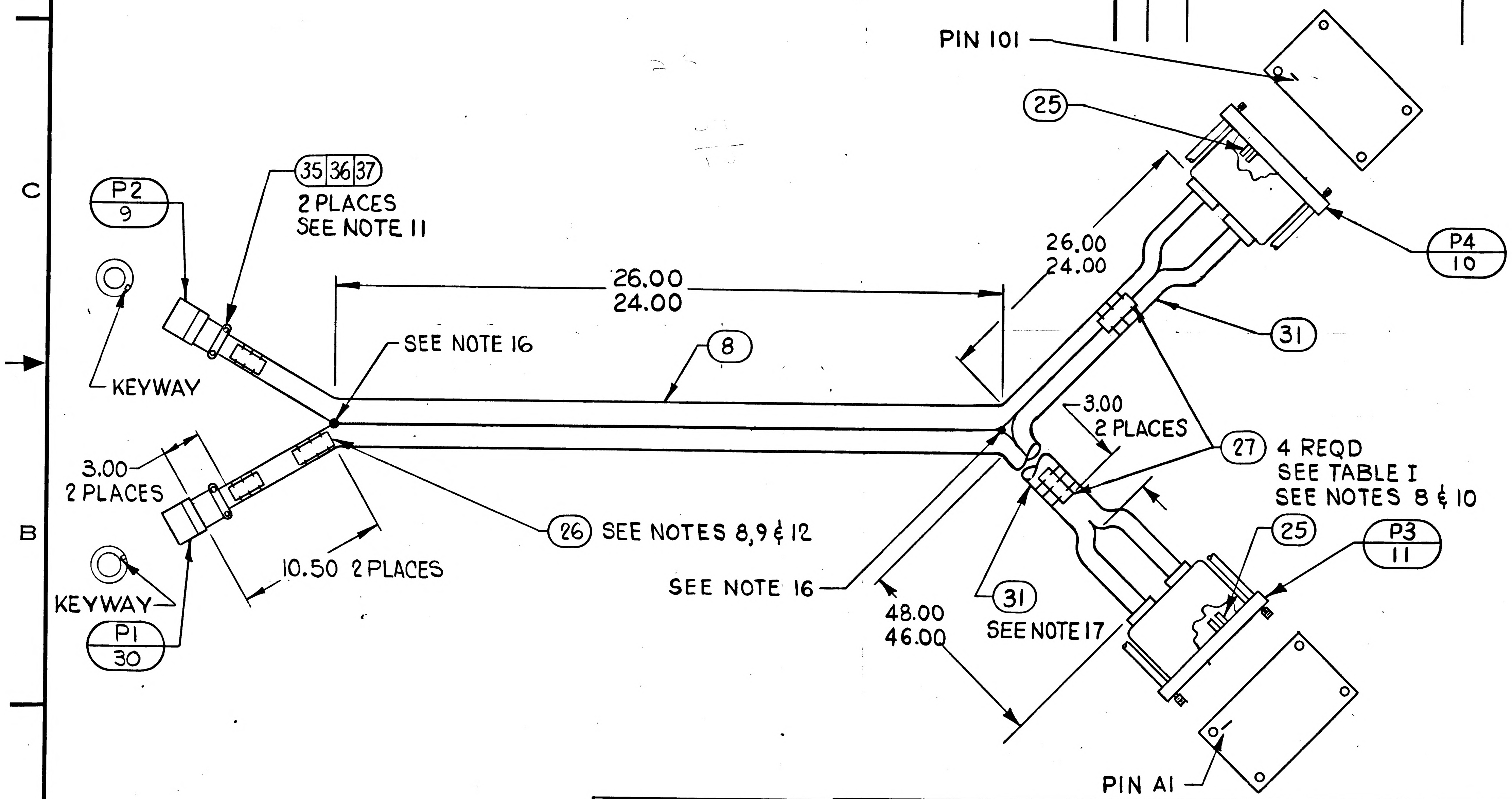
MIL 2084 9-65

TABLE I

PLUG NO.	MARKING
P1	W154-P1 (J19-GDB)
P2	W154-P2 (J20-GDB)
P3	W154-P3 (J4-PSA)
P4	W154-P4 (-ECDU)

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.



PIN 101
25
35 36 37
2 PLACES
SEE NOTE 11
P2
9
KEYWAY
26.00
24.00
SEE NOTE 16
8
26.00
24.00
P4
10
31
3.00
2 PLACES
27 4 REQD
SEE TABLE I
SEE NOTES 8 & 10
3.00
2 PLACES
26 SEE NOTES 8,9 & 12
10.50 2 PLACES
KEYWAY
P1
30
SEE NOTE 16
48.00
46.00
31
SEE NOTE 17
25
P3
11
PIN A1

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.50 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J Nolski DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJJ (Batch Approval)
MIT APPROVAL W Kupfer 21 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL,
BRANCHED - W154

CODE IDENT NO. 99974
SIZE C
2900661
SCALE NONE
SHEET 43 of 43

MIL 1077C—P

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS				
SYM	DESCRIPTION	DATE	APPROVAL	
A	REVISED PER MXC 206224	19 OCT 65	R.W.T.	
B	REVISED PER MXC 206334	28 OCT 65	JWP	
C	REVISED PER MXC 207332	9 DEC 65	JWP	
Ⓜ D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP	
N E	REVISED PER TDRR 25705	8 FEB 66	J.H.P.	
F	REVISED PER TDRR 27009	16 MAR 66	R.W.T.	JAC

S. Erickson
15 OCT 65

REV	E	E	E	E	E	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	F	F			
SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			

REV STATUS	REV				F	E	E	F	F	E	E	E	E	E	E	E	E	E	E	E	E	F	E	E
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Woloki DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E. Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED-W154

NASA APPROVAL A. Metzger
MIT APPROVAL W. 20 Dec 65

CODE IDENT NO. 99974
SIZE A
2900661
REV F

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 43

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002271
B - ND1002232

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 APPLY LEAD IDENTIFICATIONS PER ND 1002019.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 SECURE TO CABLE USING ITEM 28. MARKING TO READ AWAY FROM CONNECTOR

9 SERIALIZE PER ND1002023

10 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE 1, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

12 IDENTIFY PER MIL-STD-130 (ES2571) USING PART NUMBER.

13 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 29 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

14 APPLY ITEM 22 TO LEAD END.

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR F	SHEET 2 OF 43

NOTE GENERAL NOTES

NUMBER DESCRIPTION

15 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
Y - WHITE WITH YELLOW TRACER.

16 SEPARATE ZIPPER TUBING TO TEAR STOP

17 SPOT TIE ITEM 31 TO ITEM 8 AT 4 INCH INTERVALS USING ITEM 28.

18 ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

19 CONDUCTOR A44 MUST BE ROUTED THROUGH BACK SHELL OF P3 CONNECTOR.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR F	SHEET 3 OF 43

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900661-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	2	1	2900661-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 232 FT. TOTAL LENGTH
	3	1	2900661-003	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 12 FT. TOTAL LENGTH
	4	1	2900661-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 39 FT. TOTAL LENGTH
	5	1	2900661-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 75 FT. TOTAL LENGTH
	6	1	2900661-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. 138 FT. TOTAL LENGTH
	7	1	2900661-007	WIRE, ND1002181, TYPE 1 CLASS 4, WHT. JKT., 22AWG, WHT., 4 FT. TOTAL LENGTH
18	8	1	2900661-008	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.12 DIA EACH CHANNEL, 5 FT. TOTAL LENGTH
7	9	1	1897215-013	CONNECTOR PLUG, ELECT.
	10	1	2900714-011	CONNECTOR PLUG, ELECT., 300 PIN
	11	1	2900854-011	CONNECTOR PLUG, ELECT.,
7	12	129	1897300-003	CONTACT, ELECT. SPRING SOCKET
7	13	44	1016369-188	CONTACT, INNER MALE

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR F	SHEET 4 OF 43

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	37	1016369-288	CONTACT, OUTER MALE
7	15	37	1016369-388	CONTACT, INNER FEMALE
7	16	44	1016369-488	CONTACT, OUTER FEMALE
7	17	81	1016369-588	HYRING
7	18	44	1016369-711	INNER SLEEVE
7	19	37	1016369-712	INNER SLEEVE
7	20	81	1016369-713	OUTER SLEEVE
7	21	124	1010763- 2	SOLDER SLEEVE
7	22	AR	1016198- 1	GLYPTAL
7	23	174	1010490-228	INSULATION SLEEVING
7	24	2	1010490-232	INSULATION SLEEVING
7	25	360	1015864-232	INSULATION SLEEVING
7	26	1	1016128-011	BAND, IDENTIFICATION
7	27	4	1016128-041	BAND, IDENTIFICATION
	28	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	29	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE .62 WIDE X.020 THICK
7	30	1	1897215-003	CONNECTOR PLUG, ELEC.

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR F	SHEET 5 OF 43

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
19	31	1	2900661-009	ZIPPER TUBING PER HD1002155, TYPE I GRAY 1.25 DIA. 6 FT. TOTAL LENGTH
7	32	11	1016369-421	CONTACT, FEMALE
7	33	1	1016369-420	CONTACT, MALE
7	34	230	1397300-002	CONTACT, ELECT. SPRING SOCKET
	35	2	1397330-001	CABLE CLAMP
	36	2	1397331-001	ADAPTER, CABLE CLAMP
	37	2	1016262- 24	RUBBER GROMMET

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 6 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6		P1-45/0 P3-A9				.23 .18	NO NO		17, 14 12	USE WITH P1-45/I
A	2	6		P1-45/I P3-B9				.22 .19	NO NO		15, 19, 20 12	
A	3	6		P1-46/0 P3-C10				.23 .18	NO NO		17, 14 12	USE WITH P1-46/I
A	4	6		P1-46/I P3-C9				.22 .18	NO NO		15, 19, 20 12	
A	5	6		P1-48/0 P3-C8				.23 .18	NO NO		17, 14 12	USE WITH P1-48/I
A	6	6		P1-48/I P3-D8				.22 .18	NO NO		15, 19, 20 12	
A	7	2				3.30 3.30	3.00 3.00			A,6B 6,7	21, 23 23	
A	7A	6		SHLD A7 P1-49/I				.25 .22	NO NO		15, 19, 20	USE WITH P1-49/0
A	7L			P1-50/0 P3-H10				.23 .18	NO NO		17, 14 12	
A	7R			P1-50/I P3-H9				.22 .18	NO NO		15, 19, 20 12	
A	8	6	8.00	P1-49/0 FREE END				.23	NO		17, 14	SEE NOTE 14
A	9	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 7 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9A	6		SHLD A9 P1-2/I				.25 .22	NO NO		15, 19, 20	USE WITH P1-2/0
A	9L			P1-1/0 P3-B31				.23 .18	NO NO		17, 14 12	
A	9R			P1-1/I P3-A31				.22 .18	NO NO		15, 19, 20 12	
A	10	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	10A	6		SHLD A10 P1-2/0				.25 .23	NO NO		17, 14	USE WITH P1-2/I
A	10L			P1-3/0 P3-B32				.23 .18	NO NO		17, 14 12	
A	10R			P1-3/I P3-A32				.22 .18	NO NO		15, 19, 20 12	
A	11	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	11A	6		SHLD A11 P1-5/I				.25 .22	NO NO		15, 19, 20	USE WITH P1-5/0
A	11L			P1-4/0 P3-B33				.23 .18	NO NO		17, 14 12	
A	11R			P1-4/I P3-A33				.22 .18	NO NO		15, 19, 20 12	
A	12	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 8 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12A	6		SHLD A12 P1-5/0				.25 .23	NO NO		17, 14	USE WITH P1-5/I
A	12L			P1-6/0 P3-B34				.23 .18	NO NO		17, 14 12	
A	12R			P1-6/I P3-A34				.22 .16	NO NO		15, 19, 20 12	
A	13	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	13A	6		SHLD A13 P1-8/I				.25 .22	NO NO		15, 19, 20	USE WITH P1-8/0
A	13L			P1-7/0 P3-B35				.23 .18	NO NO		17, 14 12	
A	13R			P1-7/I P3-A35				.22 .18	NO NO		15, 19, 20 12	
A	14	2				3.80 3.80	3.50 3.50			A,6B B,7	21, 23 23	
A	14A	6		SHLD A14 P1-8/0				.25 .23	NO NO		17, 14	USE WITH P1-8/I
A	14L			P1-9/0 P3-B36				.23 .18	NO NO		17, 14 12	
A	14R			P1-9/I P3-A36				.22 .18	NO NO		15, 19, 20 12	
A	15	2				3.80 3.80	3.50 3.50			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 9 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15A	6		SHLD A15 P1-11/I					.25 .22	NO NO		 15, 19, 20	 USE WITH P1-11/0
A 15L			P1-10/0 P3-F36					.23 .18	NO NO		17, 14 12	
A 15R			P1-10/I P3-F37					.22 .18	NO NO		15, 19, 20 12	
A 16	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 16A	6		SHLD A16 P1-11/0					.25 .23	NO NO		 17, 14	 USE WITH P1-11/I
A 16L			P1-12/0 P3-B29					.23 .18	NO NO		17, 14 12	
A 16R			P1-12/I P3-A29					.22 .18	NO NO		15, 19, 20 12	
A 17	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 17A	6		SHLD A17 P1-14					.25 .23	NO NO		 33	
A 17L			P1-13/0 P3-B28					.23 .18	NO NO		17, 14 12	
A 17R			P1-13/I P3-A28					.22 .18	NO NO		15, 19, 20 12	
A 18	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 10 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18A	6		SHLD A18 P1-25/I					.25 .22	NO NO		 15, 19, 20	 USE WITH P1-25/0
A 18L			P1-24/0 P3-H39					.23 .18	NO NO		17, 14 12	
A 18R			P1-24/I P3-K39					.22 .18	NO NO		15, 19, 20 12	
A 19	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A 19A	6		SHLD A19 P1-25/0					.25 .23	NO NO		 17, 14	 USE WITH P1-25/I
A 19L			P1-26/0 P3-K38					.23 .18	NO NO		17, 14 12	
A 19R			P1-26/I P3-H38					.22 .18	NO NO		15, 19, 20 12	
A 20	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 20A	6		SHLD A20 P1-16/I					.25 .22	NO NO		 15, 19, 20	 USE WITH P1-16/0
A 20L			P1-15/0 P3-H37					.23 .18	NO NO		17, 14 12	
A 20R			P1-15/I P3-K37					.22 .18	NO NO		15, 19, 20 12	
A 21	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 11 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21A	6		SHLD A21 P1-16/0					.25 .23	NO NO		 17, 14	 USE WITH P1-16/I
A 21L			P1-17/0 P3-K36					.23 .18	NO NO		17, 14 12	
A 21R			P1-17/I P3-H36					.22 .18	NO NO		15, 19, 20 12	
A 22	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 22A	6		SHLD A22 P1-19/I					.25 .22	NO NO		 15, 19, 20	 USE WITH P1-19/0
A 22L			P1-18/0 P3-H41					.23 .18	NO NO		17, 14 12	
A 22R			P1-18/I P3-G41					.22 .18	NO NO		15, 19, 20 12	
A 23	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A 23A	6		SHLD A23 P1-19/0					.25 .23	NO NO		 17, 14	 USE WITH P1-19/I
A 23L			P1-20/0 P3-F39					.23 .18	NO NO		17, 14 12	
A 23R			P1-20/I P3-F40					.22 .18	NO NO		15, 19, 20 12	
A 24	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 12 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P1-44/0 P3-C19					.23 .18	NO NO		17, 14 12	
A 24R			P1-44/I P3-C18					.22 .18	NO NO		15, 19, 20 12	
A 25	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 25L			P1-43/0 P3-D9					.23 .18	NO NO		17, 14 12	
A 25R			P1-43/I P3-D10					.22 .18	NO NO		15, 19, 20 12	
A 26	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 26L			P1-31/0 P3-B20					.23 .18	NO NO		17, 14	
A 26R			P1-31/I P3-C20					.22 .18	NO NO		15, 19, 20 12	
A 26Y			P1-32 P3-B21					.19 .18	NO NO		32 12	
A 27	6		P1-33/0 P3-B12					.23 .18	NO NO		17, 14 12	USE WITH P1-33/I
A 28	6		P1-33/I P3-A12					.22 .18	NO NO		15, 19, 20 12	USE WITH P1-33/0
A 29	6		P1-35/0 P3-A11					.23 .18	NO NO		17, 14 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 13 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	6		P1-35/I P3-B11					.22 .18	NO NO		15, 19, 20 12	
A 31	6		P1-36/0 P3-B13					.23 .18	NO NO		17, 14 12	
A 32	6		P1-36/I P3-A13					.22 .18	NO NO		15, 19, 20 12	
A 33	6		P1-37 P3-A14					.19 .18	NO NO		32 12	
A 34	6		P1-39 P3-B16					.19 .18	NO NO		32 12	
A 35	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 35L			P1-42/I P3-D12					.22 .18	NO NO		15, 19, 20 12	
A 35R			P1-41 P3-D13					.19 .18	NO NO		32 12	
A 35Y			P1-42/0 P3-D11					.23 .18	NO NO		17, 14 12	
A 36			DELETED									
A 37	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 37L			P1-27/0 P3-C15					.23 .18	NO NO		17, 14 12	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 14 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37R			P1-27/I P3-B15					.22 .18	NO NO		15, 19, 20 12	
A 37Y			FREE END P3-A15					.18	NO		12	SEE NOTE 14
A 38	5		P1-29 P3-C16					.19 .18	NO NO		32 34	
A 39	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 39L			P1-38/0 P3-C17					.23 .18	NO NO		17, 14 12	
A 39R			P1-38/I P3-B18					.22 .18	NO NO		15, 19, 20 12	
A 39Y			FREE END P3-B17					.18	NO		12	SEE NOTE 14
A 40			DELETED									
A 41			DELETED									
A 42			DELETED									
A 43			DELETED									
A 44	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	SEE NOTE 19

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 15 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44L			P1-40/0 P4-636					.23 .18	NO NO		17, 14 12	
A 44R			P1-40/I P4-536					.22 .18	NO NO		15, 19, 20 12	
A 45	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 45A	6		SHLD A45 P2-2/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-2/0
A 45B	5		P4-410 SHLD A45					.18 .25	NO NO		34	
A 45L			P2-1/0 P4-510					.23 .18	NO NO		17, 16 12	
A 45R			P2-1/I P4-610					.22 .18	NO NO		20, 18, 13 12	
A 46	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 46A	6		SHLD A46 P2-2/0					.25 .22	NO NO		 17, 16	 USE WITH P2-2/I
A 46B	5		P4-110 SHLD A46					.18 .25	NO NO		34	
A 46L			P2-3/0 P4-210					.23 .18	NO NO		17, 16 12	
A 46R			P2-3/I P4-310					.22 .18	NO NO		20, 18, 13 12	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 16 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	2				3.30 3.30	3.00 3.00				A,6B. A,6B	21, 23 21, 23	
A 47A	6		SHLD A47 P2-5/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-5/0
A 47B	5		P4-409 SHLD A47					.18 .25	NO NO		34	
A 47L			P2-4/0 P4-509					.23 .18	NO NO		17, 16 12	
A 47R			P2-4/I P4-609					.22 .18	NO NO		20, 18, 13 12	
A 48	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 48A	6		SHLD A48 P2-5/0					.25 .22	NO NO		 17, 16	 USE WITH P2-5/I
A 48B	5		P4-109 SHLD A48					.18 .25	NO NO		34	
A 48L			P2-6/0 P4-209					.23 .18	NO NO		17, 16 12	
A 48R			P2-6/I P4-309					.22 .18	NO NO		20, 18, 13 12	
A 49	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 49A	6		SHLD A49 P2-8/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-8/0

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR F | SHEET 17 OF 43

CABLE ASSEMBLY W154 2900661 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49B	5		P4-408 SHLD A49					.18 .25	NO NO		34	
A	49L			P2-7/0 P4-508					.23 .18	NO NO		17, 16 12	
A	49R			P2-7/I P4-608					.22 .18	NO NO		20, 18, 13 12	
A	50	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A	50A	6		SHLD A50 P2-8/0					.25 .23	NO NO		 17, 16	USE WITH P2-8/I
A	50B	5		P4-108 SHLD A50					.18 .25	NO NO		34	
A	50L			P2-9/0 P4-208					.23 .18	NO NO		17, 16 12	
A	50R			P2-9/I P4-308					.22 .18	NO NO		20, 18, 13 12	
A	51	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	51A	6		SHLD A51 P2-11/I					.25 .22	NO NO		 20, 18, 13	USE WITH P2-11/0
A	51B	5		P4-407 SHLD A51					.18 .25	NO NO		34	
A	51L			P2-10/0 P4-507					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 18 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	51R			P2-10/I P4-607					.22 .18	NO NO		20, 18, 13 12	
A	52	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	52A	6		SHLD A52 P2-11/0					.25 .23	NO NO		 17, 16	USE WITH P2-11/I
A	52B	5		P4-107 SHLD A52					.18 .25	NO NO		34	
A	52L			P2-12/0 P4-207					.23 .18	NO NO		17, 16 12	
A	52R			P2-12/I P4-307					.22 .18	NO NO		20, 18, 13 12	
A	53	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	53A	6		SHLD A53 P2-14/I					.25 .22	NO NO		 20, 18, 13	USE WITH P2-14/0
A	53B	5		P4-406 SHLD A53					.18 .25	NO NO		34	
A	53L			P2-13/0 P4-506					.23 .18	NO NO		17, 16 12	
A	53R			P2-13/I P4-606					.22 .18	NO NO		20, 18, 13 12	
A	54	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 19 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	54A	6		SHLD A54 P2-14/0					.25 .23	NO NO		 17, 16	USE WITH P2-14/I
A	54B	5		P4-106 SHLD A54					.18 .25	NO NO		34	
A	54L			P2-15/0 P4-206					.23 .18	NO NO		17, 16 12	
A	54R			P2-15/I P4-306					.22 .18	NO NO		20, 18, 13 12	
A	55	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	55A	6		SHLD A55 P2-17/I					.25 .22	NO NO		 20, 18, 13	USE WITH P2-17/0
A	55B	5		P4-405 SHLD A55					.18 .25	NO NO		34	
A	55L			P2-16/0 P4-505					.23 .18	NO NO		17, 16 12	
A	55R			P2-16/I P4-605					.22 .18	NO NO		20, 18, 13 12	
A	56	2				3.80 3.80	3.50 3.50				A,6B A,6B	21, 23 21, 23	
A	56A	6		SHLD A56 P2-17/0					.25 .23	NO NO		 17, 16	USE WITH P2-17/I
A	56B	5		P4-105 SHLD A56					.18 .25	NO NO		34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 20 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	56L			P2-18/0 P4-205					.23 .18	NO NO		17, 16 12	
A	56R			P2-18/I P4-305					.22 .18	NO NO		20, 18, 13 12	
A	57	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	57A	6		SHLD A57 P2-20/I					.25 .22	NO NO		 20, 18, 13	USE WITH P2-20/0
A	57B	5		P4-404 SHLD A57					.18 .25	NO NO		34	
A	57L			P2-19/0 P4-504					.23 .18	NO NO		17, 16 12	
A	57R			P2-19/I P4-604					.22 .18	NO NO		20, 18, 13 12	
A	56	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	58A	6		SHLD A58 P2-20/0					.25 .23	NO NO		 17, 16	USE WITH P2-20/I
A	58B	5		P4-104 SHLD A58					.18 .25	NO NO		34	
A	58L			P2-21/0 P4-204					.23 .18	NO NO		17, 16 12	
A	58R			P2-21/I P4-304					.22 .18	NO NO		20, 18, 13 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 21 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	59	2			4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	59A	6	SHLD A59 P2-23/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-23/0
A	59B	5	P4-403 SHLD A59					.18 .25	NO NO		34	
A	59L		P2-22/0 P4-503					.23 .18	NO NO		17, 16 12	
A	59R		P2-22/I P4-603					.22 .18	NO NO		20, 18, 13 12	
A	60	2			4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	60A	6	SHLD A60 P2-23/0					.25 .23	NO NO		 17, 16	 USE WITH P2-23/I
A	60B	5	P4-103 SHLD A60					.18 .25	NO NO		34	
A	60L		P2-24/0 P4-203					.23 .18	NO NO		17, 16 12	
A	60R		P2-24/I P4-303					.22 .18	NO NO		20, 18, 13 12	
A	61	2			4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	61A	6	SHLD A61 P2-26/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-26/0

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 22 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61B	5	P4-402 SHLD A61					.18 .25	NO NO		34	
A	61L		P2-25/0 P4-502					.23 .18	NO NO		17, 16 12	
A	61R		P2-25/I P4-602					.22 .18	NO NO		20, 18, 13 12	
A	62	2			4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A	62A	6	SHLD A62 P2-26/0					.25 .23	NO NO		 17, 16	 USE WITH P2-26/I
A	62B	5	P4-102 SHLD A62					.18 .25	NO NO		34	
A	62L		P2-27/0 P4-202					.23 .18	NO NO		17, 16 12	
A	62R		P2-27/I P4-302					.22 .18	NO NO		20, 18, 13 12	
A	63	2			4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	63A	6	SHLD A63 P2-29/I					.25 .22	NO NO		 20, 18, 13	
A	63B	5	P4-401 SHLD A63					.18 .25	NO NO		34	USE WITH P2-29/0
A	63L		P2-28/0 P4-501					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 23 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	63R		P2-28/I P4-601					.22 .18	NO NO		20, 18, 13 12	
A	64	2			4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A	64A	6	SHLD A64 P2-29/0					.25 .23	NO NO		 17, 16	 USE WITH P2-29/I
A	64B	5	P4-101 SHLD A64					.18 .25	NO NO		34	
A	64L		P2-30/0 P4-201					.23 .18	NO NO		17, 16 12	
A	64R		P2-30/I P4-301					.22 .18	NO NO		20, 18, 13 12	
A	65	4			4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	65L		P2-33/0 P4-611					.23 .18	NO NO		17, 16 12	
A	65R		P2-33/I P4-411					.22 .18	NO NO		20, 18, 13 12	
A	65Y		P2-34 P4-511					.19 .18	NO NO		32 12	
A	66	2			4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	66L		P2-35/0 P4-112					.23 .18	NO NO		17, 16 12	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 24 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	66R		P2-35/I P4-212					.22 .18	NO NO		20, 18, 13 12	
A	67	2			4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	67L		P2-36/0 P4-312					.23 .18	NO NO		17, 16 12	
A	67R		P2-36/I P4-412					.22 .18	NO NO		20, 18, 13 12	
A	68	4			4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A	68L		P2-37/0 P4-612					.23 .18	NO NO		17, 16 12	
A	68R		P2-37/I P4-113					.22 .18	NO NO		20, 18, 13 12	
A	68Y		P2-38 P4-512					.19 .18	NO NO		32 12	
A	69	2			5.30 5.30	5.00 5.00				B,7 B,7	23 23	
A	69L		P2-39/0 P4-213					.23 .18	NO NO		17, 16 12	
A	69R		P2-39/I P4-313					.22 .18	NO NO		20, 18, 13 12	
A	70	2			5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

SIZE	CODE IDENT NO.		
A	99974	2900661	
SCALE-NONE	REV LTR F		SHEET 25 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	70A	5		SHLD A70 P2-32					.25 .19	NO NO		 32	
A	70B	5		P4-111 SHLD A70					.18 .25	NO NO		34	
A	70L			P2-31/0 P4-211					.23 .18	NO NO		17, 16 12	
A	70R			P2-31/I P4-311					.22 .18	NO NO		20, 18, 13 12	
A	71	6		P2-40/I P4-522					.22 .18	NO NO		20, 18, 13 12	USE WITH P2-40/0
A	72	6		P2-40/0 P4-622					.23 .18	NO NO		17, 16 12	 USE WITH P2-40/I
A	73	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	73A	6		SHLD A73 P2-42/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-42/0
A	73B	5		P4-634 SHLD A73					.18 .25	NO NO		34	
A	73L			P2-41/0 P4-534					.23 .18	NO NO		17, 16 12	
A	73R			P2-41/I P4-434					.22 .18	NO NO		20, 18, 13 12	
A	74	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
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MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	74A	6		SHLD A74 P2-42/0					.25 .23	NO NO		 17, 16	
A	74B	5		P4-335 SHLD A74					.18 .25	NO NO		34	
A	74L			P2-43/0 P4-235					.23 .18	NO NO		17, 16 12	
A	74R			P2-43/I P4-135					.22 .18	NO NO		20, 18, 13 12	
A	75	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	75A	5		SHLD A75 P2-45					.25 .19	NO NO		 32	
A	75B	5		P4-635 SHLD A75					.18 .25	NO NO		34	
A	75L			P2-44/0 P4-535					.23 .18	NO NO		17, 16 12	
A	75R			P2-44/I P4-435					.22 .18	NO NO		20, 18, 13 12	
A	76	5		P2-53 P4-236					.19 .18	NO NO		32 34	
A	77	5		P2-54 P4-436					.19 .18	NO NO		32 34	
A	78			DELETED									

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR F
SHEET 27 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	79	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	79A	6		SHLD A79 P2-47/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-47/0
A	79B	5		P4-137 SHLD A79					.18 .25	NO NO		34	
A	79L			P2-46/0 P4-337					.23 .18	NO NO		17, 16 12	
A	79R			P2-46/I P4-237					.22 .18	NO NO		20, 18, 13 12	
A	80	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A	80A	6		SHLD A80 P2-47/0					.25 .23	NO NO		 17, 16	 USE WITH P2-47/I
A	80B	5		P4-637 SHLD A80					.18 .25	NO NO		34	
A	80L			P2-48/0 P4-537					.23 .18	NO NO		17, 16 12	
A	80R			P2-48/I P4-437					.22 .18	NO NO		20, 18, 13 12	
A	81	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	81A	5		SHLD A81 P3-G33					.25 .18	NO NO		 34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 28 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	81B	5		P4-341 SHLD A81					.18 .25	NO NO		34	
A	81L			P3-K33 P4-241					.18 .18	NO NO		34 34	
A	81R			P3-H33 P4-141					.18 .18	NO NO		34 34	
A	82	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	82A	5		SHLD A82 P3-G34					.25 .18	NO NO		 34	
A	82B	5		P4-641 SHLD A82					.18 .25	NO NO		34	
A	82L			P3-H34 P4-541					.18 .18	NO NO		34 34	
A	82R			P3-K34 P4-441					.18 .18	NO NO		34 34	
A	83	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A	83A	5		SHLD A83 P3-F27					.25 .18	NO NO		 34	
A	83B	5		P4-343 SHLD A83					.18 .25	NO NO		34	
A	83L			P3-F29 P4-243					.18 .18	NO NO		34 34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR F
SHEET 29 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONF, FIG	ACCESSORY ITEMS	REMARKS
A	83R		P3-F23					.18	NO		34	
			P4-143					.18	NO		34	
A	84	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	84A	5	SHLD A84					.25	NO			
			P3-F33					.18	NO		34	
A	84B	5	P4-643					.18	NO		34	
			SHLD A84					.25	NO			
A	84L		P3-F32					.18	NO		34	
			P4-543					.18	NO		34	
A	84R		P3-F31					.18	NO		34	
			P4-443					.18	NO		34	
A	85	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	85A	5	SHLD A85					.25	NO			
			P3-G25					.18	NO		34	
A	85B	5	P4-345					.18	NO		34	
			SHLD A85					.25	NO			
A	85L		P3-K25					.18	NO		34	
			P4-245					.18	NO		34	
A	85R		P3-H25					.18	NO		34	
			P4-145					.18	NO		34	
A	86	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 30 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONF, FIG	ACCESSORY ITEMS	REMARKS
A	86A	5	SHLD A86					.25	NO			
			P3-G26					.18	NO		34	
A	86B	5	P4-645					.18	NO		34	
			SHLD A86					.25	NO			
A	86L		P3-H26					.18	NO		34	
			P4-545					.18	NO		34	
A	86R		P3-K26					.18	NO		34	
			P4-445					.18	NO		34	
A	87	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	87A	5	SHLD A87					.25	NO			
			P3-G31					.18	NO		34	
A	87B	5	P4-340					.18	NO		34	
			SHLD A87					.25	NO			
A	87L		P3-K31					.18	NO		34	
			P4-240					.18	NO		34	
A	87R		P3-H31					.18	NO		34	
			P4-140					.18	NO		34	
A	88	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	88A	5	SHLD A88					.25	NO			
			P3-G32					.18	NO		34	
A	88B	5	P4-640					.18	NO		34	
			SHLD A88					.25	NO			

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 31 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONF, FIG	ACCESSORY ITEMS	REMARKS
A	88L		P3-H32					.18	NO		34	
			P4-540					.18	NO		34	
A	88R		P3-K32					.18	NO		34	
			P4-440					.18	NO		34	
A	89	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	89A	5	SHLD A89					.25	NO			
			P3-G29					.18	NO		34	
A	89B	5	P4-342					.18	NO		34	
			SHLD A89					.25	NO			
A	89L		P3-K29					.18	NO		34	
			P4-242					.18	NO		34	
A	89R		P3-H29					.18	NO		34	
			P4-142					.18	NO		34	
A	90	1			4.80	4.50				A,68	21, 23	
					4.80	4.50				A,68	21, 23	
A	90A	5	SHLD A90					.25	NO			
			P3-G30					.18	NO		34	
A	90B	5	P4-642					.18	NO		34	
			SHLD A90					.25	NO			
A	90L		P3-H30					.18	NO		34	
			P4-542					.18	NO		34	
A	90R		P3-K30					.18	NO		34	
			P4-442					.18	NO		34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 32 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONF, FIG	ACCESSORY ITEMS	REMARKS
A	91	1			5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A	91A	5	SHLD A91					.25	NO			
			P3-G27					.18	NO		34	
A	91B	5	P4-344					.18	NO		34	
			SHLD A91					.25	NO			
A	91L		P3-K27					.18	NO		34	
			P4-244					.18	NO		34	
A	91R		P3-H27					.18	NO		34	
			P4-144					.18	NO		34	
A	92	1			5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A	92A	5	SHLD A92					.25	NO			
			P3-G28					.22	NO		34	
A	92B	5	P4-644					.18	NO		34	
			SHLD A92					.25	NO			
A	92L		P3-H28					.18	NO		34	
			P4-544					.18	NO		34	
A	92R		P3-K28					.18	NO		34	
			P4-444					.18	NO		34	
A	93	1			5.30	5.00				A,68	21, 23	
					5.30	5.00				A,68	21, 23	
A	93A	5	SHLD A93					.25	NO			
			P3-F3					.18	NO		34	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 33 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	5		P4-346 SHLD A93					.18 .25	NO NO		34	
A 93L			P3-F2 P4-246					.18 .18	NO NO		34 34	
A 93R			P3-F1 P4-146					.18 .18	NO NO		34 34	
A 94	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 94A	5		SHLD A94 P3-K3					.25 .18	NO NO		 34	
A 94B	5		P4-646 SHLD A94					.18 .25	NO NO		34	
A 94L			P3-K4 P4-546					.18 .18	NO NO		34 34	
A 94R			P3-H4 P4-446					.18 .18	NO NO		34 34	
A 95	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 95A	5		SHLD A95 P3-G2					.25 .18	NO NO		 34	
A 95B	5		P4-348 SHLD A95					.18 .25	NO NO		34	
A 95L			P3-G1 P4-248					.18 .18	NO NO		34 34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 34 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95R			P3-G2 P4-148					.18 .18	NO NO		34 34	
A 96	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 96A	5		SHLD A96 P3-H3					.25 .18	NO NO		 34	
A 96B	5		P4-648 SHLD A96					.18 .25	NO NO		34	
A 96L			P3-H2 P4-548					.18 .18	NO NO		34 34	
A 96R			P3-H1 P4-448					.18 .18	NO NO		34 34	
A 97	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 97A	5		SHLD A97 P3-G6					.25 .18	NO NO		 34	
A 97B	5		P4-633 SHLD A97					.18 .25	NO NO		34	
A 97L			P3-K6 P4-533					.18 .18	NO NO		34 34	
A 97R			P3-H6 P4-433					.18 .18	NO NO		34 34	
A 98	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 35 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98A	5		SHLD A98 P3-G5					.25 .18	NO NO		 34	
A 98B	5		P4-334 SHLD A98					.18 .25	NO NO		34	
A 98L			P3-H5 P4-234					.18 .18	NO NO		34 34	
A 98R			P3-K5 P4-134					.18 .18	NO NO		34 34	
A 99	1				5.30 5.30	5.00 5.00				A,68 B,7	21, 23 23	
A 99A	5		SHLD A99 P3-C26					.25 .18	NO NO		 34	
A 99L	5		P3-A26 P4-238					.18 .18	NO NO		34 34	
A 99R			P3-B26 P4-338					.18 .18	NO NO		34 34	
A 100	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 100A	5		SHLD A100 P3-C25					.25 .18	NO NO		 34	
A 100B	5		P4-329 SHLD A100					.18 .25	NO NO		34	
A 100L			P3-B25 P4-229					.18 .18	NO NO		34 34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 36 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100R			P3-A25 P4-129					.18 .18	NO NO		34 34	
A 101	1				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 101A	5		SHLD A101 P3-C39					.25 .18	NO NO		 34	
A 101B	5		P4-629 SHLD A101					.18 .25	NO NO		34	
A 101L			P3-A39 P4-529					.18 .18	NO NO		34 34	
A 101R			P3-B39 P4-429					.18 .18	NO NO		34 34	
A 102	1				5.80 5.80	5.50 5.50				A,68 A,68	21, 23 21, 23	
A 102A	5		SHLD A102 P3-D40					.25 .18	NO NO		 34	
A 102B	5		P4-330 SHLD A102					.18 .25	NO NO		34	
A 102L			P3-C41 P4-230					.18 .18	NO NO		34 34	
A 102R			P3-D41 P4-130					.18 .18	NO NO		34 34	
A 103	1				5.80 5.80	5.50 5.50				A,68 A,68	21, 23 21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 37 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103A	5		SHLD A103 P3-C24					.25 .18	NO NO		 34	
A 103B	5		P4-630 SHLD A103					.18 .25	NO NO		34	
A 103L			P3-D24 P4-530					.18 .18	NO NO		34 34	
A 103R			P3-B24 P4-430					.18 .18	NO NO		34 34	
A 104	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 104A	5		SHLD A104 P3-C33					.25 .18	NO NO		 34	
A 104B	5		P4-331 SHLD A104					.18 .25	NO NO		34	
A 104L			P3-B33 P4-231					.18 .18	NO NO		34 34	
A 104R			P3-A33 P4-131					.18 .18	NO NO		34 34	
A 105	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 105A	5		SHLD A105 P3-C40					.25 .18	NO NO		 34	
A 105B	5		P4-631 SHLD A105					.18 .25	NO NO		34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 38 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105L			P3-B40 P4-531					.18 .18	NO NO		34 34	
A 105R			P3-B41 P4-431					.18 .18	NO NO		34 34	
A 106	1				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 106L			P3-H8 P4-328					.18 .18	NO NO		34 34	
A 106R			P3-K8 P4-228					.18 .18	NO NO		34 34	
A 107	1				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 107L			P3-K10 P4-528					.18 .18	NO NO		34 34	
A 107R			P3-K9 P4-428					.18 .18	NO NO		34 34	
A 108	5		P3-D25 P4-136					.18 .18	NO NO		34 34	
A 109	5		P3-F25 P4-336					.18 .18	NO NO		34 34	
A 110	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 110A	5		SHLD A110 P3-C4					.25 .18	NO NO		 34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 39 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110B	5		P4-332 SHLD A110					.18 .25	NO NO		34	
A 110L			P3-B4 P4-232					.18 .18	NO NO		34 34	
A 110R			P3-A4 P4-132					.18 .18	NO NO		34 34	
A 111	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 111A	5		SHLD A111 P3-C5					.25 .18	NO NO		 34	
A 111B	5		P4-632 SHLD A111					.18 .25	NO NO		34	
A 111L			P3-A5 P4-532					.18 .18	NO NO		34 34	
A 111R			P3-B5 P4-432					.18 .18	NO NO		34 34	
A 112	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 112A	5		SHLD A112 P3-C6					.25 .18	NO NO		 34	
A 112B	5		P4-333 SHLD A112					.18 .25	NO NO		34	
A 112L			P3-B6 P4-233					.18 .18	NO NO		34 34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 40 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 112R			P3-A6 P4-133					.18 .18	NO NO		34 34	
A 113	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 113L			P3-D5 P4-221					.18 .18	NO NO		34 34	
A 113R			P3-D6 P4-620					.18 .18	NO NO		34 34	
A 113Y			P3-D4 P4-421					.18 .18	NO NO		34 34	
A 114	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 114L			P3-F4 P4-222					.18 .18	NO NO		34 34	
A 114R			P3-F5 P4-621					.18 .18	NO NO		34 34	
A 114Y			P3-F6 P4-119					.18 .18	NO NO		34 34	
A 115	5		P3-A3 P4-422					.18 .18	NO NO		34 34	
A 116	3				5.80 5.80	5.50 5.50				B,7 B,7	23 23	
A 116L			P3-F7 P4-321					.18 .18	NO NO		34 34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 41 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 116R			P3-G7					.18	NO		34	
			P4-121					.18	NO		34	
A 116Y			P3-F8					.18	NO		34	
			P4-521					.18	NO		34	
A 117	7				5.80	5.50				A,6B	21, 24	
					5.80	5.50				B,7	24	
A 117A	5		SHLD A117					.25	NO			
			P3-D27					.18	NO		34	
A 117W			P3-D26					.18	NO		34	
			P4-138					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 42 OF ~~44~~ 43

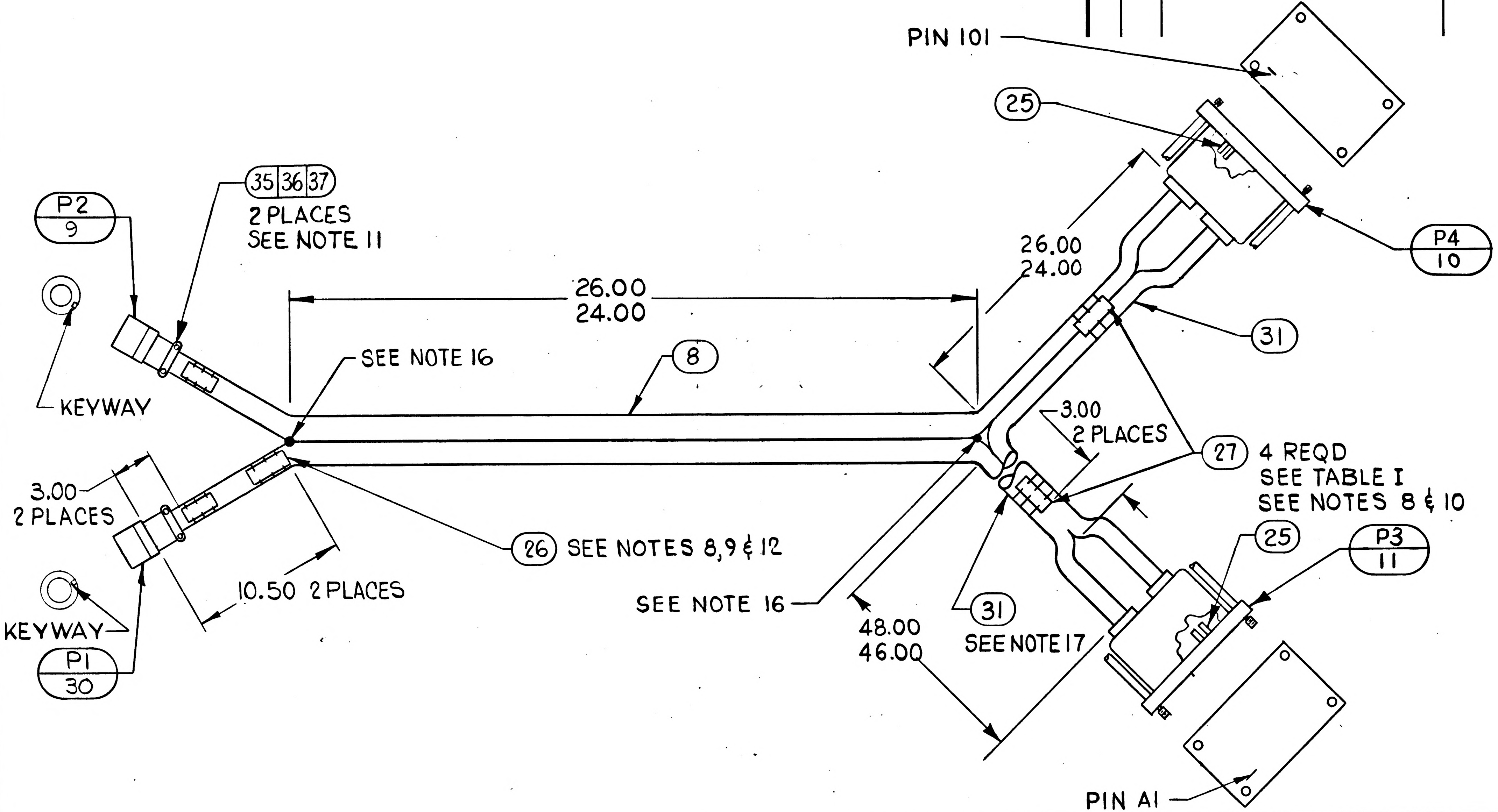
MIL 2084 9-65

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.

TABLE I

PLUG NO.	MARKING
P1	W154-P1 (J19-GDB)
P2	W154-P2 (J20-GDB)
P3	W154-P3 (J4-PSA)
P4	W154-P4 (-ECDU)


PIN 101
25
35 36 37
2 PLACES
SEE NOTE 11
P2 / 9
26.00
24.00
KEYWAY
SEE NOTE 16
8
26.00
24.00
P4 / 10
31
3.00
2 PLACES
27 4 REQD
SEE TABLE I
SEE NOTES 8 & 10
3.00
2 PLACES
26 SEE NOTES 8, 9 & 12
25
P3 / 11
10.50 2 PLACES
SEE NOTE 16
48.00
46.00
31
SEE NOTE 17
KEYWAY
P1 / 30
PIN A1

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± –	± .50	± –

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

DRAWN J. Wolski DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E. Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJJ (Phone Approval)
MIT APPROVAL W. Kupfer 21 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL,
BRANCHED - W154

CODE IDENT NO. 99974
SIZE C
2900661
SCALE NONE
SHEET 43 of 43

MIL 1077C—P

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 206224	19 OCT 65	R.W.T.
B	REVISED PER MXC 206334	28 OCT 65	JWP
C	REVISED PER MXC 207332	9 DEC 65	JWP
Ⓜ D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RLP
Ⓜ E	REVISED PER TDRR 25705	8 FEB 66	J.H.P.
Ⓜ F	REVISED PER TDRR 27009	16 MAR 66	R.W.T. JAC
G	REVISED PER TDRR 27228	23-MAR 66	B. J.E.G.

	REV	E	E	E	G	G	E	E	E	F	E	E	E	E	E	E	E	E	E	E	E	E	F	G			
	SHEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			
REV STATUS	REV				G	E	E	F	F	G	E	E	E	E	E	E	E	E	E	E	E	F	E	E
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

S. Erickson
15 OCT 65

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED - W154

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900661	G

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 43

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SECURE TO CABLE USING ITEM 28. MARKING TO READ AWAY FROM CONNECTOR
9	SERIALIZE PER ND1002023
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE 1, .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 29 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
14	APPLY ITEM 22 TO LEAD END.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER.
16	SEPARATE ZIPPER TUBING TO TEAR STOP
17	SPOT TIE ITEM 31 TO ITEM 8 AT 4 INCH INTERVALS USING ITEM 28.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK.
19	CONDUCTOR A44 MUST BE ROUTED THROUGH BACK SHELL OF P3 CONNECTOR.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900661-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	2	1	2900661-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 232 FT. TOTAL LENGTH
	3	1	2900661-003	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 12 FT. TOTAL LENGTH
	4	1	2900661-004	WIRE, ND1002181, TYPE 3, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 39 FT. TOTAL LENGTH
	5	1	2900661-005	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 75 FT. TOTAL LENGTH
	6	1	2900661-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. 138 FT. TOTAL LENGTH
	7	1	2900661-007	WIRE, ND1002181, TYPE 1 CLASS 4, WHT. JKT., 22AWG, WHT., 4 FT. TOTAL LENGTH
18	8	1	2900661-008	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.12 DIA EACH CHANNEL, 5 FT. TOTAL LENGTH
7	9	1	1897215-013	CONNECTOR PLUG, ELECT.
	10	1	2900714-011	CONNECTOR PLUG, ELECT., 300 PIN
	11	1	2900854-011	CONNECTOR PLUG, ELECT.,
7	12	129	1897300-003	CONTACT, ELECT. SPRING SOCKET
7	13	44	1016369-188	CONTACT, INNER MALE

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	37	1016369-288	CONTACT, OUTER MALE
7	15	37	1016369-388	CONTACT, INNER FEMALE
7	16	44	1016369-488	CONTACT, OUTER FEMALE
7	17	81	1016369-588	HYRING
7	18	44	1016369-711	INNER SLEEVE
7	19	37	1016369-712	INNER SLEEVE
7	20	81	1016369-713	OUTER SLEEVE
7	21	124	1010763- 2	SOLDER SLEEVE
7	22	AR	1016198- 1	GLYPTAL
7	23	174	1010490-228	INSULATION SLEEVING
7	24	2	1010490-232	INSULATION SLEEVING
7	25	360	1015864-232	INSULATION SLEEVING
7	26	1	1016128-011	BAND, IDENTIFICATION
7	27	4	1016128-041	BAND, IDENTIFICATION
	28	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	29	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE .62 WIDE X.020 THICK
7	30	1	1897215-003	CONNECTOR PLUG, ELEC.

CABLE ASSEMBLY W154 2900661 G

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
18	31	1	2900661-009	ZIPPER TUBING PER ND1002155, TYPE I GRAY 1.25 DIA. 6 FT. TOTAL LENGTH
7	32	9	1016369-421	CONTACT, FEMALE
7	33	1	1016369-424	CONTACT, MALE
7	34	231	1897300-002	CONTACT, ELECT. SPRING SOCKET
	35	2	1897330-001	CABLE CLAMP
	36	2	1897331-001	ADAPTER, CABLE CLAMP
	37	2	1016282- 24	RUBBER GROMMET
7	38	2	1016369-425	CONTACT, FEMALE

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR G	SHEET 6 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6		P1-45/O P3-A9				.23 .18	NO NO		17, 14 12	USE WITH P1-45/I
A	2	6		P1-45/I P3-B9				.22 .18	NO NO		15, 19, 20 12	
A	3	6		P1-46/O P3-C10				.23 .18	NO NO		17, 14 12	USE WITH P1-46/I
A	4	6		P1-46/I P3-C9				.22 .18	NO NO		15, 19, 20 12	
A	5	6		P1-48/O P3-C8				.23 .18	NO NO		17, 14 12	USE WITH P1-48/I
A	6	6		P1-48/I P3-D8				.22 .18	NO NO		15, 19, 20 12	
A	7	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	7A	6		SHLD A7 P1-49/I				.25 .22	NO NO		 15, 19, 20	 USE WITH P1-49/U
A	7L			P1-50/O P3-H10				.23 .18	NO NO		17, 14 12	
A	7R			P1-50/I P3-H9				.22 .18	NO NO		15, 19, 20 12	
A	8	6	8.00	P1-49/O FREE END				.23	NO		17, 14	 SEE NOTE 14
A	9	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 7 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9A	6		SHLD A9 P1-2/I				.25 .22	NO NO		 15, 19, 20	 USE WITH P1-2/O
A	9L			P1-1/O P3-B31				.23 .18	NO NO		17, 14 12	
A	9R			P1-1/I P3-A31				.22 .18	NO NO		15, 19, 20 12	
A	10	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	10A	6		SHLD A10 P1-2/O				.25 .23	NO NO		 17, 14	 USE WITH P1-2/I
A	10L			P1-3/O P3-B32				.23 .18	NO NO		17, 14 12	
A	10R			P1-3/I P3-A32				.22 .18	NO NO		15, 19, 20 12	
A	11	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	11A	6		SHLD A11 P1-5/I				.25 .22	NO NO		 15, 19, 20	 USE WITH P1-5/O
A	11L			P1-4/O P3-B33				.23 .18	NO NO		17, 14 12	
A	11R			P1-4/I P3-A33				.22 .18	NO NO		15, 19, 20 12	
A	12	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 8 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12A	6		SHLD A12 P1-5/O				.25 .23	NO NO		 17, 14	 USE WITH P1-5/I
A	12L			P1-6/O P3-B34				.23 .18	NO NO		17, 14 12	
A	12R			P1-6/I P3-A34				.22 .18	NO NO		15, 19, 20 12	
A	13	2				3.30 3.30	3.00 3.00			A,6B B,7	21, 23 23	
A	13A	6		SHLD A13 P1-8/I				.25 .22	NO NO		 15, 19, 20	 USE WITH P1-8/O
A	13L			P1-7/O P3-B35				.23 .18	NO NO		17, 14 12	
A	13R			P1-7/I P3-A35				.22 .18	NO NO		15, 19, 20 12	
A	14	2				3.80 3.80	3.50 3.50			A,6B B,7	21, 23 23	
A	14A	6		SHLD A14 P1-8/O				.25 .23	NO NO		 17, 14	 USE WITH P1-8/I
A	14L			P1-9/O P3-B36				.23 .18	NO NO		17, 14 12	
A	14R			P1-9/I P3-A36				.22 .18	NO NO		15, 19, 20 12	
A	15	2				3.80 3.80	3.50 3.50			A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 9 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15A	6		SHLD A15 P1-11/I					.25 .22	NO NO		 15, 19, 20	USE WITH P1-11/0
A	15L			P1-10/0 P3-F36					.23 .18	NO NO		17, 14 12	
A	15R			P1-10/I P3-F37					.22 .18	NO NO		15, 19, 20 12	
A	16	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A	16A	6		SHLD A16 P1-11/0					.25 .23	NO NO		 17, 14	USE WITH P1-11/I
A	16L			P1-12/0 P3-B29					.23 .18	NO NO		17, 14 12	
A	16R			P1-12/I P3-A29					.22 .18	NO NO		15, 19, 20 12	
A	17	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A	17A	6		SHLD A17 P1-14					.25 .19	NO NO		 33	
A	17L			P1-13/0 P3-B28					.23 .18	NO NO		17, 14 12	
A	17R			P1-13/I P3-A28					.22 .18	NO NO		15, 19, 20 12	
A	18	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 10 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	18A	6		SHLD A18 P1-25/I					.25 .22	NO NO		 15, 19, 20	USE WITH P1-25/0
A	18L			P1-24/0 P3-H39					.23 .18	NO NO		17, 14 12	
A	18R			P1-24/I P3-K39					.22 .18	NO NO		15, 19, 20 12	
A	19	2				3.80 3.80	3.50 3.50				A,6B B,7	21, 23 23	
A	19A	6		SHLD A19 P1-25/0					.25 .23	NO NO		 17, 14	USE WITH P1-25/I
A	19L			P1-26/0 P3-K38					.23 .18	NO NO		17, 14 12	
A	19R			P1-26/I P3-H38					.22 .18	NO NO		15, 19, 20 12	
A	20	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A	20A	6		SHLD. A20 P1-16/I					.25 .22	NO NO		 15, 19, 20	USE WITH P1-16/0
A	20L			P1-15/0 P3-H37					.23 .18	NO NO		17, 14 12	
A	20R			P1-15/I P3-K37					.22 .18	NO NO		15, 19, 20 12	
A	21	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 11 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21A	6		SHLD A21 P1-16/0					.25 .23	NO NO		 17, 14	USE WITH P1-16/I
A	21L			P1-17/0 P3-K36					.23 .18	NO NO		17, 14 12	
A	21R			P1-17/I P3-H36					.22 .18	NO NO		15, 19, 20 12	
A	22	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A	22A	6		SHLD A22 P1-19/I					.25 .22	NO NO		 15, 19, 20	USE WITH P1-19/0
A	22L			P1-18/0 P3-H41					.23 .18	NO NO		17, 14 12	
A	22R			P1-18/I P3-G41					.22 .18	NO NO		15, 19, 20 12	
A	23	2				4.30 4.30	4.00 4.00				A,6B B,7	21, 23 23	
A	23A	6		SHLD A23 P1-19/0					.25 .23	NO NO		 17, 14	USE WITH P1-19/I
A	23L			P1-20/0 P3-F39					.23 .18	NO NO		17, 14 12	
A	23R			P1-20/I P3-F40					.22 .18	NO NO		15, 19, 20 12	
A	24	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 12 OF 43

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	24L			P1-44/0 P3-C19					.23 .18	NO NO		17, 14 12	
A	24R			P1-44/I P3-C18					.22 .18	NO NO		15, 19, 20 12	
A	25	2				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A	25L			P1-43/0 P3-D9					.23 .18	NO NO		17, 14 12	
A	25R			P1-43/I P3-D10					.22 .18	NO NO		15, 19, 20 12	
A	26	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A	26L			P1-31/0 P3-B20					.23 .18	NO NO		17, 14	
A	26R			P1-31/I P3-C20					.22 .18	NO NO		15, 19, 20 12	
A	26Y			P1-32 P3-B21					.19 .18	NO NO		32 12	
A	27	6		P1-33/0 P3-B12					.23 .18	NO NO		17, 14 12	USE WITH P1-33/I
A	28	6		P1-33/I P3-A12					.22 .18	NO NO		15, 19, 20 12	USE WITH P1-33/0
A	29	6		P1-35/0 P3-A11					.23 .18	NO NO		17, 14 12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 13 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	6		P1-35/I P3-B11					.22 .18	NO NO		15, 19, 20 12	
A 31	6		P1-36/0 P3-B13					.23 .18	NO NO		17, 14 12	
A 32	6		P1-36/I P3-A13					.22 .18	NO NO		15, 19, 20 12	
A 33	6		P1-37 P3-A14					.19 .18	NO NO		32 12	
A 34	6		P1-39 P3-B16					.19 .18	NO NO		32 12	
A 35	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 35L			P1-42/I P3-D12					.22 .18	NO NO		15, 19, 20 12	
A 35R			P1-41 P3-D13					.19 .18	NO NO		32 12	
A 35Y			P1-42/0 P3-D11					.23 .18	NO NO		17, 14 12	
A 36			DELETED									
A 37	4				4.30 4.30	4.00 4.00				B,7 B,7	23 23	
A 37L			P1-27/0 P3-C15					.23 .18	NO NO		17, 14 12	

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR E	SHEET 14 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37R			P1-27/I P3-B15					.22 .18	NO NO		15, 19, 20 12	
A 37Y			FREE END P3-A15					 .18	 NO		 12	SEE NOTE 14
A 38	5		P1-29 P3-C16					.19 .18	NO NO		32 34	
A 39	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 39L			P1-38/0 P3-C17					.23 .18	NO NO		17, 14 12	
A 39R			P1-38/I P3-B18					.22 .18	NO NO		15, 19, 20 12	
A 39Y			FREE END P3-B17					 .18	 NO		 12	SEE NOTE 14
A 40			DELETED									
A 41			DELETED									
A 42			DELETED									
A 43			DELETED									
A 44	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	SEE NOTE 19

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR E	SHEET 15 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44L			P1-40/0 P4-636					.23 .18	NO NO		17, 14 12	
A 44R			P1-40/I P4-536					.22 .18	NO NO		15, 19, 20 12	
A 45	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 45A	6		SHLD A45 P2-2/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-2/0
A 45B	5		P4-410 SHLD A45					.18 .25	NO NO		34	
A 45L			P2-1/0 P4-510					.23 .18	NO NO		17, 16 12	
A 45R			P2-1/I P4-610					.22 .18	NO NO		20, 18, 13 12	
A 46	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 46A	6		SHLD A46 P2-2/0					.25 .22	NO NO		 17, 16	 USE WITH P2-2/I
A 46B	5		P4-110 SHLD A46					.18 .25	NO NO		34	
A 46L			P2-3/0 P4-210					.23 .18	NO NO		17, 16 12	
A 46R			P2-3/I P4-310					.22 .18	NO NO		20, 18, 13 12	

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR E	SHEET 16 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 47A	6		SHLD A47 P2-5/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-5/0
A 47B	5		P4-409 SHLD A47					.18 .25	NO NO		34	
A 47L			P2-4/0 P4-509					.23 .18	NO NO		17, 16 12	
A 47R			P2-4/I P4-609					.22 .18	NO NO		20, 18, 13 12	
A 48	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 48A	6		SHLD A48 P2-5/0					.25 .22	NO NO		 17, 16	 USE WITH P2-5/I
A 48B	5		P4-109 SHLD A48					.18 .25	NO NO		34	
A 48L			P2-6/0 P4-209					.23 .18	NO NO		17, 16 12	
A 48R			P2-6/I P4-309					.22 .18	NO NO		20, 18, 13 12	
A 49	2				3.30 3.30	3.00 3.00				A,6B A,6B	21, 23 21, 23	
A 49A	6		SHLD A49 P2-8/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-8/0

SIZE A	CODE IDENT NO. 99974	2900661
SCALE-NONE	REV LTR F	SHEET 17 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49B	5		P4-408					.18	NO		34	
			SHLD A49					.25	NO			
A 49L			P2-7/0					.23	NO		17, 16	
			P4-508					.18	NO		12	
A 49R			P2-7/I					.22	NO		20, 18, 13	
			P4-608					.18	NO		12	
A 50	2				3.30	3.00				A,6B	21, 23	
					3.30	3.00				A,6B	21, 23	
A 50A	6		SHLD A50					.25	NO			
			P2-8/0					.23	NO		17, 16	USE WITH P2-8/I
A 50B	5		P4-108					.18	NO		34	
			SHLD A50					.25	NO			
A 50L			P2-9/0					.23	NO		17, 16	
			P4-208					.18	NO		12	
A 50R			P2-9/I					.22	NO		20, 18, 13	
			P4-308					.18	NO		12	
A 51	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	
A 51A	6		SHLD A51					.25	NO			
			P2-11/I					.22	NO		20, 18, 13	USE WITH P2-11/0
A 51B	5		P4-407					.18	NO		34	
			SHLD A51					.25	NO			
A 51L			P2-10/0					.23	NO		17, 16	
			P4-507					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 18 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51R			P2-10/I					.22	NO		20, 18, 13	
			P4-607					.18	NO		12	
A 52	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	
A 52A	6		SHLD A52					.25	NO			
			P2-11/0					.23	NO		17, 16	USE WITH P2-11/I
A 52B	5		P4-107					.18	NO		34	
			SHLD A52					.25	NO			
A 52L			P2-12/0					.23	NO		17, 16	
			P4-207					.18	NO		12	
A 52R			P2-12/I					.22	NO		20, 18, 13	
			P4-307					.18	NO		12	
A 53	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	
A 53A	6		SHLD A53					.25	NO			
			P2-14/I					.22	NO		20, 18, 13	USE WITH P2-14/0
A 53B	5		P4-406					.18	NO		34	
			SHLD A53					.25	NO			
A 53L			P2-13/0					.23	NO		17, 16	
			P4-506					.18	NO		12	
A 53R			P2-13/I					.22	NO		20, 18, 13	
			P4-606					.18	NO		12	
A 54	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR E	SHEET 19 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 54A	6		SHLD A54					.25	NO			
			P2-14/0					.23	NO		17, 16	USE WITH P2-14/I
A 54B	5		P4-106					.18	NO		34	
			SHLD A54					.25	NO			
A 54L			P2-15/0					.23	NO		17, 16	
			P4-206					.18	NO		12	
A 54R			P2-15/I					.22	NO		20, 18, 13	
			P4-306					.18	NO		12	
A 55	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	
A 55A	6		SHLD A55					.25	NO			
			P2-17/I					.22	NO		20, 18, 13	USE WITH P2-17/0
A 55B	5		P4-405					.18	NO		34	
			SHLD A55					.25	NO			
A 55L			P2-16/0					.23	NO		17, 16	
			P4-505					.18	NO		12	
A 55R			P2-16/I					.22	NO		20, 18, 13	
			P4-605					.18	NO		12	
A 56	2				3.80	3.50				A,6B	21, 23	
					3.80	3.50				A,6B	21, 23	
A 56A	6		SHLD A56					.25	NO			
			P2-17/0					.23	NO		17, 16	USE WITH P2-17/I
A 56B	5		P4-105					.18	NO		34	
			SHLD A56					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 20 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 56L			P2-18/0					.23	NO		17, 16	
			P4-205					.18	NO		12	
A 56R			P2-18/I					.22	NO		20, 18, 13	
			P4-305					.18	NO		12	
A 57	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 57A	6		SHLD A57					.25	NO			
			P2-20/I					.22	NO		20, 18, 13	USE WITH P2-20/0
A 57B	5		P4-404					.18	NO		34	
			SHLD A57					.25	NO			
A 57L			P2-19/0					.23	NO		17, 16	
			P4-504					.18	NO		12	
A 57R			P2-19/I					.22	NO		20, 18, 13	
			P4-604					.18	NO		12	
A 58	2				4.30	4.00				A,6B	21, 23	
					4.30	4.00				A,6B	21, 23	
A 58A	6		SHLD A58					.25	NO			
			P2-20/0					.23	NO		17, 16	USE WITH P2-20/I
A 58B	5		P4-104					.18	NO		34	
			SHLD A58					.25	NO			
A 58L			P2-21/0					.23	NO		17, 16	
			P4-204					.18	NO		12	
A 58R			P2-21/I					.22	NO		20, 18, 13	
			P4-304					.18	NO		12	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 21 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 59A	6		SHLD A59 P2-23/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-23/0
A 59B	5		P4-403 SHLD A59					.18 .25	NO NO		34	
A 59L			P2-22/0 P4-503					.23 .18	NO NO		17, 16 12	
A 59R			P2-22/I P4-603					.22 .18	NO NO		20, 18, 13 12	
A 60	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 60A	6		SHLD A60 P2-23/0					.25 .23	NO NO		17, 16	USE WITH P2-23/I
A 60B	5		P4-103 SHLD A60					.18 .25	NO NO		34	
A 60L			P2-24/0 P4-203					.23 .18	NO NO		17, 16 12	
A 60R			P2-24/I P4-303					.22 .18	NO NO		20, 18, 13 12	
A 61	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 61A	6		SHLD A61 P2-26/I					.25 .22	NO NO		20, 18, 13	USE WITH P2-26/0

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 22 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61B	5		P4-402 SHLD A61					.18 .25	NO NO		34	
A 61L			P2-25/0 P4-502					.23 .18	NO NO		17, 16 12	
A 61R			P2-25/I P4-602					.22 .18	NO NO		20, 18, 13 12	
A 62	2				4.30 4.30	4.00 4.00				A,6B A,6B	21, 23 21, 23	
A 62A	6		SHLD A62 P2-26/0					.25 .23	NO NO		17, 16	USE WITH P2-26/I
A 62B	5		P4-102 SHLD A62					.18 .25	NO NO		34	
A 62L			P2-27/0 P4-202					.23 .18	NO NO		17, 16 12	
A 62R			P2-27/I P4-302					.22 .18	NO NO		20, 18, 13 12	
A 63	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 63A	6		SHLD A63 P2-29/I					.25 .22	NO NO		20, 18, 13	
A 63B	5		P4-401 SHLD A63					.18 .25	NO NO		34	USE WITH P2-29/0
A 63L			P2-28/0 P4-501					.23 .18	NO NO		17, 16 12	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR E
SHEET 23 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 63R			P2-28/I P4-601					.22 .18	NO NO		20, 18, 13 12	
A 64	2				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 64A	6		SHLD A64 P2-29/0					.25 .23	NO NO		17, 16	USE WITH P2-29/I
A 64B	5		P4-101 SHLD A64					.18 .25	NO NO		34	
A 64L			P2-30/0 P4-201					.23 .18	NO NO		17, 16 12	
A 64R			P2-30/I P4-301					.22 .18	NO NO		20, 18, 13 12	
A 65	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 65L			P2-33/0 P4-611					.23 .18	NO NO		17, 16 12	
A 65R			P2-33/I P4-411					.22 .18	NO NO		20, 18, 13 12	
A 65Y			P2-34 P4-511					.19 .18	NO NO		38 12	
A 66	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 66L			P2-35/0 P4-112					.23 .18	NO NO		17, 16 12	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR G
SHEET 24 OF 43

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 66R			P2-35/I P4-212					.22 .18	NO NO		20, 18, 13 12	
A 67	2				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 67L			P2-36/0 P4-312					.23 .18	NO NO		17, 16 12	
A 67R			P2-36/I P4-412					.22 .18	NO NO		20, 18, 13 12	
A 68	4				4.80 4.80	4.50 4.50				B,7 B,7	23 23	
A 68L			P2-37/0 P4-612					.23 .18	NO NO		17, 16 12	
A 68R			P2-37/I P4-113					.22 .18	NO NO		20, 18, 13 12	
A 68Y			P2-38 P4-512					.19 .18	NO NO		38 12	
A 69	2				5.30 5.30	5.00 5.00				B,7 B,7	23 23	
A 69L			P2-39/0 P4-213					.23 .18	NO NO		17, 16 12	
A 69R			P2-39/I P4-313					.22 .18	NO NO		20, 18, 13 12	
A 70	2				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

SIZE A
CODE IDENT NO. 99974
2900661
SCALE-NONE
REV LTR G
SHEET 25 OF 43

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 70A	5		SHLD A70 P2-32					.25 .19	NO NO		 32	
A 70B	5		P4-111 SHLD A70					.18 .25	NO NO		34	
A 70L			P2-31/0 P4-211					.23 .18	NO NO		17, 16 12	
A 70R			P2-31/I P4-311					.22 .18	NO NO		20, 18, 13 12	
A 71	6		P2-40/I P4-522					.22 .18	NO NO		20, 18, 13 12	USE WITH P2-40/0
A 72	6		P2-40/0 P4-622					.23 .18	NO NO		17, 16 12	 USF WITH P2-40/I
A 73	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 73A	6		SHLD A73 P2-42/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-42/0
A 73B	5		P4-634 SHLD A73					.18 .25	NO NO		34	
A 73L			P2-41/0 P4-534					.23 .18	NO NO		17, 16 12	
A 73R			P2-41/I P4-434					.22 .18	NO NO		20, 18, 13 12	
A 74	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 26 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 74A	6		SHLD A74 P2-42/0					.25 .23	NO NO		 17, 16	
A 74B	5		P4-335 SHLD A74					.18 .25	NO NO		34	
A 74L			P2-43/0 P4-235					.23 .18	NO NO		17, 16 12	
A 74R			P2-43/I P4-135					.22 .18	NO NO		20, 18, 13 12	
A 75	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 75A	5		SHLD A75 P2-45					.25 .19	NO NO		 32	
A 75B	5		P4-635 SHLD A75					.18 .25	NO NO		34	
A 75L			P2-44/0 P4-535					.23 .18	NO NO		17, 16 12	
A 75R			P2-44/I P4-435					.22 .18	NO NO		20, 18, 13 12	
A 76	5		P2-53 P4-236					.19 .18	NO NO		32 34	
A 77	5		P2-54 P4-436					.19 .18	NO NO		32 34	
A 78			DELETED									

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR F | SHEET 27 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 79	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 79A	6		SHLD A79 P2-47/I					.25 .22	NO NO		 20, 18, 13	 USE WITH P2-47/0
A 79B	5		P4-137 SHLD A79					.18 .25	NO NO		34	
A 79L			P2-46/0 P4-337					.23 .18	NO NO		17, 16 12	
A 79R			P2-46/I P4-237					.22 .18	NO NO		20, 18, 13 12	
A 80	2				5.30 5.30	5.00 5.00				A,68 A,68	21, 23 21, 23	
A 80A	6		SHLD A80 P2-47/0					.25 .23	NO NO		 17, 16	 USE WITH P2-47/I
A 80B	5		P4-637 SHLD A80					.18 .25	NO NO		34	
A 80L			P2-48/0 P4-537					.23 .18	NO NO		17, 16 12	
A 80R			P2-48/I P4-437					.22 .18	NO NO		20, 18, 13 12	
A 81	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 81A	5		SHLD A81 P3-G33					.25 .18	NO NO		 34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR E | SHEET 28 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81B	5		P4-341 SHLD A81					.18 .25	NO NO		34	
A 81L			P3-K33 P4-241					.18 .18	NO NO		34 34	
A 81R			P3-H33 P4-141					.18 .18	NO NO		34 34	
A 82	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 82A	5		SHLD A82 P3-G34					.25 .18	NO NO		 34	
A 82B	5		P4-641 SHLD A82					.18 .25	NO NO		34	
A 82L			P3-H34 P4-541					.18 .18	NO NO		34 34	
A 82R			P3-K34 P4-441					.18 .18	NO NO		34 34	
A 83	1				4.80 4.80	4.50 4.50				A,68 A,68	21, 23 21, 23	
A 83A	5		SHLD A83 P3-F27					.25 .18	NO NO		 34	
A 83B	5		P4-343 SHLD A83					.18 .25	NO NO		34	
A 83L			P3-F29 P4-243					.18 .18	NO NO		34 34	

SIZE A | CODE IDENT NO. 99974 | 2900661

SCALE-NONE | REV LTR F | SHEET 29 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 83R			P3-F28 P4-143					.18 .18	NO NO		34 34	
A 84	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 84A	5		SHLD A84 P3-F33					.25 .18	NO NO		 34	
A 84B	5		P4-643 SHLD A84					.18 .25	NO NO		34	
A 84L			P3-F32 P4-543					.18 .18	NO NO		34 34	
A 84R			P3-F31 P4-443					.18 .18	NO NO		34 34	
A 85	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 85A	5		SHLD A85 P3-G25					.25 .18	NO NO		 34	
A 85B	5		P4-345 SHLD A85					.18 .25	NO NO		34	
A 85L			P3-K25 P4-245					.18 .18	NO NO		34 34	
A 85R			P3-H25 P4-145					.18 .18	NO NO		34 34	
A 86	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 86A	5		SHLD A86 P3-G26					.25 .18	NO NO		 34	
A 86B	5		P4-645 SHLD A86					.18 .25	NO NO		34	
A 86L			P3-H26 P4-545					.18 .18	NO NO		34 34	
A 86R			P3-K26 P4-445					.18 .18	NO NO		34 34	
A 87	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 87A	5		SHLD A87 P3-G31					.25 .18	NO NO		 34	
A 87B	5		P4-340 SHLD A87					.18 .25	NO NO		34	
A 87L			P3-K31 P4-240					.18 .18	NO NO		34 34	
A 87R			P3-H31 P4-140					.18 .18	NO NO		34 34	
A 88	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 88A	5		SHLD A88 P3-G32					.25 .18	NO NO		 34	
A 88B	5		P4-640 SHLD A88					.18 .25	NO NO		34	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 88L			P3-H32 P4-540					.18 .18	NO NO		34 34	
A 88R			P3-K32 P4-440					.18 .18	NO NO		34 34	
A 89	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 89A	5		SHLD A89 P3-G29					.25 .18	NO NO		 34	
A 89B	5		P4-342 SHLD A89					.18 .25	NO NO		34	
A 89L			P3-K29 P4-242					.18 .18	NO NO		34 34	
A 89R			P3-H29 P4-142					.18 .18	NO NO		34 34	
A 90	1				4.80 4.80	4.50 4.50				A,6B A,6B	21, 23 21, 23	
A 90A	5		SHLD A90 P3-G30					.25 .18	NO NO		 34	
A 90B	5		P4-642 SHLD A90					.18 .25	NO NO		34	
A 90L			P3-H30 P4-542					.18 .18	NO NO		34 34	
A 90R			P3-K30 P4-442					.18 .18	NO NO		34 34	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 91	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 91A	5		SHLD A91 P3-G27					.25 .18	NO NO		 34	
A 91B	5		P4-344 SHLD A91					.18 .25	NO NO		34	
A 91L			P3-K27 P4-244					.18 .18	NO NO		34 34	
A 91R			P3-H27 P4-144					.18 .18	NO NO		34 34	
A 92	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 92A	5		SHLD A92 P3-G28					.25 .22	NO NO		 34	
A 92B	5		P4-644 SHLD A92					.18 .25	NO NO		34	
A 92L			P3-H28 P4-544					.18 .18	NO NO		34 34	
A 92R			P3-K28 P4-444					.18 .18	NO NO		34 34	
A 93	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 93A	5		SHLD A93 P3-F3					.25 .18	NO NO		 34	

LEAD IDENT	WIRE MAT'L ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 93B	5		P4-346 SHLD A93					.18 .25	NO NO		34	
A 93L			P3-F2 P4-246					.18 .18	NO NO		34 34	
A 93R			P3-F1 P4-146					.18 .18	NO NO		34 34	
A 94	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 94A	5		SHLD A94 P3-K3					.25 .18	NO NO		 34	
A 94B	5		P4-646 SHLD A94					.18 .25	NO NO		34	
A 94L			P3-K4 P4-546					.18 .18	NO NO		34 34	
A 94R			P3-H4 P4-446					.18 .18	NO NO		34 34	
A 95	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 95A	5		SHLD A95 P3-G3					.25 .18	NO NO		 34	
A 95B	5		P4-348 SHLD A95					.18 .25	NO NO		34	
A 95L			P3-G1 P4-248					.18 .18	NO NO		34 34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR E		SHEET 34 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95R			P3-G2 P4-148					.18 .18	NO NO		34 34	
A 96	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 96A	5		SHLD A96 P3-H3					.25 .18	NO NO		 34	
A 96B	5		P4-648 SHLD A96					.18 .25	NO NO		34	
A 96L			P3-H2 P4-548					.18 .18	NO NO		34 34	
A 96R			P3-H1 P4-448					.18 .18	NO NO		34 34	
A 97	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 97A	5		SHLD A97 P3-G6					.25 .18	NO NO		 34	
A 97B	5		P4-633 SHLD A97					.18 .25	NO NO		34	
A 97L			P3-K6 P4-533					.18 .18	NO NO		34 34	
A 97R			P3-H6 P4-433					.18 .18	NO NO		34 34	
A 98	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 35 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 98A	5		SHLD A98 P3-G5					.25 .18	NO NO		 34	
A 98B	5		P4-334 SHLD A98					.18 .25	NO NO		34	
A 98L			P3-H5 P4-234					.18 .18	NO NO		34 34	
A 98R			P3-K5 P4-134					.18 .18	NO NO		34 34	
A 99	1				5.30 5.30	5.00 5.00				A,6B B,7	21, 23 23	
A 99A	5		SHLD A99 P3-C26					.25 .18	NO NO		 34	
A 99L	5		P3-A26 P4-238					.18 .18	NO NO		34 34	
A 99R			P3-B26 P4-338					.18 .18	NO NO		34 34	
A 100	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 100A	5		SHLD A100 P3-C25					.25 .18	NO NO		 34	
A 100B	5		P4-329 SHLD A100					.18 .25	NO NO		34	
A 100L			P3-B25 P4-229					.18 .18	NO NO		34 34	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 36 OF 43

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 100R			P3-A25 P4-129					.18 .18	NO NO		34 34	
A 101	1				5.30 5.30	5.00 5.00				A,6B A,6B	21, 23 21, 23	
A 101A	5		SHLD A101 P3-C39					.25 .18	NO NO		 34	
A 101B	5		P4-629 SHLD A101					.18 .25	NO NO		34	
A 101L			P3-A39 P4-529					.18 .18	NO NO		34 34	
A 101R			P3-B39 P4-429					.18 .18	NO NO		34 34	
A 102	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	
A 102A	5		SHLD A102 P3-D40					.25 .18	NO NO		 34	
A 102B	5		P4-330 SHLD A102					.18 .25	NO NO		34	
A 102L			P3-C41 P4-230					.18 .18	NO NO		34 34	
A 102R			P3-D41 P4-130					.18 .18	NO NO		34 34	
A 103	1				5.80 5.80	5.50 5.50				A,6B A,6B	21, 23 21, 23	

SIZE A	CODE IDENT NO. 99974	2900661	
SCALE-NONE	REV LTR F		SHEET 37 OF 43

MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 103A	5		SHLD A103					.25	NO			
			P3-C24					.18	NO		34	
A 103B	5		P4-630					.18	NO		34	
			SHLD A103					.25	NO			
A 103L			P3-D24					.18	NO		34	
			P4-530					.18	NO		34	
A 103R			P3-B24					.18	NO		34	
			P4-430					.18	NO		34	
A 104	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 104A	5		SHLD A104					.25	NO			
			P3-C38					.18	NO		34	
A 104B	5		P4-331					.18	NO		34	
			SHLD A104					.25	NO			
A 104L			P3-B38					.18	NO		34	
			P4-231					.18	NO		34	
A 104R			P3-A38					.18	NO		34	
			P4-131					.18	NO		34	
A 105	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 105A	5		SHLD A105					.25	NO			
			P3-C40					.18	NO		34	
A 105B	5		P4-631					.18	NO		34	
			SHLD A105					.25	NO			

SIZE A | CODE IDENT NO. 99974 | 2900661
SCALE-NONE | REV LTR E | SHEET 38 OF 43
MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105L			P3-B40					.18	NO		34	
			P4-531					.18	NO		34	
A 105R			P3-B41					.18	NO		34	
			P4-431					.18	NO		34	
A 106	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 106L			P3-H8					.18	NO		34	
			P4-328					.18	NO		34	
A 106R			P3-K8					.18	NO		34	
			P4-228					.18	NO		34	
A 107	1				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 107L			P3-K10					.18	NO		34	
			P4-528					.18	NO		34	
A 107R			P3-K9					.18	NO		34	
			P4-428					.18	NO		34	
A 108	5		P3-D25					.18	NO		34	
			P4-136					.18	NO		34	
A 109	5		P3-F25					.18	NO		34	
			P4-336					.18	NO		34	
A 110	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 110A	5		SHLD A110					.25	NO			
			P3-C4					.18	NO		34	

SIZE A | CODE IDENT NO. 99974 | 2900661
SCALE-NONE | REV LTR E | SHEET 39 OF 43
MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 110B	5		P4-332					.18	NO		34	
			SHLD A110					.25	NO			
A 110L			P3-B4					.18	NO		34	
			P4-232					.18	NO		34	
A 110R			P3-A4					.18	NO		34	
			P4-132					.18	NO		34	
A 111	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 111A	5		SHLD A111					.25	NO			
			P3-C5					.18	NO		34	
A 111B	5		P4-632					.18	NO		34	
			SHLD A111					.25	NO			
A 111L			P3-A5					.18	NO		34	
			P4-532					.18	NO		34	
A 111R			P3-B5					.18	NO		34	
			P4-432					.18	NO		34	
A 112	1				5.80	5.50				A,6B	21, 23	
					5.80	5.50				A,6B	21, 23	
A 112A	5		SHLD A112					.25	NO			
			P3-C6					.18	NO		34	
A 112B	5		P4-233					.18	NO		34	
			SHLD A112					.25	NO			
A 112L			P3-B6					.18	NO		34	
			P4-233					.18	NO		34	

SIZE A | CODE IDENT NO. 99974 | 2900661
SCALE-NONE | REV LTR F | SHEET 40 OF 43
MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 112R			P3-A6					.18	NO		34	
			P4-133					.18	NO		34	
A 113	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 113L			P3-D5					.18	NO		34	
			P4-221					.18	NO		34	
A 113R			P3-D6					.18	NO		34	
			P4-620					.18	NO		34	
A 113Y			P3-D4					.18	NO		34	
			P4-421					.18	NO		34	
A 114	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 114L			P3-F4					.18	NO		34	
			P4-222					.18	NO		34	
A 114R			P3-F5					.18	NO		34	
			P4-621					.18	NO		34	
A 114Y			P3-F6					.18	NO		34	
			P4-119					.18	NO		34	
A 115	5		P3-A3					.18	NO		34	
			P4-422					.18	NO		34	
A 116	3				5.80	5.50				B,7	23	
					5.80	5.50				B,7	23	
A 116L			P3-F7					.18	NO		34	
			P4-321					.18	NO		34	

SIZE A | CODE IDENT NO. 99974 | 2900661
SCALE-NONE | REV LTR E | SHEET 41 OF 43
MIL 2084 9-65

CABLE ASSEMBLY W154 2900661 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 116R			P3-G7					.18	NO		34	
			P4-121					.18	NO		34	
A 116Y			P3-F8					.18	NO		34	
			P4-521					.18	NO		34	
A 117	7				5.80	5.50				A,6B	21, 24	
					5.80	5.50				B,7	24	
A 117A	5		SHLD A117					.25	NO			
			P3-D27					.18	NO		34	
A 117W			P3-D26					.18	NO		34	
			P4-138					.18	NO		34	

SIZE	CODE IDENT NO.	
A	99974	2900661
SCALE-NONE	REV LTR F	SHEET 42 OF ~~44~~ 43

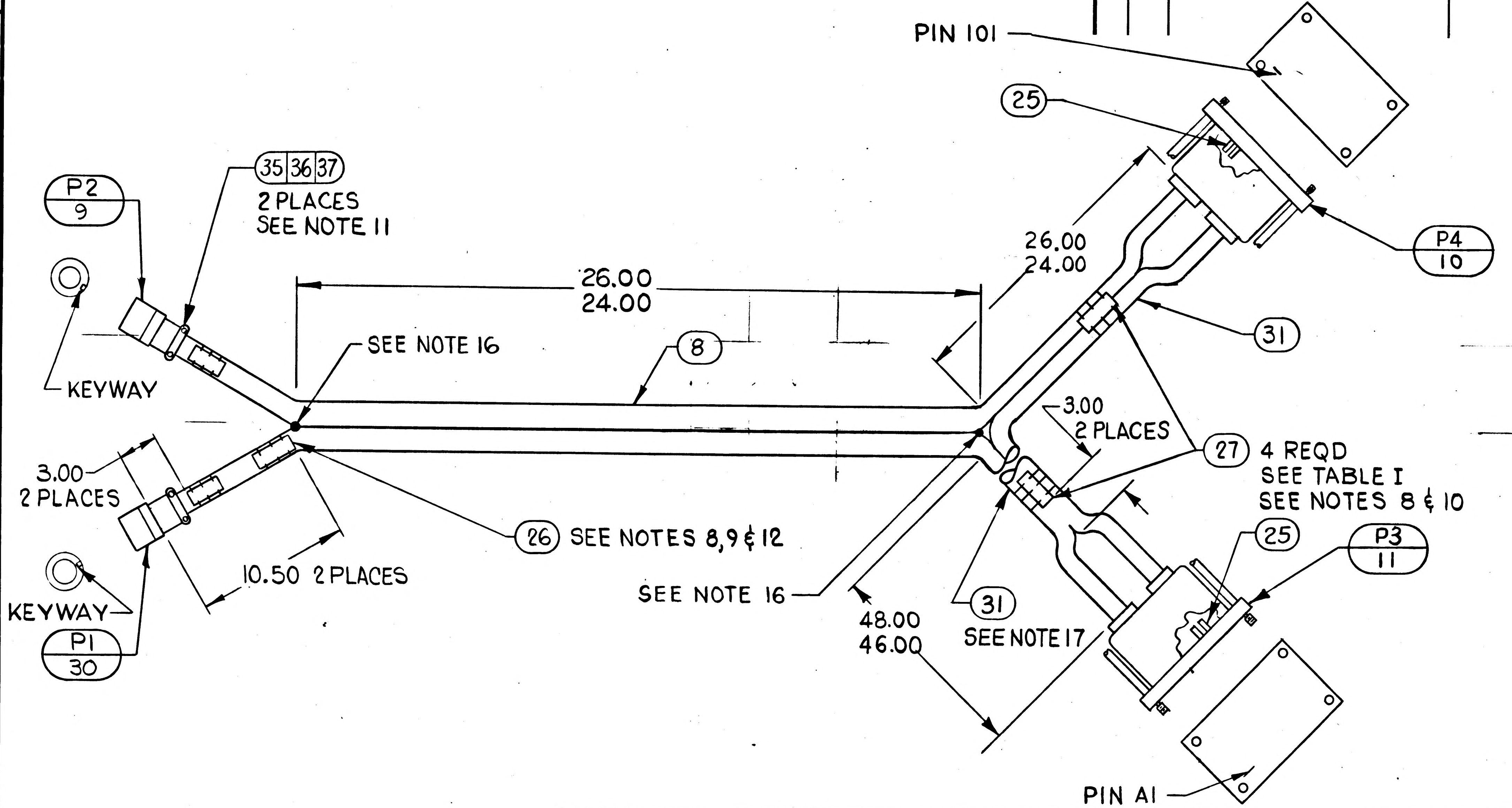
MIL 2084 9-65

TABLE I

PLUG NO.	MARKING
P1	W154-P1 (J19-GDB)
P2	W154-P2 (J20-GDB)
P3	W154-P3 (J4-PSA)
P4	W154-P4 (J53-ECDU)

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.


PIN 101
25
P4
10
26.00
24.00
31
35 36 37
2 PLACES
SEE NOTE 11
P2
9
KEYWAY
26.00
24.00
SEE NOTE 16
8
3.00
2 PLACES
27 4 REQD
SEE TABLE I
SEE NOTES 8 & 10
3.00
2 PLACES
26 SEE NOTES 8,9 & 12
10.50 2 PLACES
KEYWAY
P1
30
SEE NOTE 16
48.00
46.00
31
SEE NOTE 17
25
P3
11
PIN A1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.50 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

NEXT ASSY | USED ON
APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J Wolski DATE 8 OCT 65
CHECKED Ed Foster 15 OCT 65
APPROVAL E Swanson 15 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJJ (Phone Approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL,
BRANCHED - W154

CODE IDENT NO. 99974
SIZE C
2900661
SCALE NONE
SHEET 43 of 43

MIL 1077C-F

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 207271	8 DEC 65	EF
B	REVISED PER MXC 207592	13 DEC 65	EM / JAC
C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	EM

[illegible] 29 Nov 65

REV																		
SHEET																		
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS
BLOCK II

DRAWN R.L. Beker DATE 23 NOV 65
CHECKED C. Piojda 29 Nov 65
APPROVAL E Swanson 29 Nov 65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL BRANCHED-W155

NASA APPROVAL a. Metzger - R+S (Phone approval)
MIT APPROVAL W Kupfer 20 Dec 65

CODE IDENT NO. 99974
SIZE A
2900662
REV C

CONTRACT NAS9-497
SCALE NONE
SHEET 1 OF 17

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

6 ITEMS 11, AND 17 FURNISHED WITH ITEMS 7, 9, AND 10

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

9 SERIALIZE PER ND1002023

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE

11 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~A~~ C	SHEET 2 OF 17 ~~15~~

NOTE NUMBER — GENERAL NOTES DESCRIPTION

13 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED IN TABLE I .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE

14 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

15 ASSEMBLE PER ND1002032

16 APPLY ITEM 31 TO LEAD END

17 SPOT TIE AT 6 INCH INTERVALS USING ITEM 24.

18 TYPICAL INSTALLATION OF CONTACTS
A - ASSEMBLE OUTER HYRING OVER BOTH LEADS
B - ASSEMBLE OUTER SLEEVE, INNER SLEEVE, AND INNER CONTACT TO INNER LEAD IN ORDER LISTED. CRIMP CONTACT.
C - ASSEMBLE OUTER CONTACT TO INNER CONTACT. SLIDE OUTER SLEEVE OVER OUTER CONTACT UNTIL SEATED. LAY OUTER LEAD AGAINST OUTER CONTACT IN OPEN SECTION OF OUTER SLEEVE.
D - SLIDE HYRING FORWARD AGAINST SPRING AND CRIMP.

19 IN CIRCUIT POINT FIELD
I - INNER CONTACT
O - OUTER CONTACT

20 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003 + OR - .001 THICKNESS OF ALUMINUM FOIL.

21 ~~ZIPPER TUBING ENDS MUST BE CUT TO PROVIDE A SIX INCH + OR - 1 IN. BRAID PIGTAIL AT EACH END.~~
SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E3-B, E4-B, E5-B, E6-B, E7-B, E8-B RESPECTIVELY.

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~A~~ C	SHEET 3 OF 17 ~~15~~

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~A~~ C	SHEET 4 OF 17 ~~15~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900662-001	WIRE, ND1002181 TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, ~~420~~ 510 FT. TOTAL LENGTH
	2	1	2900662-002	WIRE, ND1002181 TYPE 1, CLASS 1, 22AWG, WHT., 16 ~~15~~ FT. TOTAL LENGTH
	3	1	2900662-003	WIRE, ND1002181 TYPE 1, CLASS 1, 20AWG, WHT, 5 ~~1~~ FT. TOTAL LENGTH
	4	1	2900662-004	WIRE, ND1002181 TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	5	1	2900662-005	WIRE, ND1002181 TYPE 1, CLASS 1, 24AWG, WHT, 210 FT. TOTAL LENGTH
20	6	1	2900662-006	ZIPPER TUBING PER ND1002155, TYPE III, ~~GRAY~~ .750 DIA. 66 FT. TOTAL LENGTH
7	7	1	1897250-009	CONNECTOR PLUG, ELECT.
7	8	1	1897215-003	CONNECTOR PLUG, ELECT.
7	9	1	1897247-008	CONNECTOR PLUG, ELECT.
7	10	1	1897247-009	CONNECTOR PLUG, ELECT.
6	11	X	1897190- 1	CONTACT PIN
7	12	7	1016369-388	CONTACT, INNER FEMALE
7	13	7	1016369-288	CONTACT, OUTER MALE
7	14	7	1016369-712	INNER SUPPORT SLEEVE
7	15	7	1016369-713	OUTER SUPPORT SLEEVE
7	16	7	1016369-588	HYRING

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~A~~ C	SHEET 5 OF 17 ~~15~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	17	X	1897190- 2	CONTACT, SOCKET
7	18	~~2~~3	1010763- 1	SOLDER SLEEVE
7	19	~~23~~26	1010763- 2	SOLDER SLEEVE
7	20	~~34~~44	1010490-228	INSULATION SLEEVING, ELECT.
7	21	~~2~~3	1010490-232	INSULATION SLEEVING, ELECT.
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	4	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	1901390	FILLER TAPE
7	26	1	1897330-001	CLAMP, CABLE
7	27	1	1897331-001	ADAPTER, CABLE CLAMP
7	28	2	1016282- 14	GROMMET, RUBBER
7	29	1	1016282- 16	GROMMET, RUBBER
7	30	1	1016282- 24	GROMMET, RUBBER
7	31	AR	1016198- 1	GLYPTAL
7	32	2	1010933-103	CLAMP
7	33	1	1010933-104	CLAMP

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ★C	SHEET 6 OF ~~15~~ 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	~~1~~6	1016006-002	SPLICE REDUCER ~~[illegible]~~
~~7~~	~~35~~	~~1~~	~~1016006-003~~	~~SPLICE REDUCER~~
7	36	~~1~~6	1010490-~~236~~ 258	INSULATION SLEEVING, ELECT.
7	37	4	1015902-49	TERMINAL, LUG
7	38	6	1016369-420	CONTACT, PIN

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ★C	SHEET 7 OF ~~15~~ 17

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	SEE NOTE 14, TYP.
A	1A	2		SHLD A1 F1					.25 .25	NO NO			
A	1L			P1-3 P3-19					.15 .15	NO NO		11 17	
A	1R			P1-10 P3-20					.15 .15	NO NO		11 17	
A	2	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	2A	2		SHLD A2 E1					.25 .25	NO NO			
A	2L			P1-12 P3-38					.15 .15	NO NO		11 17	
A	2R			P1-13 P3-39					.15 .15	NO NO		11 17	
A	3	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	3A	2		SHLD A3 E1					.25 .25	NO NO			
A	3L			P1-7 P3-36					.15 .15	NO NO		11 17	
A	3R			P1-18 P3-37					.15 .15	NO NO		11 17	

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ★C	SHEET 8 OF ~~15~~ 17

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	4A	2		SHLD A4 E1					.25 .25	NO NO			
A	4L			P1-8 P3-60					.15 .15	NO NO		11 17	
A	4R			P1-9 P3-61					.15 .15	NO NO		11 17	
A	5	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	5A	2		SHLD A5 E2					.25 .25	NO NO			
A	5L			P1-5 P3-35					.15 .15	NO NO		11 17	
A	5R			P1-14 P3-18					.15 .15	NO NO		11 17	
A	6	1				2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	6A	2		SHLD A6 E2					.25 .25	NO NO			
A	6L			P1-16 P3-58					.15 .15	NO NO		11 17	
A	6R			P1-17 P3-59					.15 .15	NO NO		11 17	

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~A~~ C	SHEET 9 OF ~~15~~ 17

CABLE ASSEMBLY W155 2900662 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	2		P1-23 E2					.15 .25	NO NO		11	
A 8	5	~~8.00~~	P2-49/O ~~FREE END~~ E13					.23 .25	NO NO		16, 13	~~SEE NOTE 16~~
A 9	4				3.30 3.30	3.00 3.00				A,6B	19, 20, 16 20	
A 9A	2		SHLD A8 P2-49/I					.25 .22	NO NO		 15, 14, 12	
A 9L			P2-50/O P3-34					.23 .15	NO NO		13 17	
A 9R			P2-50/I P3-57					.22 .15	NO NO		15, 14, 12 17	
A 10	5		P2-46/O P3-29					.23 .15	NO NO		16, 13 17	USE WITH P2-46/I
A 11	5		P2-46/I P3-50					.22 .15	NO NO		15, 14, 12 17	USE WITH P2-46/O
A 12	5		P2-45/O P3-51					.23 .15	NO NO		16, 13 17	USE WITH P2-45/I
A 13	5		P2-45/I P3-28					.22 .15	NO NO		15, 14, 12 17	USE WITH P2-45/O
A 14	4				3.30 3.30	3.00 3.00				B,7 B,7	20, 16 20	
A 14L			P2-48/O P3-48					.23 .15	NO NO		13 17	

SIZE A	CODE IDENT NO. 99974	2900662	
SCALE-NONE	REV LTR ★C	SHEET 10 OF ~~15~~ 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 2900662 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14R			P2-48/I P3-49					.22 .15	NO NO		15, 14, 12 17	
A 15	4				3.30 3.30	3.00 3.00				B,7 B,7	20, 16 20	
A 15L			P2-43/O P3-31					.23 .15	NO NO		13 17	
A 15R			P2-43/I P3-52					.22 .15	NO NO		15, 14, 12 17	
A 16	5		P2-40/O P3-54					.23 .15	NO NO		16, 13 17	
A 17	5		P2-40/I P3-53					.22 .15	NO NO		15, 14, 12 17	
A 18	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 18A	2		SHLD A18 P3-23					.25 .15	NO NO		 17	
A 18B	2		P4-3 SHLD A18					.15 .25	NO NO		17	
A 18L			P3-43 P4-2					.15 .15	NO NO		17 17	
A 18R			P3-42 P4-1					.15 .15	NO NO		17 17	
A 19	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	

SIZE A	CODE IDENT NO. 99974	2900662	
SCALE-NONE	REV LTR ★C	SHEET 11 OF ~~15~~ 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 2900662 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19A	2		SHLD A19 P3-2					.25 .15	NO NO		 17	
A 19B	2		P4-6 SHLD A19					.15 .25	NO NO		17	
A 19L			P3-9 P4-5					.15 .15	NO NO		17 17	
A 19R			P3-8 P4-4					.15 .15	NO NO		17 17	
A 20	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 20A	2		SHLD A20 P3-21					.25 .15	NO NO		 17	
A 20B	2		P4-9 SHLD A20					.15 .25	NO NO		17	
A 20L			P3-22 P4-8					.15 .15	NO NO		17 17	
A 20R			P3-40 P4-7					.15 .15	NO NO		17 17	
A 21	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 21A	2		SHLD A21 P3-12					.25 .15	NO NO		 17	
A 21B	2		P4-21 SHLD A21					.15 .25	NO NO		17	

SIZE A	CODE IDENT NO. 99974	2900662	
SCALE-NONE	REV LTR ★C	SHEET 12 OF ~~15~~ 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 2900662 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21L			P3-13 P4-20					.15 .15	NO NO		17 17	
A 21R			P3-27 P4-19					.15 .15	NO NO		17 17	
A 22	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 22A	2		SHLD A22 P3-26					.25 .15	NO NO		 17	
A 22B	2		P4-24 SHLD A22					.15 .25	NO NO			
A 22L			P3-46 P4-23					.15 .15	NO NO		 17	
A 22R			P3-47 P4-22					.15 .15	NO NO		17 17	
A 23	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 23A	2		SHLD A23 P3-24					 .15	 NO		17	
A 23B	2		P4-12 SHLD A23					.15 .25	NO NO		17	
A 23L			P3-25 P4-11					 .15	 NO		17 17	
A 23R			P3-44 P4-10					 .15	 NO		17 17	

SIZE A	CODE IDENT NO. 99974	2900662	
SCALE-NONE	REV LTR ★C	SHEET 13 OF ~~15~~ 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 ▼ 2900662 ~~A~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 24A	2		SHLD A24 P3-5					 .15	NO NO		 17	
A 24B	2		P4-15 SHLD A24					.15 .25	NO NO		17	
A 24L			P3-1 P4-14					.15 .15	NO NO		17 17	
A 24R			P3-4 P4-13					.15 .15	NO NO		17 17	
A 25	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 25A	2		SHLD A25 P3-3					.25 .15	NO NO		 17	
A 25B	2		P4-18 SHLD A25					.15 .25	NO NO		17	
A 25L			P3-10 P4-17					.15 .15	NO NO.		17 17	
A 25R			P3-11 P4-16					.15 .15	NO NO		17 17	
A 26	3		E1 E2					.25 .25	NO NO			

SIZE	CODE IDENT NO.		
A	99974	2900662	
SCALE-NONE	REV LTR ~~A~~ C	SHEET 14 OF ~~15~~ 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 ~~LEAD SET AA~~ ▼ 2900662 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS CHANNELS
A27	3		E3-BB E5-BB					.38 .38	NO NO			
A28	3		E4-BB E5-BB					.38 .38	NO NO			
A29	3		E5-BB E9					.38 .20	NO NO			
A30	3		E6-BB E10					.38 .20	NO NO			
A31	3		E7-BB E11					.38 .20	NO NO			
A32	3		E8-BB E12					.38 .20	NO NO			
A33	1				3.80 3.80	3.50 3.50				A,6A B,7	19,20 20	
A33A	2		SHLD A33 E13					.25 .25	NO NO			
A33L			P2-52 P3-16					.19 .15	NO NO		38 11	
A33R			P2-51 P3-15					.19 .15	NO NO		38 11	
A34	1				3.80 3.80	3.50 3.50				A,6A B,7	19,20 20	
A34A	2		SHLD A34 E13					.25 .25	NO NO			

SIZE	CODE IDENT NO.		
A	~~[illegible]~~ 99974	~~MX 114481~~ 2900662	
SCALE-NONE	REV LTR + C	SHEET 15 OF 17	

MIL 2084 9-65

CABLE ASSEMBLY W155 ~~WIRING HARNESS D~~ ▼ 2900662 ~~2900719~~ ~~H~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A34L			P2-54 P3-14					.19 .15	NO NO		38 11	
A34R			P2-53 P3-30					.19 .15	NO NO		38 11	
A35	1				3.80 3.80	3.50 3.50				A,6A B,7	19,20 20	
A35A	2		SHLD A35 E13					.25 .25	NO NO		38 11	
A35L			P2-30 P3-7					.19 .15	NO NO		38 11	
A35R			P2-28 P3-6					.19 .15	NO NO			

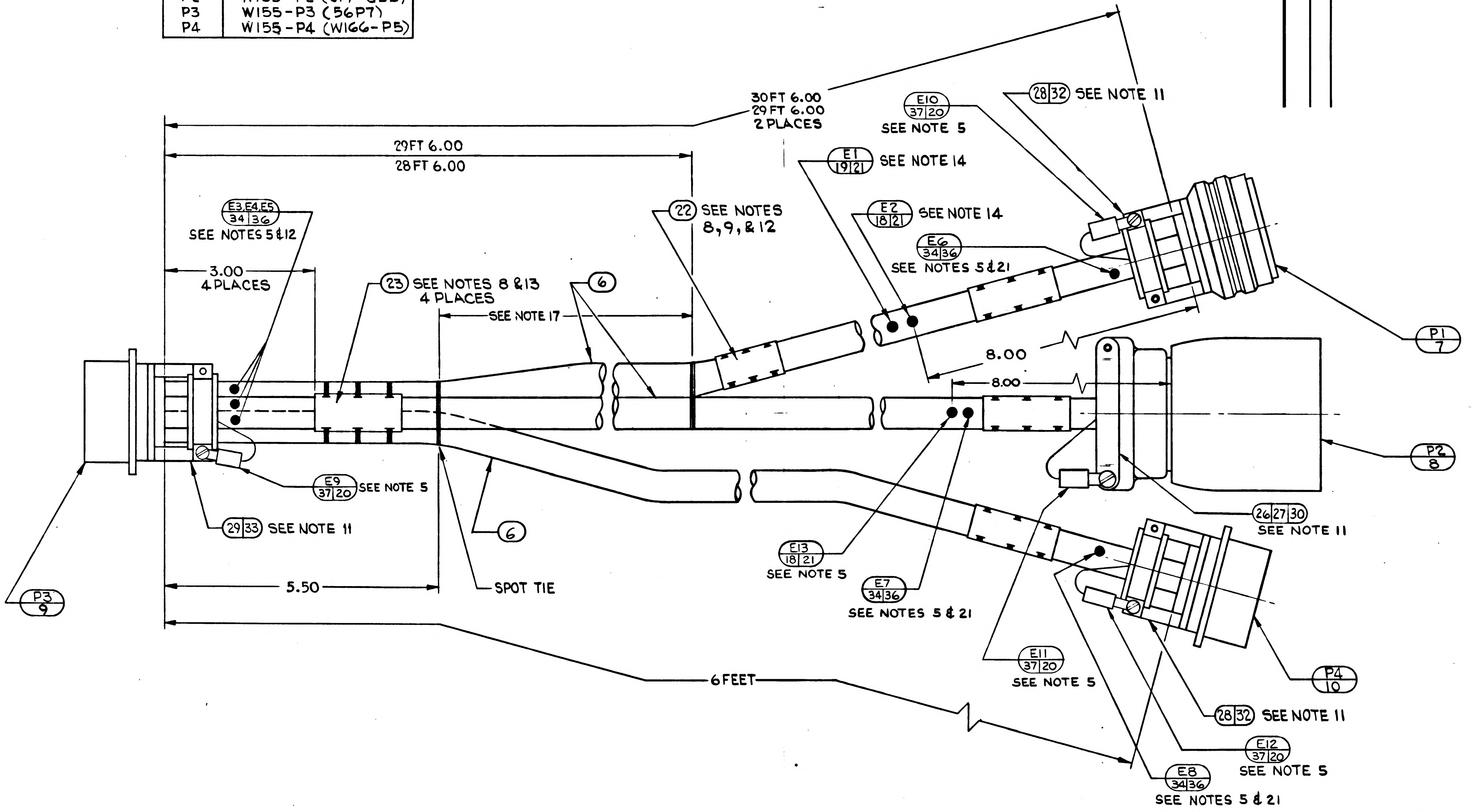
MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900662 ~~2900731~~	16 OF 17
SCALE-NONE	REV LTR ~~+~~ C	SHEET ~~OF 72~~	

MIL 2084 4-63

REVISIONS TORR 24761					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
SEE		SHEET 1 FOR REVISION STATUS			

TABLE I

PLUG NO.	MARKING
P1	W155 - P1 (J14 - GDB)
P2	W155 - P2 (J19 - GDB)
P3	W155 - P3 (56P7)
P4	W155 - P4 (W166 - P5)



30 FT 6.00
29 FT 6.00
2 PLACES
29 FT 6.00
28 FT 6.00
E10 37 20 SEE NOTE 5
28 32 SEE NOTE 11
E1 19 21 SEE NOTE 14
E2 18 21 SEE NOTE 14
E6 34 36 SEE NOTES 5 & 21
E3, E4, E5 34 36 SEE NOTES 5 & 12
22 SEE NOTES 8, 9, & 12
3.00 4 PLACES
23 SEE NOTES 8 & 13 4 PLACES
6
SEE NOTE 17
8.00
8.00
P1 7
P2 8
E9 37 20 SEE NOTE 5
29 33 SEE NOTE 11
6
26 27 30 SEE NOTE 11
E13 18 21 SEE NOTE 5
E7 34 36 SEE NOTES 5 & 21
5.50
SPOT TIE
P3 9
P4 10
E11 37 20 SEE NOTE 5
6 FEET
28 32 SEE NOTE 11
E12 37 20 SEE NOTE 5
E8 34 36 SEE NOTES 5 & 21

2900712-011	
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS ± .50 ± — | ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.G. Brieker DATE 24 Nov 65
CHECKED C. Propla 29 Nov 65
APPROVAL E. [illegible] 29 Nov 65
APPROVAL [illegible]
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL BRANCHED-W155

CODE IDENT NO. 99974
SIZE D
2900662
SCALE ~
SHEET 17 OF 17

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 207271	8 DEC 65	RP EF
B	REVISED PER MXC 207592	13 DEC 65	EM JAC
C	INITIAL RELEASE CLASS A PER TDRR 24764	14 DEC 65	EM
D	REVISED PER TDRR 26735	9 MAR 66	RP

29/10/65

REV STATUS OF SHEETS																		
REV	D	C	D	D	D	C	D	C	C	D	C	C	C	D	D	C	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R.L. Brown DATE 23 NOV 65
CHECKED C Piojda 29 NOV 65
APPROVAL E Swanson 29 Nov 65
APPROVAL J. M. Walton 12-20-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS
BLOCK II

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL BRANCHED-W155

CODE IDENT NO.	SIZE		REV
99974	A	2900662	D

SCALE NONE
SHEET 1 OF 17

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

6 ITEMS 11, AND 17 FURNISHED WITH ITEMS 7, 9, AND 10

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

9 SERIALIZE PER ND1002023

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE

11 FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 25 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

NOTE NUMBER | GENERAL NOTES DESCRIPTION

13 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED IN TABLE 1 .12 HIGH, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE

14 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

15 ASSEMBLE PER ND1002032

16 APPLY ITEM 31 TO LEAD END

17 SPOT TIE AT 6 INCH INTERVALS USING ITEM 24.

18 TYPICAL INSTALLATION OF CONTACTS
A - ASSEMBLE OUTER HYRING OVER BOTH LEADS
B - ASSEMBLE OUTER SLEEVE, INNER SLEEVE, AND INNER CONTACT TO INNER LEAD IN ORDER LISTED. CRIMP CONTACT.
C - ASSEMBLE OUTER CONTACT TO INNER CONTACT. SLIDE OUTER SLEEVE OVER OUTER CONTACT UNTIL SEATED. LAY OUTER LEAD AGAINST OUTER CONTACT IN OPEN SECTION OF OUTER SLEEVE.
D - SLIDE HYRING FORWARD AGAINST SPRING AND CRIMP.

19 IN CIRCUIT POINT FIELD
I - INNER CONTACT
O - OUTER CONTACT

20 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003 + OR - .001 THICKNESS OF ALUMINUM FOIL.

21 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM ONE END OF ITEMS 6(3 PLACES) AND 39 AND BOTH ENDS OF ITEM 40. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E3-EB, E4-BB, E5-B, E6-B, E7-B AND E8-B. ALSO SEE NOTE 23.

22 ZIPPER TUBING ENDS OF ITEM 6(3 REQD) AND 39 MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT ONE END OF EACH.

NOTE NUMBER | GENERAL NOTES DESCRIPTION

23 CRIMP BRAID PIGTAILS OF ITEMS 6, 39 AND 40 INTO E3 AND BRAID PIGTAILS OF ITEMS 6(2) AND 39 INTO E4.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900662-001	WIRE, ND1002181 TYPE 2, CLASS 4, WHT. JKT., 22AWG, WHT/BLU, WHT/RED, 510 FT. TOTAL LENGTH
	2	1	2900662-002	WIRE, ND1002181 TYPE 1, CLASS 1, 22AWG, WHT., 16 FT. TOTAL LENGTH
	3	1	2900662-003	WIRE, ND1002181 TYPE 1, CLASS 1, 20AWG, WHT, 5 FT. TOTAL LENGTH
	4	1	2900662-004	WIRE, ND1002181 TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 120 FT. TOTAL LENGTH
	5	1	2900662-005	WIRE, ND1002181 TYPE 1, CLASS 1, 24AWG, WHT, 210 FT. TOTAL LENGTH
20	6	1	2900662-006	ZIPPER TUBING PER ND1002155, TYPE 111, .750 DIA. 8.5 FT. TOTAL LENGTH
7	7	1	1897250-009	CONNECTOR PLUG, ELECT.
7	8	1	1897215-003	CONNECTOR PLUG, ELECT.
7	9	1	1897247-008	CONNECTOR PLUG, ELECT.
7	10	1	1897247-009	CONNECTOR PLUG, ELECT.
6	11	X	1897190- 1	CONTACT PIN
7	12	7	1016369-388	CONTACT, INNER FEMALE
7	13	7	1016369-288	CONTACT, OUTER MALE
7	14	7	1016369-712	INNER SUPPORT SLEEVE
7	15	7	1016369-713	OUTER SUPPORT SLEEVE

CABLE ASSEMBLY W155 2900662 ~~B~~

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	7	1016369-588	HYRING
6	17	X	1897190- 2	CONTACT, SOCKET
7	18	3	1010763- 1	SOLDER SLEEVE
7	19	26	1010763- 2	SOLDER SLEEVE
7	20	44	1010490-228	INSULATION SLEEVING, ELECT.
7	21	3	1010490-232	INSULATION SLEEVING, ELECT.
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	4	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	1901390	FILLER TAPE
7	26	1	1897330-001	CLAMP, CABLE
7	27	1	1897331-001	ADAPTER, CABLE CLAMP
7	28	2	1016282- 14	GROMMET, RUBBER
7	29	1	1016282- 16	GROMMET, RUBBER
7	30	1	1016282- 24	GROMMET, RUBBER
7	31	AR	1016198- 1	GLYPTAL
7	32	2	1010933-103	CLAMP
7	33	1	1010933-104	CLAMP

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~B~~	SHEET 6 OF 17

CABLE ASSEMBLY W155 2900662 D

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	34	4	1016006-002	SPLICE REDUCER
7	35	2	1016006-003	SPLICE REDUCER
7	36	4	1010490-258	INSULATION SLEEVING, ELECT.
7	37	4	1015902- 49	TERMINAL, LUG
7	38	6	1016369-420	CONTACT, PIN
20	39	1	2900662-007	ZIPPER TUBING PER ND1002155, TYPE III, 1.000 INCH DIAMETER 28.5 FT. TOTAL LENGTH.
20	40	1	2900662-008	ZIPPER TUBING PER ND1002155, TYPE III, 1.500 INCH DIA. 1 FT. TOTAL LENGTH.
7	41	2	1010490-266	INSULATION SLEEVING, ELECT

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR D	SHEET 7 OF 17

CABLE ASSEMBLY W155 2900662 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	SEE NOTE 14, TYP.
A	1A	2	SHLD A1 E1					.25 .25	NO NO			
A	1L		P1-3 P3-19					.15 .15	NO NO		11 17	
A	1R		P1-10 P3-20					.15 .15	NO NO		11 17	
A	2	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	2A	2	SHLD A2 E1					.25 .25	NO NO			
A	2L		P1-12 P3-38					.15 .15	NO NO		11 17	
A	2R		P1-13 P3-39					.15 .15	NO NO		11 17	
A	3	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	3A	2	SHLD A3 F1					.25 .25	NO NO			
A	3L		P1-7 P3-36					.15 .15	NO NO		11 17	
A	3R		P1-18 P3-37					.15 .15	NO NO		11 17	

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~B~~ C	SHEET 8 OF 17

CABLE ASSEMBLY W155 2900662 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	4A	2	SHLD A4 E1					.25 .25	NO NO			
A	4L		P1-8 P3-60					.15 .15	NO NO		11 17	
A	4R		P1-9 P3-61					.15 .15	NO NO		11 17	
A	5	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	5A	2	SHLD A5 E2					.25 .25	NO NO			
A	5L		P1-5 P3-35					.15 .15	NO NO		11 17	
A	5R		P1-14 P3-18					.15 .15	NO NO		11 17	
A	6	1			2.80 2.80	2.50 2.50				A,6A B,7	19, 20 20	
A	6A	2	SHLD A6 E2					.25 .25	NO NO			
A	6L		P1-16 P3-58					.15 .15	NO NO		11 17	
A	6R		P1-17 P3-59					.15 .15	NO NO		11 17	

SIZE	CODE IDENT NO.	
A	99974	2900662
SCALE-NONE	REV LTR ~~B~~ C	SHEET 9 OF 17

CABLE ASSEMBLY W155 2900662 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	2		P1-23 E2					.15 .25	NO NO		11	
A 8	5		P2-49/0 E13					.23 .25	NO NO		16, 13	USE WITH P2-49/I
A 9	4				3.30 3.30	3.00 3.00				A,6B	19, 20, 16 20	
A 9A	5		SHLD A9 P2-49/I					.25 .22	NO NO		 15, 14, 12	 USE WITH P2-49/0
A 9L			P2-50/0 P3-34					.23 .15	NO NO		13 17	
A 9R			P2-50/I P3-57					.22 .15	NO NO		15, 14, 12 17	
A 10	5		P2-46/0 P3-29					.23 .15	NO NO		16, 13 17	USE WITH P2-46/I
A 11	5		P2-46/I P3-50					.22 .15	NO NO		15, 14, 12 17	USE WITH P2-46/0
A 12	5		P2-45/0 P3-51					.23 .15	NO NO		16, 13 17	USE WITH P2-45/I
A 13	5		P2-45/I P3-26					.22 .15	NO NO		15, 14, 12 17	USE WITH P2-45/0
A 14	4				3.30 3.30	3.00 3.00				B,7 B,7	20, 16 20	
A 14L			P2-48/0 P3-48					.23 .15	NO NO		13 17	

SIZE A | CODE IDENT NO. 99974 | 2900662

SCALE-NONE | REV LTR D | SHEET 10 OF 17

CABLE ASSEMBLY W155 2900662 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 14R			P2-48/I P3-49					.22 .15	NO NO		15, 14, 12 17	
A 15	4				3.30 3.30	3.00 3.00				B,7 B,7	20, 16 20	
A 15L			P2-43/0 P3-31					.23 .15	NO NO		13 17	
A 15R			P2-43/I P3-52					.22 .15	NO NO		15, 14, 12 17	
A 16	5		P2-40/0 P3-54					.23 .15	NO NO		16, 13. 17	
A 17	5		P2-40/I P3-53					.22 .15	NO NO		15, 14, 12 17	
A 18	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 18A	2		SHLD A18 P3-23					.25 .15	NO NO		 17	
A 18B	2		P4-3 SHLD A18					.15 .25	NO NO		17	
A 18L			P3-43 P4-2					.15 .15	NO NO		17 17	
A 18R			P3-42 P4-1					.15 .15	NO NO		17 17	
A 19	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	

SIZE A | CODE IDENT NO. 99974 | 2900662

SCALE-NONE | REV LTR ~~B~~ | SHEET 11 OF 17

CABLE ASSEMBLY W155 2900662 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19A	2		SHLD A19 P3-2					.25 .15	NO NO		 17	
A 19B	2		P4-6 SHLD A19					.15 .25	NO NO		17	
A 19L			P3-9 P4-5					.15 .15	NO NO		17 17	
A 19R			P3-8 P4-4					.15 .15	NO NO		17 17	
A 20	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 20A	2		SHLD A20 P3-21					.25 .15	NO NO		 17	
A 20B	2		P4-9 SHLD A20					.15 .25	NO NO		17	
A 20L			P3-22 P4-8					.15 .15	NO NO		17 17	
A 20R			P3-40 P4-7					.15 .15	NO NO		17 17	
A 21	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 21A	2		SHLD A21 P3-12					.25 .15	NO NO		 17	
A 21B	2		P4-21 SHLD A21					.15 .25	NO NO		17	

SIZE A | CODE IDENT NO. 99974 | 2900662

SCALE-NONE | REV LTR ~~B~~ | SHEET 12 OF 17

CABLE ASSEMBLY W155 2900662 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21L			P3-13 P4-20					.15 .15	NO NO		17 17	
A 21R			P3-27 P4-19					.15 .15	NO NO		17 17	
A 22	1				2.80 2.80	2.50 2.50				A,6B A,6B	19, 20 19, 20	
A 22A	2		SHLD A22 P3-26					.25 .15	NO NO		 17	
A 22B	2		P4-24 SHLD A22					.15 .25	NO NO			
A 22L			P3-46 P4-23					.15 .15	NO NO		 17	
A 22R			P3-47 P4-22					.15 .15	NO NO		17 17	
A 23	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 23A	2		SHLD A23 P3-24					 .15	 NO		 17	
A 23B	2		P4-12 SHLD A23					.15 .25	NO NO		17	
A 23L			P3-25 P4-11					 .15	 NO		17 17	
A 23R			P3-44 P4-10					 .15	 NO		17 17	

SIZE A | CODE IDENT NO. 99974 | 2900662

SCALE-NONE | REV LTR ~~B~~ | SHEET 13 OF 17

CABLE ASSEMBLY W155 2900662 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 24A	2		SHLD A24 P3-5					 .15	NO NO		 17	
A 24B	2		P4-15 SHLD A24					.15 .25	NO NO		17	
A 24L			P3-1 P4-14					.15 .15	NO NO		17 17	
A 24R			P3-4 P4-13					.15 .15	NO NO		17 17	
A 25	1				3.30 3.30	3.00 3.00				A,6B A,6B	19, 20 19, 20	
A 25A	2		SHLD A25 P3-3					.25 .15	NO NO		 17	
A 25B	2		P4-18 SHLD A25					.15 .25	NO NO		17	
A 25L			P3-10 P4-17					.15 .15	NO NO		17 17	
A 25R			P3-11 P4-16					.15 .15	NO NO		17 17	
A 26	3		E1 E2					.25 .25	NO NO			
A 27			DELETED									

SIZE	CODE IDENT NO.		
A	99974	2900662	
SCALE-NONE	REV LTR	D	SHEET 14 OF 17

CABLE ASSEMBLY W155 2900662 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 28			DELETED									
A 29	3		E5-B8 E9					.38 .20	NO NO			
A 30	3		E6-B8 E10					.38 .20	NO NO			
A 31	3		E7-B8 E11					.38 .20	NO NO			
A 32	3		E8-B8 E12					.38 .20	NO NO			
A 33	1				3.80 3.80	3.50 3.50				A,6A 8,7	19, 20 20	
A 33A	2		SHLD A33 E13					.25 .25	NO NO			
A 33L			P2-52 P3-16					.19 .15	NO NO		38 11	
A 33R			P2-51 P3-15					.19 .15	NO NO		38 11	
A 34	1				3.80 3.80	3.50 3.50				A,6A 6,7	19, 20 20	
A 34A	2		SHLD A34 E13					.25 .25	NO NO			
A 34L			P2-54 P3-14					.19 .15	NO NO		38 11	

SIZE	CODE IDENT NO.		
A	99974	2900662	
SCALE-NONE	REV LTR	D	SHEET 15 OF 17

CABLE ASSEMBLY W155 2900662 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 34R			P2-53 P3-30					.19 .15	NO NO		38 11	
A 35	1				3.80 3.80	3.50 3.50				A,6A 8,7	19, 20 20	
A 35A	2		SHLD A35 E13					.25 .25	NO NO			
A 35L			P2-30 P3-7					.19 .15	NO NO		38 11	
A 35R			P2-28 P3-6					.19 .15	NO NO		38 11	

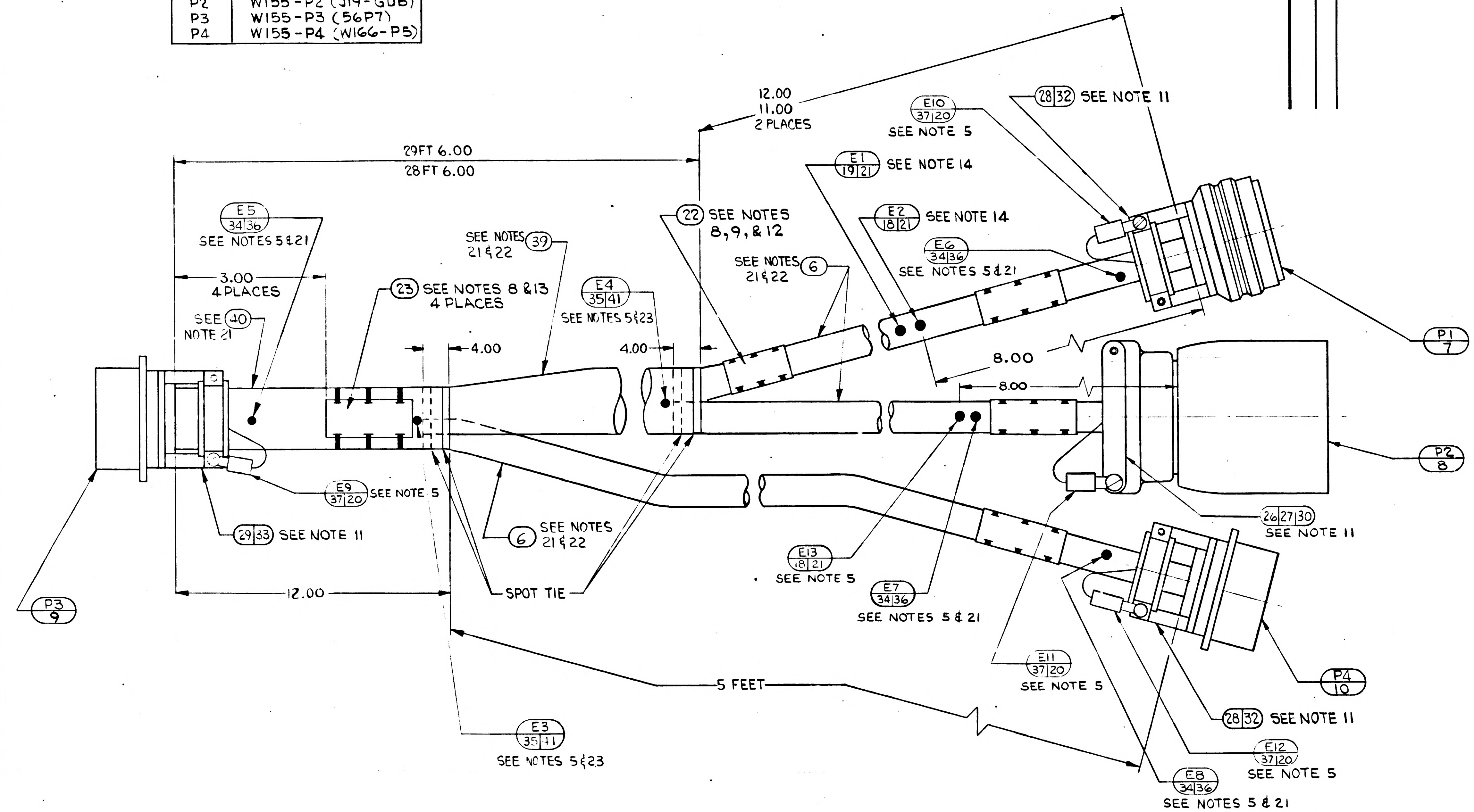
SIZE	CODE IDENT NO.		
A	99974	2900662	
SCALE-NONE	REV LTR	B	SHEET 16 OF 17

TABLE I

PLUG NO.	MARKING
P1	W155 - P1 (J14 - GDB)
P2	W155 - P2 (J19 - GDB)
P3	W155 - P3 (56P7)
P4	W155 - P4 (W166 - P5)

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
SEE		SHEET 1 FOR REVISION STATUS			



12.00
11.00
2 PLACES
29FT 6.00
28FT 6.00
E10 37|20 SEE NOTE 5
28|32 SEE NOTE 11
E1 19|21 SEE NOTE 14
E2 18|21 SEE NOTE 14
E6 34|36 SEE NOTES 5 & 21
22 SEE NOTES 8, 9, & 12
SEE NOTES 6 21 & 22
E5 34|36 SEE NOTES 5 & 21
SEE NOTES 39 21 & 22
3.00 4 PLACES
23 SEE NOTES 8 & 13 4 PLACES
E4 35|41 SEE NOTES 5 & 23
SEE 40 NOTE 21
4.00
4.00
8.00
8.00
P1 7
P2 8
E9 37|20 SEE NOTE 5
29|33 SEE NOTE 11
6 SEE NOTES 21 & 22
26|27|30 SEE NOTE 11
E13 18|21 SEE NOTE 5
E7 34|36 SEE NOTES 5 & 21
12.00
SPOT TIE
P3 9
E11 37|20 SEE NOTE 5
P4 10
5 FEET
28|32 SEE NOTE 11
E3 35|41 SEE NOTES 5 & 23
E12 37|20 SEE NOTE 5
E8 34|36 SEE NOTES 5 & 21

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL BRANCHED-W155

CODE IDENT NO. 99974
SIZE D
2900662
SCALE
SHEET 17 17

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV. A WITH CHANGE PER MXC 206467 PER TDRR	3 NOV. 65	JWP AU
		C	REVISED PER MXC 207315	14 DEC 65	RP JAC
		D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	JAC

(B) REPLACES REV "A" WITH CHANGE

Charleston
29 Oct. 65

REV	D	D	D
SHEET	24	25	26

REV STATUS OF SHEETS																							
REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN R. W. Turner DATE 28 OCT 65
CHECKED W. Diehl 29 Oct. 65
APPROVAL E. Swanson 29 Oct '65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED W156.

NASA APPROVAL a. Metzger / EJS (Phone approval)
MIT APPROVAL W. Wager 20 Dec '65

CODE IDENT NO. 99974
SIZE A
2900663
REV D

CONTRACT NAS 9-497
SCALE
SHEET 1 OF 26

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER - A - ND 1002071 B - ND 1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 33 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	SECURE TO CABLE USING ITEM 32 MARKING TO READ AWAY FROM CONNECTOR
11	SERIALIZE PER ND1002023
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION PER TABLE I .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	STAGGER E POINTS TO REDUCE BULK
16	SEPARATE ZIPPER TUBING TO TEAR STOP
17	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OF MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER
18	IN CIRCUIT POINT FIELD --- I - INNER CONTACT O - OUTER CONTACT.
19	TYPICAL INSTALLATION OF CONTACTS A - ASSEMBLE OUTER HYRING OVER BOTH LEADS B - ASSEMBLE OUTER SLEEVE, INNER SLEEVE, AND INNER CONTACT TO INNER LEAD IN ORDER LISTED. CRIMP CONTACT. C - ASSEMBLE OUTER CONTACT TO INNER CONTACT. SLIDE OUTER SLEEVE OVER OUTER CONTACT UNTIL SEATED. LAY OUTER LEAD AGAINST OUTER CONTACT IN OPEN SECTION OF OUTER SLEEVE. D - SLIDE HYRING FORWARD AGAINST SPRING AND CRIMP.
20	ASSEMBLE PER ND1002032.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900663-001	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 24AWG, WHT/BLU, WHT/RED, 210 FT. TOTAL LENGTH
	2	1	2900663-002	WIRE, ND1002181, TYPE 1, CLASS 1, 22 AWG, WHT., 42 FT. TOTAL LENGTH
	3	1	2900663-003	WIRE, ND1002181, TYPE 1, CLASS 4, WHT. JKT., 24AWG, WHT. 14 FT. TOTAL LENGTH
	4	1	2900663-004	WIRE, ND1002181, TYPE 3, CLASS 4 WHT JKT 24AWG, WHT/BLU, WHT/RED, WHT/YEL, 28 FT. TOTAL LENGTH
	5	1	2900663-005	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT. 42 FT. TOTAL LENGTH
	6	1	2900663-006	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. 16 FT. TOTAL LENGTH
	7	1	2900663-007	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 16AWG, WHT/BLU, WHT/RED, 35 FT. TOTAL LENGTH
	8	1	2900663-008	WIRE, ND1002181, TYPE 3, CLASS 4 WHT JKT 16AWG WHT/BLU, WHT/RED, WHT/YEL, 14 FT. TOTAL LENGTH
	9	1	2900663-009	WIRE, ND1002181, TYPE 3, CLASS 4 WHT JKT 20AWG WHT/BLU, WHT/RED, WHT/YEL, 7 FT. TOTAL LENGTH
	10	1	2900663-010	ZIPPER TUBING PER ND1002155, TYPE IV, 2 CHANNEL 1.125 AND 1.375 INCH DIAMETERS
7	11	1	1897215-004	CONNECTOR PLUG ELEC.
7	12	1	1897215-005	CONNECTOR PLUG ELEC.
	13	1	2900840-011	CONNECTOR PLUG ELEC., ASSY

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	14	71	1897300-003	CONTACT, ELECT. SPRING SOCKET
7	15	11	1016369-420	CONTACT, PIN
7	16	16	1016369-720	CONTACT, PIN
7	17	45	1016369-288	CONTACT, OUTER MALE
7	18	45	1016369-388	CONTACT, INNER FEMALE
7	19	45	1016369-588	HYRING
7	20	45	1016369-712	INNER SUPPORT SLEEVE
7	21	45	1016369-713	OUTER SUPPORT SLEEVE
7	22	3	1010763- 1	SOLDER SLEEVE
7	23	37	1010763- 2	SOLDER SLEEVE
7	24	5	1010763- 3	SOLDER SLEEVE
7	25	4	1010490-222	INSULATION SLEEVING ELECT.
7	26	9	1010490-226	INSULATION SLEEVING ELECT.
7	27	87	1010490-228	INSULATION SLEEVING ELECT.
7	28	8	1010490-232	INSULATION SLEEVING ELECT.
7	29	110	1015864-232	INSULATION SLEEVING ELECT.
7	30	1	1016128-011	BAND, IDENTIFICATION
7	31	3	1016128-041	BAND, IDENTIFICATION

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 6 OF 26	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	32	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2 BLACK (ES2732 NO. 18)
	33	AR	1901390	FILLER TAPE
7	34	15	1016006- 1	SPLICE REDUCER
7	35	1	1016006- 2	SPLICE REDUCER
7	36	1	1010490-256	INSULATION SLEEVING, ELECT.
7	37	2	1897330-001	CLAMP, CABLE
7	38	2	1897331-001	ADAPTER, CABLE CLAMP
7	39	24	1897300-001	CONTACT, ELECT. SPRING SOCKET
7	40	17	1897300-002	CONTACT, ELECT. SPRING SOCKET

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 7 OF 26	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6	P1-50/0 P1-50/1					.23 .22	NO NO		17,19 18,20,21	
A	2	2	P1-13 P3-H5					.19 .18	NO NO		15 40	
A	3	3			2.80 2.80	2.50 2.50				A,6A B,7	23, 28 28	
A	3A	2	SHLD A3 E1					.25 .25	NO NO			
A	3W		P1-12 P3-K5					.19 .18	NO NO		15 14	
A	4	2	P1-1 P3-F1					.19 .18	NO NO		15 40	
A	5	7			2.80 2.80	2.50 2.50				B,7 B,7	23, 27 27	
A	5L		P1-26 E2-B					.28 .38	NO NO		16	
A	5R		P1-25 E3-B					.28 .38	NO NO		16	
A	6	8			2.80 2.80	2.50 2.50				A,6A B,7	24, 25 25	
A	6A	2	SHLD A6 E1					.25 .25	NO NO			
A	6L		P1-33 E4-B					.28 .38	NO NO		16	

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 8 OF 26	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6R		P1-32 E5-B					.28 .38	NO NO		16	
A	6Y		P1-34 E6-BB					.28 .38	NO NO		16	
A	7	5	E4-BB P3-H18					.38 .18	NO NO		39	
A	8	5	E5-BB P3-H19					.38 .18	NO NO		39	
A	9	5	E6-B P3-H16					.38 .18	NO NO		39	
A	10	7			2.80 2.80	2.50 2.50				A,6A B,7	24, 26 26	
A	10A	2	SHLD A10 E7					.25 .25	NO NO			
A	10L		P1-38 E8-B					.28 .38	NO NO		16	
A	10R		P1-37 E9-B					.28 .38	NO NO		16	
A	11	7			2.80 2.80	2.50 2.50				A,6B B,7	24, 26 26	
A	11A	2	SHLD A11 E1					.25 .25	NO NO			
A	11L		P1-42 E10-B					.28 .38	NO NO		16	

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 9 OF 26	

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 11R			P1-41 E11-B					.28 .38	NO NO		16	
A 12	5		E6-B P3-H17					.38 .18	NO NO		#39	
A 13	5		E6-B P3-K16					.38 .18	NO NO		#39	
A 14	5		E2-BB P3-G12					.38 .18	NO NO		#39	
A 15	5		E3-BB P3-G11					.38 .18	NO NO		#39	
A 16	5		E8-BB P3-G9					.38 .18	NO NO		#39	
A 17	5		E9-BB P3-G10					.38 .18	NO NO		#39	
A 18	5		E10-BB P3-K10					.38 .18	NO NO		#39	
A 19	5		E11-BB P3-H10					.38 .18	NO NO		#39	
A 20	8				2.80 2.80	2.50 2.50				A,6A B,7	24, 25 25	
A 20A	2		SHLD A20 E1					.25 .25	NO NO			
A 20L			P1-45 E12-B					.28 .38	NO NO		16	

SIZE	CODE IDENT NO.	
A	99974	2900663
SCALE-NONE	REV LTR C	SHEET 10 OF 26

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CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20R			P1-44 E13-B					.28 .38	NO NO		16	
A 20Y			P1-46 E14-B					.28 .38	NO NO		16	
A 21	5		E12-BB P3-K18					.38 .18	NO NO		#39	
A 22	5		E13-BB P3-K19					.38 .18	NO NO		#39	
A 23	5		E14-BB P3-K17					.38 .18	NO NO		#39	
A 24	7				3.30 3.30	3.00 3.00				B,7 B,7	26 26	
A 24L			P1-28 E15-B					.28 .38	NO NO		16	
A 24R			P1-27 E16-B					.28 .38	NO NO		16	
A 25	5		E15-BB P3-H12					.38 .18	NO NO		#39	
A 26	5		E16-BB P3-H11					.38 .18	NO NO		#39	
A 27	7				3.30 3.30	3.00 3.00				B,7 B,7	26 26	
A 27L			P1-29 E17-B					.28 .38	NO NO		16	

SIZE	CODE IDENT NO.	
A	99974	2900663
SCALE-NONE	REV LTR C	SHEET 11 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27R			P1-30 E18-B					.28 .38	NO NO		16	
A 28	5		E17-BB P3-F16					.38 .18	NO NO		#39	
A 29	5		E18-BB P3-G16					.38 .18	NO NO		#39	
A 30	5		E1 E7					.25 .25	NO NO			
A 31	5		P1-54 E7					.19 .25	NO NO		15	
A 32	5		P2-22 P3-D1					.19 .18	NO NO		15 #39	
A 33	1				3.30 3.30	3.00 3.00				A,6A B,7	23, 27, 19 27	
A 33A	2		SHLD A33 E19					.25 .25	NO NO			
A 33L			P2-23/0 P3-H9				.32	.23 .18	NO NO		17 14	
A 33R			P2-23/1 P3-K9					.22 .18	NO NO		21, 20, 18 14	
A 34	3				3.30 3.30	3.00 3.00				A,6A B,7	23, 28, 19 28	
A 34A	2		SHLD A34 E20					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900663
SCALE-NONE	REV LTR C	SHEET 12 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 34W			P2-25/1 P3-F25					.22 .18	NO NO		21, 20, 18 14	USE WITH P2-25/0
A 35	4				3.30 3.30	3.00 3.00				A,6A B,7	23, 27, 19 27	
A 35A	2		SHLD A35 E20					.25 .25	NO NO			
A 35L			P2-26/0 P3-G25				.32	.23 .18	NO NO		17 14	
A 35R			P2-26/1 P3-G24					.22 .18	NO NO		21, 20, 18 14	
A 35Y			P2-25/0 P3-F24				.32	.23 .18	NO NO		17 14	USE WITH P2-25/1
A 36	5		P2-27 E20					.19 .25	NO NO		15	
A 37	1				3.30 3.30	3.00 3.00				A,6B A,6B	23, 27, 19 23, 27	
A 37A	6		SHLD A37 P2-2/1					.25 .22	NO NO		 21, 20, 18	USE WITH P2-2/0
A 37B	2		P3-C20 SHLD A37					.18 .25	NO NO		#40	
A 37L			P2-1/0 P3-B20				.32	.23 .18	NO NO		17 14	
A 37R			P2-1/1 P3-A20					.22 .18	NO NO		21, 20, 18 14	

SIZE	CODE IDENT NO.	
A	99974	2900663
SCALE-NONE	REV LTR C	SHEET 13 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38	1				3.30 3.30	3.00 3.00				A,68 A,68	23, 27, 19 23, 27	
A 38A	6		SHLD A38 P2-2/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-2/I
A 38B	2		P3-C19 SHLD A38					.18 .25	NO NO		~~##~~40	
A 38L			P2-3/0 P3-A19				.32	.23 .18	NO NO		17 14	
A 38R			P2-3/I P3-B19					.22 .18	NO NO		21, 20, 18 14	
A 39	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 39A	6		SHLD A39 P2-5/I					.25 .22	NO NO		21, 20, 18	USE WITH P2-5/0
A 39B	2		P3-C18 SHLD A39					.18 .25	NO NO		~~##~~40	
A 39L			P2-4/0 P3-B18				.32	.23 .18	NO NO		17 14	
A 39R			P2-4/I P3-A18					.22 .18	NO NO		21, 20, 18 14	
A 40	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 40A	6		SHLD A40 P2-5/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-5/I

SIZE	CODE IDENT NO.		
A	99974	2900663	
SCALE-NONE	REV LTR ~~B~~C		SHEET 14 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40B	2		P3-C17 SHLD A40					.18 .25	NO NO		~~##~~40	
A 40L			P2-6/0 P3-A17				.32	.23 .18	NO NO		17 14	
A 40R			P2-6/I P3-B17					.22 .18	NO NO		21, 20, 18 14	
A 41	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 41A	6		SHLD A41 P2-8/I					.25 .22	NO NO		21, 20, 18	USE WITH P2-8/0
A 41B	2		P3-C16 SHLD A41					.18 .25	NO NO		~~##~~40	
A 41L			P2-7/0 P3-B16				.32	.23 .18	NO NO		17 14	
A 41R			P2-7/I P3-A16					.22 .18	NO NO		21, 20, 18 14	
A 42	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 42A	6		SHLD A42 P2-8/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-8/I
A 42B	2		P3-D15 SHLD A42					.18 .25	NO NO		~~##~~40	
A 42L			P2-9/0 P3-B15				.32	.23 .18	NO NO		17 14	

SIZE	CODE IDENT NO.		
A	99974	2900663	
SCALE-NONE	REV LTR ~~B~~C		SHEET 15 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42R			P2-9/I P3-C15					.22 .18	NO NO		21, 20, 18 14	
A 43	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 43A	6		SHLD A43 P2-11/I					.25 .22	NO NO		21, 20, 18	USE WITH P2-11/0
A 43B	2		P3-C22 SHLD A43					.18 .25	NO NO		~~##~~40	
A 43L			P2-10/0 P3-B22				.32	.23 .18	NO NO		17 14	
A 43R			P2-10/I P3-A22					.22 .18	NO NO		21, 20, 18 14	
A 44	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 44A	6		SHLD A44 P2-11/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-11/I
A 44B	2		P3-C21 SHLD A44					.18 .25	NO NO		~~##~~40	
A 44L			P2-12/0 P3-A21				.32	.23 .18	NO NO		17 14	
A 44R			P2-12/I P3-B21					.22 .18	NO NO		21, 20, 18 14	
A 45	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	

SIZE	CODE IDENT NO.		
A	99974	2900663	
SCALE-NONE	REV LTR ~~B~~C		SHEET 16 OF 26

CABLE ASSEMBLY W156 2900663 ~~B~~C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45A	6		SHLD A45 P2-14/I					.25 .22	NO NO		21, 20, 18	USE WITH P2-14/0
A 45B	2		P3-D22 SHLD A45					.18 .25	NO NO		~~##~~40	
A 45L			P2-13/0 P3-D21				.32	.23 .18	NO NO		17 14	
A 45R			P2-13/I P3-D20					.22 .18	NO NO		21, 20, 18 14	
A 46	1				3.80 3.80	3.50 3.50				A,68 A,68	23, 27, 19 23, 27	
A 46A	6		SHLD A46 P2-14/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-14/I
A 46B	2		P3-D16 SHLD A46					.18 .25	NO NO		~~##~~40	
A 46L			P2-15/0 P3-D18				.32	.23 .18	NO NO		17 14	
A 46R			P2-15/I P3-D17					.22 .18	NO NO		21, 20, 18 14	
A 47	1				4.30 4.30	4.00 4.00				A,68 A,68	23, 27, 19 23, 27	
A 47A	6		SHLD A47 P2-17/I					.25 .22	NO NO		21, 20, 18	USE WITH P2-17/0
A 47B	2		P3-D14 SHLD A47					.18 .25	NO NO		~~##~~40	

SIZE	CODE IDENT NO.		
A	99974	2900663	
SCALE-NONE	REV LTR ~~B~~C		SHEET 17 OF 26

MIL 2084 9-65

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47L			P2-16/0 P3-C14				.32	.23 .18	NO NO		17 14	
A 47R			P2-16/1 P3-B14					.22 .18	NO NO		21, 20, 18 14	
A 48	1				4.30 4.30	4.00 4.00				A,6B A,6B	23, 27, 19 23, 27	
A 48A	6		SHLD A48 P2-17/0				.32	.25 .23	NO NO		19, 17	USE WITH P2-17/1
A 48B	2		P3-B13 SHLD A48					.18 .25	NO NO		~~14~~ 40	
A 48L			P2-18/0 P3-B13				.32	.23 .18	NO NO		17 14	
A 48R			P2-18/1 P3-C13					.22 .16	NO NO		21, 20, 18 14	
A 49	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 49L			P2-19/0 P3-H20				.32	.23 .18	NO NO		17 14	
A 49R			P2-19/1 P3-K20					.22 .18	NO NO		21, 20, 18 14	
A 50	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 50L			P2-20/0 P3-K21				.32	.23 .18	NO NO		17 14	

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 18 OF 26	

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 50R			P2-20/1 P3-H21					.22 .16	NO NO		21, 20, 18 14	
A 51	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 51L			P2-21/0 P3-K23				.32	.23 .16	NO NO		17 14	
A 51R			P2-21/1 P3-K22					.22 .18	NO NO		21, 20, 18 14	
A 52	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 52L			P2-46/0 P3-G1				.32	.23 .18	NO NO		17 14	
A 52R			P2-46/1 P3-H1					.22 .18	NO NO		21, 20, 18 14	
A 53	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 53L			P2-47/0 P3-G2				.32	.23 .18	NO NO		17 14	
A 53R			P2-47/1 P3-H2					.22 .18	NO NO		21, 20, 18 14	
A 54	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 54L			P2-48/0 P3-K6				.32	.23 .18	NO NO		17 14	

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 19 OF 26	

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 54R			P2-48/1 P3-H6					.22 .18	NO NO		21, 20, 18 14	
A 55	1				4.30 4.30	4.00 4.00				B,7 B,7	27, 19 27	
A 55L			P2-49/0 P3-H7				.32	.23 .16	NO NO		17 14	
A 55R			P2-49/1 P3-K7					.22 .16	NO NO		21, 20, 18 14	
A 56	5		P2-51 P3-K8					.19 .16	NO NO		15 ~~14~~ 39	
A 57	4				4.60 4.60	4.50 4.50				A,6B B,7	23, 27, 19 27	
A 57A	6		SHLD A57 P2-29/0				.32	.25 .23	NO NO		17	
A 57B (SEE SH. 25)												
A 57L			P2-29/1 P3-D23					.22 .18	NO NO		21, 20, 18 14	
A 57R			P2-28/1 P3-D24					.22 .18	NO NO		21, 20, 18 14	
A 57Y			P2-28/0 E21				.32	.23 ~~.18~~ .25	NO NO		19, 17 ~~14~~	
A 58	4				4.80 4.80	4.50 4.50				A,6B B,7	23, 27, 19 27	
A 58A	6		SHLD A58 P2-31/0				.32	.25 .23	NO NO		17	
A 58B (SEE SH. 25)												

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 20 OF 26	

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 58L			P2-31/1 P3-B23					.22 .18	NO NO		21, 20, 18 14	
A 58R			P2-30/1 P3-A23					.22 .16	NO NO		21, 20, 18 14	
A 58Y			P2-30/0 E21				.32	.23 ~~.18~~ .25	NO NO		19, 17 ~~14~~	
A 59	4				4.80 4.80	4.50 4.50				A,6B B,7	23, 27, 19 27	
A 59A	6		SHLD A59 P2-33/0				.32	.25 .23	NO NO		17	
A 59B (SEE SH. 25)												
A 59L			P2-33/1 P3-C25					.22 .18	NO NO		21, 20, 18 14	
A 59R			P2-32/1 P3-B25					.22 .18	NO NO		21, 20, 18 14	
A 59Y			P2-32/0 E21				.32	.23 ~~.18~~ .25	NO NO		19, 17 ~~14~~	
A 60	1				4.80 4.80	4.50 4.50				B,7 B,7	27, 19 27	
A 60L			P2-50/0 P3-H3				.32	.23 .18	NO NO		17 14	
A 60R			P2-50/1 P3-K3					.22 .18	NO NO		21, 20, 18 14	
A 61	9				4.80 4.80	4.50 4.50				B,7 B,7	27 27	

SIZE A	CODE IDENT NO. 99974	2900663	
SCALE-NONE	REV LTR C	SHEET 21 OF 26	

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61L			P2-55 P3-G22					.19 .18	NO NO		15 ~~14~~39	
A 61R			P2-53 P3-F22					.19 .18	NO NO		15 ~~14~~39	
A 61Y			P2-54 P3-H22					.19 .18	NO NO		15 ~~14~~39	
A 62	1				4.80 4.80	4.50 4.50				B,7 B,7	27, 19 27	
A 62L			P2-34/O P3-F17				.32	.23 .18	NO NO		17 14	
A 62R			P2-34/I P3-G17					.22 .18	NO NO		21, 20, 18 14	
A 63	1				5.30 5.30	5.00 5.00				B,7 B,7	27, 19 27	
A 63L			P2-35/O P3-F18				.32	.23 .18	NO NO		17 14	
A 63R			P2-35/I P3-G18					.22 .18	NO NO		21, 20, 18 14	
A 64	1				5.30 5.30	5.00 5.00				B,7 B,7	27, 19 27	
A 64L			P2-36/O P3-F19				.32	.23 .18	NO NO		17 14	
A 64R			P2-36/I P3-G19					.22 .18	NO NO		21, 20, 18 14	

SIZE A	CODE IDENT NO. 99974	2900663
SCALE-NONE	REV LTR C	SHEET 22 OF 26

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.30 5.30	5.00 5.00				B,7 B,7	27, 19 27	
A 65L			P2-37/O P3-H13				.32	.23 .18	NO NO		17 14	
A 65R			P2-37/I P3-G13					.22 .18	NO NO		21, 20, 18 14	
A 66	1				5.30 5.30	5.00 5.00				B,7 B,7	27, 19 27	
A 66L			P2-38/O P3-G14				.32	.23 .18	NO NO		17 14	
A 66R			P2-38/I P3-H14					.22 .18	NO NO		21, 20, 18 14	
A 67	1				5.80 5.80	5.50 5.50				B,7 B,7	27, 19 27	
A 67L			P2-39/O P3-H15				.32	.23 .18	NO NO		17 14	
A 67R			P2-39/I P3-G15					.22 .18	NO NO		21, 20, 18 14	
A 68	1				5.80 5.80	5.50 5.50				A,6A B,7	23, 27, 19 27	
A 68A	2		SHLD A68 E19					.25 .25	NO NO			
A 68L			P2-40/O P3-H4				.32	.23 .18	NO NO		17 14	

SIZE A	CODE IDENT NO. 99974	2900663
SCALE-NONE	REV LTR C	SHEET 23 OF 26

CABLE ASSEMBLY W156 2900663 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68R			P2-40/I P3-K4					.22 .18	NO NO		21, 20, 18 14	
A 69	1				5.80 5.80	5.50 5.50				A,6A B,7	23, 27, 19 27	
A 69A	2		SHLD A69 E19					.25 .25	NO NO			
A 69L			P2-42/O P3-G4				.32	.23 .18	NO NO		17 14	
A 69R			P2-42/I P3-G3					.22 .18	NO NO		21, 20, 18 14	
A 70	1				5.80 5.80	5.50 5.50				A,6A B,7	23, 27, 19 27	
A 70A	2		SHLD A70 E19					.25 .25	NO NO			
A 70L			P2-43/O P3-F4				.32	.23 .18	NO NO		17 14	
A 70R			P2-43/I P3-F3					.22 .18	NO NO		21, 20, 18 14	
A 71	5		P2-41 E19					.19 .25	NO NO		15	
A 72	5		E21 P3-B24					.25 .18	NO NO		 39	

SIZE A	CODE IDENT NO. 99974	2900663
SCALE-NONE	REV LTR C	SHEET 24 OF 26

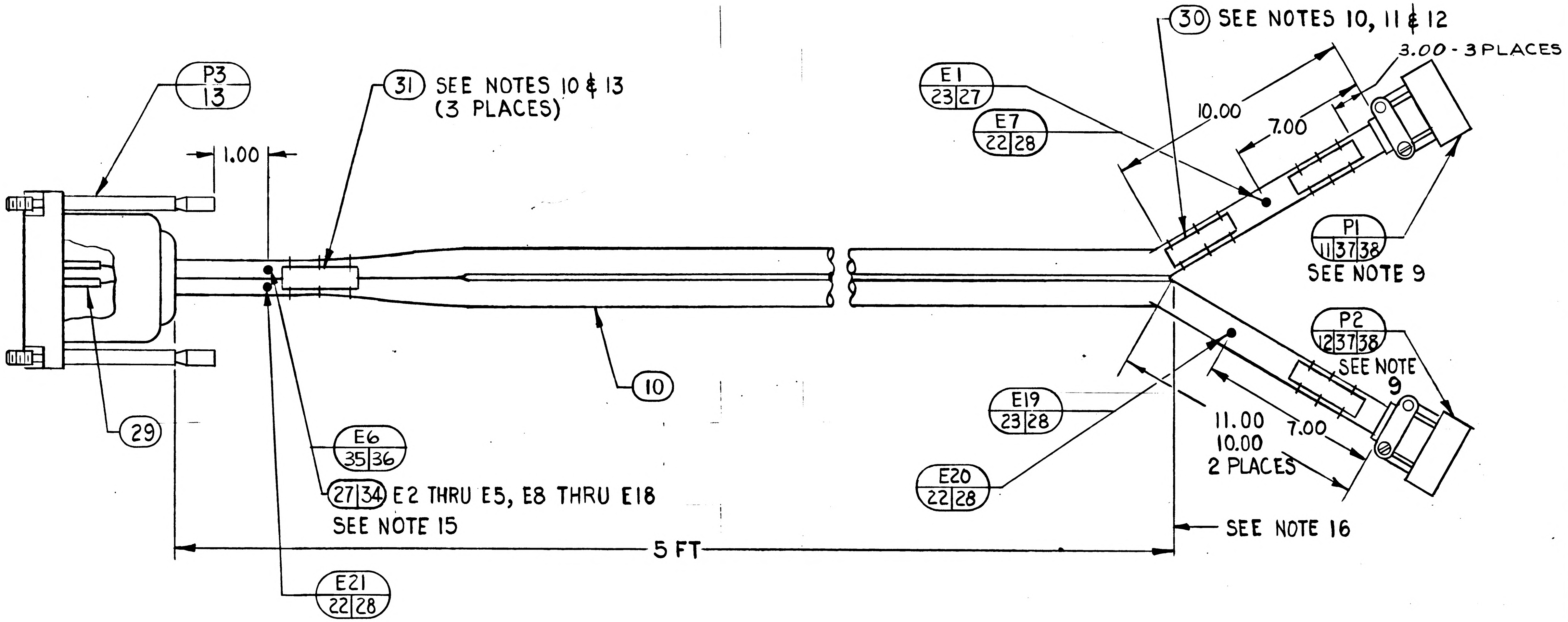
CABLE ASSEMBLY W156 ~~WIRING HARNESS C~~ 2900663 ~~[illegible]~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57B	2		P3-D25 SHLD A57					.18 .25	NO NO		40	
A 58B	2		P3-C23 SHLD A58					.18 .25	NO NO		40	
A 59B	2		P3-C24 SHLD A59					.18 .25	NO NO		40	

SIZE A	CODE IDENT NO. ~~[illegible]~~	~~[illegible]~~ 2900663
SCALE-NONE	REV LTR C	SHEET 25 OF 26

D 2900663

REVISIONS TDRR 24761				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		CHG. NO.		



P3 13
31 SEE NOTES 10 & 13 (3 PLACES)
1.00
29
10
E6 35 36
27 34 E2 THRU E5, E8 THRU E18
SEE NOTE 15
E21 22 28
5 FT
E1 23 27
E7 22 28
30 SEE NOTES 10, 11 & 12
3.00 - 3 PLACES
10.00
7.00
P1 11 37 38
SEE NOTE 9
P2 12 37 38
SEE NOTE 9
E19 23 28
E20 22 28
11.00
10.00
2 PLACES
7.00
SEE NOTE 16

TABLE I	
PLUG NO.	MARKING
P1	W156-P1(J11-GDB)
P2	W156-P2(J12-GDB)
P3	W156-P3(J6-PSA)

BLOCK II/LEM

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + ___ − DECIMALS + ___ − . ANGLES + ___ −
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN P.W. Turner DATE 18 OCT 65
CHECKED W. Diehl 29 OCT. '65
APPROVAL E. Swanson 29 Oct. '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL (Phone approval)
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED W156

CODE IDENT NO. 99974
SIZE C
2900663
SCALE —
SHEET 26 OF 26

2900663

MIL-1082D D

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REV. A WITH CHANGE PER MXC 206468 PER TDRR	3 NOV. 65	JWP AU
C	REVISED PER MXC 207207	1 DEC 65	RLP
D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	Em

Charleston
29 Oct 65

REV																											
SHEET																											
REV STATUS	REV				D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D					
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17					

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct '65
APPROVAL J. M Watson 12-11-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W158

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900664
REV D

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 17

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

7 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

8 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019

9 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE

11 SERIALIZE PER ND1002023.

12 MARK IDENTIFICATION BANDS AS NOTED .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

SIZE A | CODE IDENT NO. 99974 | 2900664
SCALE-NONE | REV LTR D | SHEET 2 OF 17

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES DESCRIPTION

13 THE FOLLOWING LEADS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERICAL PRATICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 6 TIMES THE PITCH DIAMETER
A21, A30
A41, A42, A43

14 LEADS MUST PASS THROUGH GRUMMET HOLES OF ITEM 7 PRIOR TO CRIMPING CONTACTS TO LEADS.

15 FILL THE SPACE BETWEEN WIRE BUNDLE AND STRAIN RELIEF CLAMP USING ITEM 10 TO SECURE WIRE BUNDLE IN THE CLAMP.

16 POSITION IDENTIFICATION SLEEVE ADJACENT TO SOLDER SLEEVE.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A | CODE IDENT NO. 99974 | 2900664
SCALE-NONE | REV LTR D | SHEET 3 OF 17

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900664-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 33 FT TOTAL LENGTH
	2	1	2900664-002	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHT JKT, WHT-RED,WHT-BLU, 42 FT TOTAL LENGTH
	3	1	2900664-003	WIRE, 1010707-2, 6 FT TOTAL LENGTH
6	4	1	1016128-011	BAND, IDENTIFICATION, BLANK
6	5	2	1016128-041	BAND, IDENTIFICATION, BLANK
	6	1	2900779-011	CONNECTOR, SOCKET, ELECTRICAL-172 PIN
6	7	1	1897249-001	CONNECTOR, PLUG ELECTRICAL
6	8	42	1897300-002	CONTACT, ELECTRICAL SPRING SOCKET
6	9	32	1010763-002	SLEEVE, SOLDER, ELECTRICAL
	10	AR	1901390	TAPE, CONNECTOR CLAMP FILLER
6	11	32	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	12	18	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	13	91	1015864-232	INSULATION-SLEEVING, ELECTRICAL
6	14	71	1897190-002	CONTACT, ELECTRICAL
	15	AR	MIL-T-713	LACING TAPE, TYPE P WAXED, CLASS 2, BLACK
6	16	1	1010933-105	CLAMP, CABLE
	17	1	2900664-004	ZIPPER TUBING, ND1002155, TYPE 1, GRAY ZTZ 1.00 INCH DIA, 2 FT TOTAL LENGTH

SIZE A | CODE IDENT NO. 99974 | 2900664
SCALE-NONE | REV LTR D | SHEET 4 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	18	1	1016282- 18	GRUMMET, RUBBER
6	19	49	1897300-003	CONTACT, ELECTRICAL SPRING SOCKET

SIZE A | CODE IDENT NO. 99974 | 2900664
SCALE-NONE | REV LTR D | SHEET 5 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 ←D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	1A	1		SHLD A1 P2-48					.25 .15	NO NO		 14	
A	1B	1		P1-A6 SHLD A1					.18 .25	NO NO		8, 13	
A	1L			P2-49 P1-A5					.15 .18	NO NO		14 8, 13	
A	1R			P2-28 P1-A4					.15 .18	NO NO		14 8, 13	
A	2	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	2A	1		SHLD A2 P2-42					.25 .15	NO NO		 14	
A	2B	1		P1-A12 SHLD A2					.18 .25	NO NO		8, 13	
A	2L			P2-43 P1-A11					.15 .18	NO NO		14 19, 13	
A	2R			P2-67 P1-A10					.15 .18	NO NO		14 19, 13	
A	3	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	3L			P2-22 P1-A20					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 6 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 ←D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3R			P2-9 P1-A21					.15 .18	NO NO		14 19, 13	
A	4	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	4L			P2-41 P1-B22					.15 .18	NO NO		14 19, 13	
A	4R			P2-66 P1-A22					.15 .18	NO NO		14 19, 13	
A	5	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	5A	1		SHLD A5 P2-33					.25 .15	NO NO		 14	
A	5B	1		P1-B3 SHLD A5					.18 .25	NO NO		8, 13	
A	5L			P2-17 P1-B1					.15 .18	NO NO		14 19, 13	
A	5R			P2-16 P1-B2					.15 .18	NO NO		14 19, 13	
A	6	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	6A	1		SHLD A6 P2-53					.25 .15	NO NO		 14	
A	6B	1		P1-B6 SHLD A6					.18 .25	NO NO		8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 7 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 ←D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L			P2-54 P1-B5					.15 .18	NO NO		14 19, 13	
A	6R			P2-78 P1-B4					.15 .18	NO NO		14 19, 13	
A	7	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	7A	1		SHLD A7 P2-45					.25 .15	NO NO		 14	
A	7B	1		P1-B12 SHLD A7					.18 .25	NO NO		8, 13	
A	7L			P2-46 P1-B11					.15 .18	NO NO		14 19, 13	
A	7R			P2-70 P1-B10					.15 .18	NO NO		14 19, 13	
A	8	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	8A	1		SHLD A8 P2-38					.25 .15	NO NO		 14	
A	8B	1		P1-B17 SHLD A8					.18 .25	NO NO		8, 13	
A	8L			P2-63 P1-F17					.15 .18	NO NO		14 19, 13	
A	8R			P2-39 P1-C17					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 8 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 ←D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8W			P2-64 P1-D17					.15 .18	NO NO		14 19, 13	
A	9	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	9A	1		SHLD A9 P2-59					.25 .15	NO NO		 14	
A	9B	1		P1-B18 SHLD A9					.18 .25	NO NO		8, 13	
A	9L			P2-84 P1-F18					.15 .18	NO NO		14 19, 13	
A	9R			P2-60 P1-C18					.15 .18	NO NO		14 19, 13	
A	9W			P2-85 P1-D18					.15 .18	NO NO		14 19, 13	
A	10	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	10A	1		SHLD A10 P2-80					.25 .15	NO NO		 14	
A	10B	1		P1-B19 SHLD A10					.18 .25	NO NO		8, 13	
A	10L			P2-81 P1-F19					.15 .18	NO NO		14 19, 13	
A	10R			P2-56 P1-C19					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 9 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10W			P2-57 P1-D19					.15 .18	NO NO		14 19, 13	
A 11	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 11L			P2-58 P1-B20					.15 .18	NO NO		14 19, 13	
A 11R			P2-82 P1-B21					.15 .18	NO NO		14 19, 13	
A 12	1		P1-G17 E1					.18 .25	NO NO		8, 13	
A 13	1		P1-G18 E1					.18 .25	NO NO		8, 13	
A 14	1		P1-G19 E1					.18 .25	NO NO		8, 13	
A 15	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 15A	1		SHLD A15 P2-27					.25 .15	NO NO		 14	
A 15B	1		P1-C3 SHLD A15					.18 .25	NO NO		8, 13	
A 15L			P2-12 P1-C1					.15 .18	NO NO		14 19, 13	
A 15R			P2-26 P1-C2					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR CD	SHEET 10 OF 17

CABLE ASSEMBLY W158 2900664 D C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 16A	1		SHLD A16 P2-29					.25 .15	NO NO		 14	
A 16B	1		P1-C6 SHLD A16					.18 .25	NO NO		8, 13	
A 16L			P2-13 P1-C5					.15 .18	NO NO		14 19, 13	
A 16R			P2-14 P1-C4					.15 .18	NO NO		14 19, 13	
A 17	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 17A	1		SHLD A17 P2-44					.25 .15	NO NO		 14	
A 17B	1		P1-C12 SHLD A17					.18 .25	NO NO		8, 13	
A 17L			P2-68 P1-C11					.15 .18	NO NO		14 19, 13	
A 17R			P2-69 P1-C10					.15 .18	NO NO		14 19, 13	
A 18	1		P1-C14 P1-A17					.18 .18	NO NO		8, 13 8, 13	
A 19	1		P1-C16 P1-A14					.18 .18	NO NO		8, 13 8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR CD	SHEET 11 OF 17

CABLE ASSEMBLY W158 2900664 CD

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 20L			P1-C21 P2-24					.16 .15	NO NO		19, 13 14	
A 20R			P1-C20 P2-23					.18 .15	NO NO		19, 13 14	
A 21	1		P1-C22 P2-3					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 22	1		P1-C29 P1-G14					.18 .18	NO NO		8, 13 8, 13	
A 23	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 23A	1		SHLD A23 P2-47					.25 .15	NO NO		 14	
A 23B	1		P1-D3 SHLD A23					.18 .25	NO NO		8, 13	
A 23L			P2-71 P1-D1					.15 .18	NO NO		14 19, 13	
A 23R			P2-72 P1-D2					.15 .18	NO NO		14 19, 13	
A 24	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 24A	1		SHLD A24 P2-50					.25 .15	NO NO		 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR CD	SHEET 12 OF 17

CABLE ASSEMBLY W158 2900664 D C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24B	1		P1-D6 SHLD A24					.18 .25	NO NO		8, 13	
A 24L			P2-75 P1-D5					.15 .18	NO NO		14 19, 13	
A 24R			P2-74 P1-D4					.15 .18	NO NO		14 19, 13	
A 25	1		P1-D14 P1-A18					.18 .18	NO NO		8, 13 8, 13	
A 26	1		P1-D15 E1					.18 .25	NO NO		8, 13	
A 27	1		P1-D16 P1-A15					.18 .18	NO NO		8, 13 8, 13	
A 28	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 28L			P1-D20 P2-34					.18 .15	NO NO		19, 13 14	
A 28R			P1-D21 P2-35					.18 .15	NO NO		19, 13 14	
A 29	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 29L			P1-D24 P2-6					.18 .15	NO NO		19, 13 14	
A 29R			P1-D22 P2-18					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR CD	SHEET 13 OF 17

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	1		P1-C23 P2-2					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 31	1		P1-G15 P1-F16					.18 .18	NO NO		8, 13 8, 13	
A 32	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 32A	1		SHLD A32 P2-30					.25 .15	NO NO		 14	
A 32B	1		P1-F6 SHLD A32					.18 .25	NO NO		8, 13	
A 32L			P2-15 P1-F5					.15 .18	NO NO		14 19, 13	
A 32R			P2-31 P1-F4					.15 .18	NO NO		14 19, 13	
A 33	1		P1-F15 E2					.18 .25	NO NO		8, 13	
A 34	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 34L			P1-F20 P2-10					.18 .15	NO NO		19, 13 14	
A 34R			P1-F21 P2-11					.18 .15	NO NO		19, 13. 14	
A 35	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 14 OF 17

MIL 2084 9.65

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35L			P1-F24 P2-5					.18 .15	NO NO		19, 13 14	
A 35R			P1-G24 P2-4					.18 .15	NO NO		19, 13 14	
A 36	1		P1-A16 E2					.18 .25	NO NO		8, 13	
A 37	1		P1-A19 E2					.18 .25	NO NO		8, 13	
A 38	1		P1-G16 E2					.18 .25	NO NO		8, 13	
A 39	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 39A	1		SHLD A39 P2-52					.25 .15	NO NO		 14	
A 39B	1		P1-G6 SHLD A39					.18 .25	NO NO		8, 13	
A 39L			P2-51 P1-G5					.15 .18	NO NO		14 19, 13	
A 39R			P2-76 P1-G4					.15 .18	NO NO		14 19, 13	
A 40	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 40L			P1-G20 P2-37					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 15 OF 17

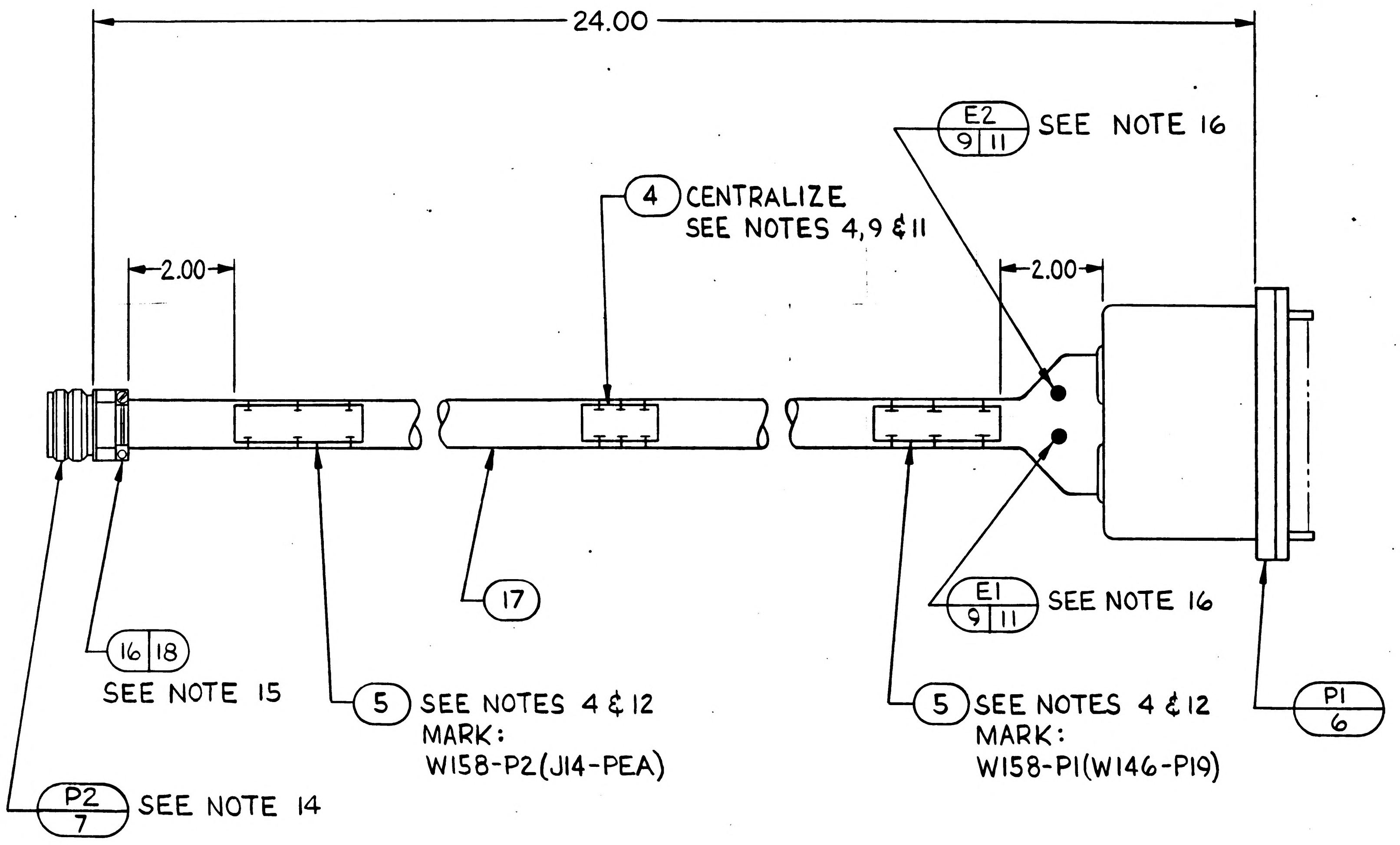
MIL 2084 9.65

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40R			P1-G21 P2-61					.18 .15	NO NO		19, 13 14	
A 41	1		P1-D23 P2-19					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 42	1		P1-F23 P2-8					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 43	1		P1-G23 P2-7					.18 .15	NO NO		8, 13 14	SEE NOTE 13

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 16 OF 17

REVISIONS TDRR 24761					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.


24.00
2.00
2.00
4 CENTRALIZE SEE NOTES 4,9 & 11
E2 9 11 SEE NOTE 16
E1 9 11 SEE NOTE 16
17
16 18 SEE NOTE 15
5 SEE NOTES 4 & 12 MARK: W158-P2(J14-PEA)
5 SEE NOTES 4 & 12 MARK: W158-P1(W146-P19)
P1 6
P2 7 SEE NOTE 14

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS + — − | ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN E. Miller DATE 27OCT65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A Metzger/RTT
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE C
2900664
SCALE 1:2
SHEET 17 OF 17

MIL 1077C—P

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REV. A WITH CHANGE PER MXC 206468 PER TDRR	3 NOV. 65	JWP AU
C	REVISED PER MXC 207207	1 DEC 65	RLP
D	INITIAL RELEASE CLASS A PER TDRR 24741	14 DEC 65	Em
E	REVISED PER TDRR 25702	4 FEB 66	RLP

Ⓜ

Charleston
29 Oct 65

REV STATUS OF SHEETS	REV	E	D	D	D	D	D	D	D	D	D	D	E	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E Swanson 29 Oct 65
APPROVAL

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE A
2900664
REV E

SCALE —
SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
8	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019
9	IDENTIFY PER MIL-STD-130 (CS267) USING PART NUMBER.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
11	SERIALIZE PER ND1002023.
12	MARK IDENTIFICATION BANDS AS NOTED .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 2 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	THE FOLLOWING LEADS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERICAL PRATICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 6 TIMES THE PITCH DIAMETER A21, A30 A41, A42, A43
14	LEADS MUST PASS THROUGH GROMMET HOLES OF ITEM 7 PRIOR TO CRIMPING CONTACTS TO LEADS.
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND STRAIN RELIEF CLAMP USING ITEM 10 TO SECURE WIRE BUNDLE IN THE CLAMP.
16	POSITION IDENTIFICATION SLEEVE ADJACENT TO SOLDER SLEEVE.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 3 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900664-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 33 FT TOTAL LENGTH
	2	1	2900664-002	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHT JKT, WHT-RED,WHT-BLU, 42 FT TOTAL LENGTH
	3	1	2900664-003	WIRE, 1010707-2, 6 FT TOTAL LENGTH
6	4	1	1016128-011	BAND, IDENTIFICATION, BLANK
6	5	2	1016128-041	BAND, IDENTIFICATION, BLANK
	6	1	2900779-011	CONNECTOR, SOCKET, ELECTRICAL-172 PIN
6	7	1	1897249-001	CONNECTOR, PLUG ELECTRICAL
6	8	42	1897300-002	CONTACT, ELECTRICAL SPRING SOCKET
6	9	32	1010763-002	SLEEVE, SOLDER, ELECTRICAL
	10	AR	1901390	TAPE, CONNECTOR CLAMP FILLER
6	11	32	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	12	18	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	13	91	1015864-232	INSULATION-SLEEVING, ELECTRICAL
6	14	71	1897190-002	CONTACT, ELECTRICAL
	15	AR	MIL-T-713	LACING TAPE, TYPE P WAXED, CLASS 2, BLACK
6	16	1	1010933-105	CLAMP, CABLE
	17	1	2900664-004	ZIPPER TUBING, ND1002155, TYPE 1, GRAY ZTZ 1.00 INCH DIA, 2 FT TOTAL LENGTH

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 4 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	18	1	1016282- 18	GROMMET, RUBBER
6	19	49	1897300-003	CONTACT, ELECTRICAL SPRING SOCKET

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 5 OF 17

CABLE ASSEMBLY W158 2900664 €D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	1A	1		SHLD A1 P2-48					.25 .15	NO NO		14	
A	1B	1		P1-A6 SHLD A1					.18 .25	NO NO		8, 13	
A	1L			P2-49 P1-A5					.15 .18	NO NO		14 8, 13	
A	1R			P2-28 P1-A4					.15 .18	NO NO		14 8, 13	
A	2	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	2A	1		SHLD A2 P2-42					.25 .15	NO NO		14	
A	2B	1		P1-A12 SHLD A2					.18 .25	NO NO		8, 13	
A	2L			P2-43 P1-A11					.15 .18	NO NO		14 19, 13	
A	2R			P2-67 P1-A10					.15 .18	NO NO		14 19, 13	
A	3	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	3L			P2-22 P1-A20					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR €D	SHEET 6 OF 17

CABLE ASSEMBLY W158 2900664 €D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3R			P2-9 P1-A21					.15 .18	NO NO		14 19, 13	
A	4	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	4L			P2-41 P1-B22					.15 .18	NO NO		14 19, 13	
A	4R			P2-66 P1-A22					.15 .18	NO NO		14 19, 13	
A	5	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	5A	1		SHLD A5 P2-33					.25 .15	NO NO		14	
A	5B	1		P1-B3 SHLD A5					.18 .25	NO NO		8, 13	
A	5L			P2-17 P1-B1					.15 .18	NO NO		14 19, 13	
A	5R			P2-16 P1-B2					.15 .18	NO NO		14 19, 13	
A	6	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	6A	1		SHLD A6 P2-53					.25 .15	NO NO		14	
A	6B	1		P1-B6 SHLD A6					.18 .25	NO NO		8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR €D	SHEET 7 OF 17

CABLE ASSEMBLY W158 2900664 €D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L			P2-54 P1-B5					.15 .18	NO NO		14 19, 13	
A	6R			P2-78 P1-B4					.15 .18	NO NO		14 19, 13	
A	7	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	7A	1		SHLD A7 P2-45					.25 .15	NO NO		14	
A	7B	1		P1-B12 SHLD A7					.18 .25	NO NO		8, 13	
A	7L			P2-46 P1-B11					.15 .18	NO NO		14 19, 13	
A	7R			P2-70 P1-B10					.15 .18	NO NO		14 19, 13	
A	8	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	8A	1		SHLD A8 P2-38					.25 .15	NO NO		14	
A	8B	1		P1-B17 SHLD A8					.18 .25	NO NO		8, 13	
A	8L			P2-63 P1-F17					.15 .18	NO NO		14 19, 13	
A	8R			P2-39 P1-C17					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR €D	SHEET 8 OF 17

CABLE ASSEMBLY W158 2900664 €D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8W			P2-64 P1-D17					.15 .18	NO NO		14 19, 13	
A	9	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	9A	1		SHLD A9 P2-59					.25 .15	NO NO		14	
A	9B	1		P1-B18 SHLD A9					.18 .25	NO NO		8, 13	
A	9L			P2-84 P1-F18					.15 .18	NO NO		14 19, 13	
A	9R			P2-60 P1-C18					.15 .18	NO NO		14 19, 13	
A	9W			P2-85 P1-D18					.15 .18	NO NO		14 19, 13	
A	10	3				3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	10A	1		SHLD A10 P2-80					.25 .15	NO NO		14	
A	10B	1		P1-B19 SHLD A10					.18 .25	NO NO		8, 13	
A	10L			P2-81 P1-F19					.15 .18	NO NO		14 19, 13	
A	10R			P2-56 P1-C19					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR €D	SHEET 9 OF 17

CABLE ASSEMBLY W158 2900664 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10W			P2-57					.15	NO		14	
			P1-D19					.18	NO		19, 13	
A 11	2				2.80	2.50				B,7	12	
					2.80	2.50				B,7	12	
A 11L			P2-58					.15	NO		14	
			P1-B20					.18	NO		19, 13	
A 11R			P2-82					.15	NO		14	
			P1-B21					.18	NO		19, 13	
A 12	1		P1-G17					.18	NO		8, 13	
			E1					.25	NO			
A 13	1		P1-G18					.18	NO		8, 13	
			E1					.25	NO			
A 14	1		P1-G19					.18	NO		8, 13	
			E1					.25	NO			
A 15	2				2.30	2.00				A,6B	9, 11	
					2.30	2.00				A,6B	9, 11	
A 15A	1		SHLD A15					.25	NO			
			P2-27					.15	NO		14	
A 15B	1		P1-C3					.18	NO		8, 13	
			SHLD A15					.25	NO			
A 15L			P2-12					.15	NO		14	
			P1-C1					.18	NO		19, 13	
A 15R			P2-26					.15	NO		14	
			P1-C2					.18	NO		19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR C D	SHEET 10 OF 17

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16	2				2.30	2.00				A,6B	9, 11	
					2.30	2.00				A,6B	9, 11	
A 16A	1		SHLD A16					.25	NO			
			P2-29					.15	NO		14	
A 16B	1		P1-C6					.18	NO		8, 13	
			SHLD A16					.25	NO			
A 16L			P2-13					.15	NO		14	
			P1-C5					.18	NO		19, 13	
A 16R			P2-14					.15	NO		14	
			P1-C4					.18	NO		19, 13	
A 17	2				2.30	2.00				A,6B	9, 11	
					2.30	2.00				A,6B	9, 11	
A 17A	1		SHLD A17					.25	NO			
			P2-44					.15	NO		14	
A 17B	1		P1-C12					.18	NO		8, 13	
			SHLD A17					.25	NO			
A 17L			P2-68					.15	NO		14	
			P1-C11					.16	NO		19, 13	
A 17R			P2-69					.15	NO		14	
			P1-C10					.18	NO		19, 13	
A 18	1		P1-C14					.18	NO		8, 13	
			P1-A17					.18	NO		8, 13	
A 19	1		P1-C16					.18	NO		8, 13	
			P1-A14					.18	NO		8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR C D	SHEET 11 OF 17

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	2				2.80	2.50				B,7	12	
					2.80	2.50				B,7	12	
A 20L			P1-C21					.16	NO		19, 13	
			P2-24					.15	NO		14	
A 20R			P1-C20					.18	NO		19, 13	
			P2-23					.15	NO		14	
A 21	1		P1-C22					.18	NO		8, 13	SEE NOTE 13
			P2-3					.15	NO		14	
A 22	1		~~P1-C29~~ P1-F14					.18	NO		8, 13	
			P1-G14					.18	NO		8, 13	
A 23	2				2.30	2.00				A,6B	9, 11	
					2.30	2.00				A,6B	9, 11	
A 23A	1		SHLD A23					.25	NO			
			P2-47					.15	NO		14	
A 23B	1		P1-D3					.18	NO		8, 13	
			SHLD A23					.25	NO			
A 23L			P2-71					.15	NO		14	
			P1-D1					.18	NO		19, 13	
A 23R			P2-72					.15	NO		14	
			P1-D2					.18	NO		19, 13	
A 24	2				2.30	2.00				A,6B	9, 11	
					2.30	2.00				A,6B	9, 11	
A 24A	1		SHLD A24					.25	NO			
			P2-50					.15	NO		14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR C D	SHEET 12 OF 17

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24B	1		P1-D6					.18	NO		8, 13	
			SHLD A24					.25	NO			
A 24L			P2-75					.15	NO		14	
			P1-D5					.18	NO		19, 13	
A 24R			P2-74					.15	NO		14	
			P1-D4					.16	NO		19, 13	
A 25	1		P1-D14					.18	NO		8, 13	
			P1-A18					.18	NO		8, 13	
A 26	1		P1-D15					.18	NO		8, 13	
			E1					.25	NO			
A 27	1		P1-D16					.18	NO		8, 13	
			P1-A15					.18	NO		8, 13	
A 28	2				2.80	2.50				B,7	12	
					2.80	2.50				B,7	12	
A 28L			P1-D20					.18	NO		19, 13	
			P2-34					.15	NO		14	
A 28R			P1-D21					.16	NO		19, 13	
			P2-35					.15	NO		14	
A 29	2				2.80	2.50				B,7	12	
					2.80	2.50				B,7	12	
A 29L			P1-D24					.18	NO		19, 13	
			P2-6					.15	NO		14	
A 29R			P1-D22					.18	NO		19, 13	
			P2-18					.15	NO		14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR C D	SHEET 13 OF 17

CABLE ASSEMBLY W158 2900664 ~~E~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	30	1		P1-C23 P2-2					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	31	1		P1-G15 P1-F16					.18 .18	NO NO		8, 13 8, 13	
A	32	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	32A	1		SHLD A32 P2-30					.25 .15	NO NO		 14	
A	32B	1		P1-F6 SHLD A32					.18 .25	NO NO		8, 13	
A	32L			P2-15 P1-F5					.15 .18	NO NO		14 19, 13	
A	32R			P2-31 P1-F4					.15 .18	NO NO		14 19, 13	
A	33	1		P1-F15 E2					.18 .25	NO NO		8, 13	
A	34	2				2.80 2.80	2.50 2.50				8,7 8,7	12 12	
A	34L			P1-F20 P2-10					.18 .15	NO NO		19, 13 14	
A	34R			P1-F21 P2-11					.18 .15	NO NO		19, 13 14	
A	35	2				2.80 2.80	2.50 2.50				8,7 8,7	12 12	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ~~E~~ D	SHEET 14 OF 17

CABLE ASSEMBLY W158 2900664 ~~E~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	35L			P1-F24 P2-5					.18 .15	NO NO		19, 13 14	
A	35R			P1-G24 P2-4					.18 .15	NO NO		19, 13 14	
A	36	1		P1-A16 E2					.18 .25	NO NO		8, 13	
A	37	1		P1-A19 E2					.18 .25	NO NO		8, 13	
A	38	1		P1-G16 E2					.18 .25	NO NO		8, 13	
A	39	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	39A	1		SHLD A39 P2-52					.25 .15	NO NO		 14	
A	39B	1		P1-G6 SHLD A39					.18 .25	NO NO		8, 13	
A	39L			P2-51 P1-G5					.15 .18	NO NO		14 19, 13	
A	39R			P2-76 P1-G4					.15 .18	NO NO		14 19, 13	
A	40	2				2.80 2.80	2.50 2.50				8,7 8,7	12 12	
A	40L			P1-G20 P2-37					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ~~E~~ D	SHEET 15 OF 17

MIL 2084 4.65

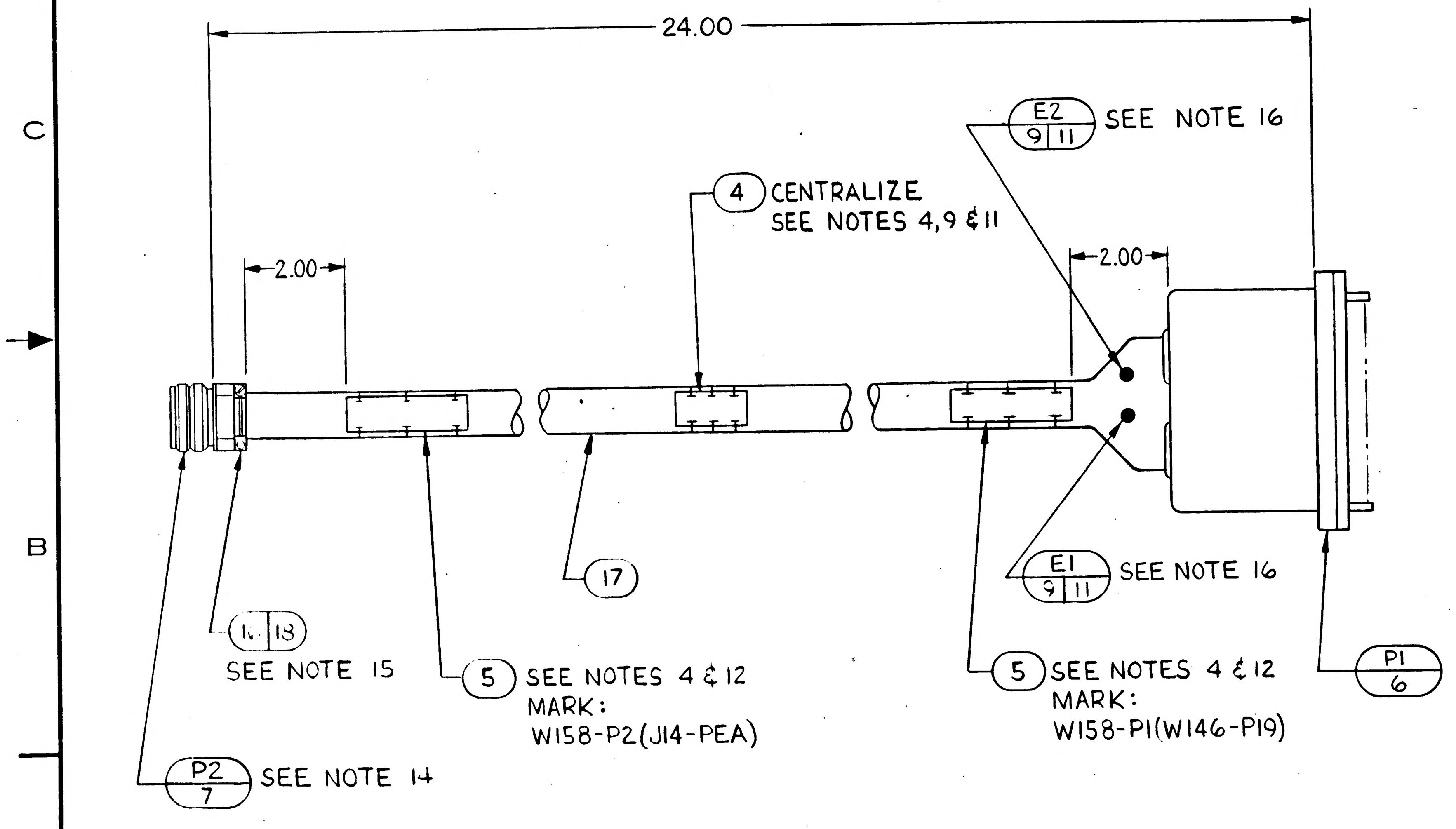
CABLE ASSEMBLY W158 2900664 ~~E~~ D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	40R			P1-G21 P2-61					.18 .15	NO NO		19, 13 14	
A	41	1		P1-D23 P2-19					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	42	1		P1-F23 P2-8					.16 .15	NO NO		8, 13 14	SEE NOTE 13
A	43	1		P1-G23 P2-7					.18 .15	NO NO		8, 13 14	SEE NOTE 13

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ~~E~~ D	SHEET 16 OF 17

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD


24.00
2.00
2.00
4 CENTRALIZE SEE NOTES 4,9 & 11
E2 9 11 SEE NOTE 16
E1 9 11 SEE NOTE 16
17
16 18 SEE NOTE 15
5 SEE NOTES 4 & 12 MARK: W158-P2(J14-PEA)
5 SEE NOTES 4 & 12 MARK: W158-P1(W146-P19)
P1 6
P2 7 SEE NOTE 14

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 Oct 65
APPROVAL E. Swanson 29 Oct 65
APPROVAL J. M. Walton 11-17-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE C
2900664
SCALE 1:2
SHEET 17 OF 17

MIL 1077C-P

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

Ⓜ

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REV. A WITH CHANGE PER MXC 206468 PER TDRR	3 NOV. 65	JWP AU
C	REVISED PER MXC 207207	1 DEC 65	RLP
D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	EM
E	REVISED PER TDRR 25702	4 FEB 66	RLP
F	REVISED PER TDRR 25571	8 FEB 66	RLP PZ

Charleston
29 Oct 65

REV STATUS OF SHEETS																	
REV	F	D	D	F	F	D	D	F	F	F	D	E	D	D	D	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct 65
APPROVAL J M Watson 12-13-65
NASA APPROVAL A. Metz /RTT
MIT APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE A
2900664
REV F

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
8	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
11	SERIALIZE PER ND1002023.
12	MARK IDENTIFICATION BANDS AS NOTED .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR D
SHEET 2 OF 17

MIL 2084 9-65

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	THE FOLLOWING LEADS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERICAL PRATICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 6 TIMES THE PITCH DIAMETER A21, A30 A41, A42, A43
14	LEADS MUST PASS THROUGH GROMMET HOLES OF ITEM 7 PRIOR TO CRIMPING CONTACTS TO LEADS.
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND STRAIN RELIEF CLAMP USING ITEM 10 TO SECURE WIRE BUNDLE IN THE CLAMP.
16	POSITION IDENTIFICATION SLEEVE ADJACENT TO SOLDER SLEEVE.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR D
SHEET 3 OF 17

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900664-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 33 FT TOTAL LENGTH
	2	1	2900664-002	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHT JKT, WHT-RED,WHT-BLU, 42 FT TOTAL LENGTH
	3	1	2900664-003	WIRE, 1010707-2, RED JKT, 29AWG, WHT-RED-BLUE, 6 FT. TOTAL LENGTH.
6	4	1	1016128-011	BAND, IDENTIFICATION, BLANK
6	5	2	1016128-041	BAND, IDENTIFICATION, BLANK
	6	1	2960779-011	CONNECTOR, SOCKET, ELECTRICAL-172 PIN
6	7	1	1897249-001	CONNECTOR, PLUG ELECTRICAL
6	8	42	1897300-002	CONTACT, ELECTRICAL SPRING SOCKET
6	9	32	1010763-002	SLEEVE, SOLDER, ELECTRICAL
	10	AR	1901390	TAPE, CONNECTOR CLAMP FILLER
6	11	32	1010490-228	INSULATION-SLEEVING, ELECTRICAL
6	12	16	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	13	91	1015864-232	INSULATION-SLEEVING, ELECTRICAL
6	14	71	1897190-002	CONTACT, ELECTRICAL
	15	AR	MIL-T-713	LACING TAPE, TYPE P WAXED, CLASS 2, BLACK
6	16	1	1010933-105	CLAMP, CABLE

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR F
SHEET 4 OF 17

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	1	2900664-004	ZIPPER TUBING, ND1002155, TYPE 1, GRAY ZTZ 1.00 INCH DIA, 2 FT TOTAL LENGTH
6	18	1	1016282- 18	GROMMET, RUBBER
6	19	49	1897300-003	CONTACT, ELECTRICAL SPRING SOCKET
6	20	9	1010862	BUSHING, SLEEVE

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR F
SHEET 5 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2			2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	1A	1	SHLD A1 P2-48					.25 .15	NO NO		14	
A	1B	1	P1-A6 SHLD A1					.18 .25	NO NO		8, 13	
A	1L		P2-49 P1-A5					.15 .18	NO NO		14 8, 13	
A	1R		P2-28 P1-A4					.15 .18	NO NO		14 8, 13	
A	2	2			2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	2A	1	SHLD A2 P2-42					.25 .15	NO NO		14	
A	2B	1	P1-A12 SHLD A2					.18 .25	NO NO		8, 13	
A	2L		P2-43 P1-A11					.15 .18	NO NO		14 19, 13	
A	2R		P2-67 P1-A10					.15 .18	NO NO		14 19, 13	
A	3	2			2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	3L		P2-22 P1-A20					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 6 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3R		P2-9 P1-A21					.15 .18	NO NO		14 19, 13	
A	4	2			2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A	4L		P2-41 P1-B22					.15 .18	NO NO		14 19, 13	
A	4R		P2-66 P1-A22					.15 .18	NO NO		14 19, 13	
A	5	2			2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	5A	1	SHLD A5 P2-33					.25 .15	NO NO		14	
A	5B	1	P1-B3 SHLD A5					.18 .25	NO NO		8, 13	
A	5L		P2-17 P1-B1					.15 .18	NO NO		14 19, 13	
A	5R		P2-16 P1-B2					.15 .18	NO NO		14 19, 13	
A	6	2			2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	6A	1	SHLD A6 P2-53					.25 .15	NO NO		14	
A	6B	1	P1-B6 SHLD A6					.18 .25	NO NO		8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR D	SHEET 7 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L		P2-54 P1-B5					.15 .18	NO NO		14 19, 13	
A	6R		P2-78 P1-B4					.15 .18	NO NO		14 19, 13	
A	7	2			2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A	7A	1	SHLD A7 P2-45					.25 .15	NO NO		14	
A	7B	1	P1-B12 SHLD A7					.18 .25	NO NO		8, 13	
A	7L		P2-46 P1-B11					.15 .18	NO NO		14 19, 13	
A	7R		P2-70 P1-B10					.15 .18	NO NO		14 19, 13	
A	8	3			3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	8A	1	SHLD A8 P2-38					.25 .15	NO NO		14	
A	8B	1	P1-B17 SHLD A8					.18 .25	NO NO		8, 13	
A	8L		P2-63 P1-F17					.15 .18	NO NO		14, 20 19, 13	
A	8R		P2-39 P1-C17					.15 .18	NO NO		14, 20 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR F	SHEET 8 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8W		P2-64 P1-D17					.15 .18	NO NO		14, 20 19, 13	
A	9	3			3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	9A	1	SHLD A9 P2-59					.25 .15	NO NO		14	
A	9B	1	P1-B18 SHLD A9					.18 .25	NO NO		8, 13	
A	9L		P2-84 P1-F18					.15 .18	NO NO		14, 20 19, 13	
A	9R		P2-60 P1-C18					.15 .18	NO NO		14, 20 19, 13	
A	9W		P2-85 P1-D18					.15 .18	NO NO		14, 20 19, 13	
A	10	3			3.30 3.30	3.00 3.00				A,6B A,6B	9, 11 9, 11	
A	10A	1	SHLD A10 P2-80					.25 .15	NO NO		14	
A	10B	1	P1-B19 SHLD A10					.18 .25	NO NO		8, 13	
A	10L		P2-81 P1-F19					.15 .18	NO NO		14, 20 19, 13	
A	10R		P2-56 P1-C19					.15 .18	NO NO		14, 20 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR F	SHEET 9 OF 17

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10W			P2-57 P1-B19					.15 .18	NO NO		14, 20 19, 13	
A 11	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 11L			P2-58 P1-B20					.15 .18	NO NO		14 19, 13	
A 11R			P2-82 P1-B21					.15 .18	NO NO		14 19, 13	
A 12	1		P1-G17 E1					.18 .25	NO NO		8, 13	
A 13	1		P1-G18 E1					.18 .25	NO NO		8, 13	
A 14	1		P1-G19 E1					.18 .25	NO NO		8, 13	
A 15	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 15A	1		SHLD A15 P2-27					.25 .15	NO NO		 14	
A 15B	1		P1-C3 SHLD A15					.18 .25	NO NO		8, 13	
A 15L			P2-12 P1-C1					.15 .18	NO NO		14 19, 13	
A 15R			P2-26 P1-C2					.15 .18	NO NO		14 19, 13	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR F
SHEET 10 OF 17

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 16A	1		SHLD A16 P2-29					.25 .15	NO NO		 14	
A 16B	1		P1-C6 SHLD A16					.18 .25	NO NO		8, 13	
A 16L			P2-13 P1-C5					.15 .18	NO NO		14 19, 13	
A 16R			P2-14 P1-C4					.15 .18	NO NO		14 19, 13	
A 17	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 17A	1		SHLD A17 P2-44					.25 .15	NO NO		 14	
A 17B	1		P1-C12 SHLD A17					.18 .25	NO NO		8, 13	
A 17L			P2-68 P1-C11					.15 .18	NO NO		14 19, 13	
A 17R			P2-69 P1-C10					.15 .18	NO NO		14 19, 13	
A 18	1		P1-C14 P1-A17					.18 .18	NO NO		8, 13 8, 13	
A 19	1		P1-C16 P1-A14					.18 .18	NO NO		8, 13 8, 13	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR ~~E~~D
SHEET 11 OF 17

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 20L			P1-C21 P2-24					.18 .15	NO NO		19, 13 14	
A 20R			P1-C20 P2-23					.18 .15	NO NO		19, 13 14	
A 21	1		P1-C22 P2-3					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 22	1		~~P1-C23~~ P1-F14 P1-G14					.18 .18	NO NO		8, 13 8, 13	
A 23	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 23A	1		SHLD A23 P2-47					.25 .15	NO NO		 14	
A 23B	1		P1-D3 SHLD A23					.18 .25	NO NO		8, 13	
A 23L			P2-71 P1-D1					.15 .18	NO NO		14 19, 13	
A 23R			P2-72 P1-D2					.15 .18	NO NO		14 19, 13	
A 24	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 24A	1		SHLD A24 P2-50					.25 .15	NO NO		 14	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR ~~E~~D
SHEET 12 OF 17

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24B	1		P1-D6 SHLD A24					.18 .25	NO NO		8, 13	
A 24L			P2-75 P1-D5					.15 .18	NO NO		14 19, 13	
A 24R			P2-74 P1-D4					.15 .18	NO NO		14 19, 13	
A 25	1		P1-D14 P1-A18					.18 .18	NO NO		8, 13 8, 13	
A 26	1		P1-D15 E1					.18 .25	NO NO		8, 13	
A 27	1		P1-D16 P1-A15					.18 .18	NO NO		8, 13 8, 13	
A 28	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 28L			P1-D20 P2-34					.18 .15	NO NO		19, 13 14	
A 28R			P1-D21 P2-35					.18 .15	NO NO		19, 13 14	
A 29	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 29L			P1-D24 P2-6					.18 .15	NO NO		19, 13 14	
A 29R			P1-D22 P2-18					.18 .15	NO NO		19, 13 14	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE
REV LTR ~~E~~D
SHEET 13 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 D
ED

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	1		P1-C23 P2-2					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 31	1		P1-G15 P1-F16					.18 .18	NO NO		8, 13 8, 13	
A 32	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 32A	1		SHLD A32 P2-30					.25 .15	NO NO		14	
A 32B	1		P1-F6 SHLD A32					.18 .25	NO NO		8, 13	
A 32L			P2-15 P1-F5					.15 .18	NO NO		14 19, 13	
A 32R			P2-31 P1-F4					.15 .18	NO NO		14 19, 13	
A 33	1		P1-F15 E2					.18 .25	NO NO		8, 13	
A 34	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 34L			P1-F20 P2-10					.18 .15	NO NO		19, 13 14	
A 34R			P1-F21 P2-11					.18 .15	NO NO		19, 13 14	
A 35	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ED	SHEET 14 OF 17

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CABLE ASSEMBLY W158 2900664 ED

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35L			P1-F24 P2-5					.18 .15	NO NO		19, 13 14	
A 35R			P1-G24 P2-4					.18 .15	NO NO		19, 13 14	
A 36	1		P1-A16 E2					.18 .25	NO NO		8, 13	
A 37	1		P1-A19 E2					.18 .25	NO NO		8, 13	
A 38	1		P1-G16 E2					.18 .25	NO NO		8, 13	
A 39	2				2.30 2.30	2.00 2.00				A,6B A,6B	9, 11 9, 11	
A 39A	1		SHLD A39 P2-52					.25 .15	NO NO		14	
A 39B	1		P1-G6 SHLD A39					.18 .25	NO NO		8, 13	
A 39L			P2-51 P1-G5					.15 .18	NO NO		14 19, 13	
A 39R			P2-76 P1-G4					.15 .18	NO NO		14 19, 13	
A 40	2				2.80 2.80	2.50 2.50				B,7 B,7	12 12	
A 40L			P1-G20 P2-37					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ED	SHEET 15 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 D
E

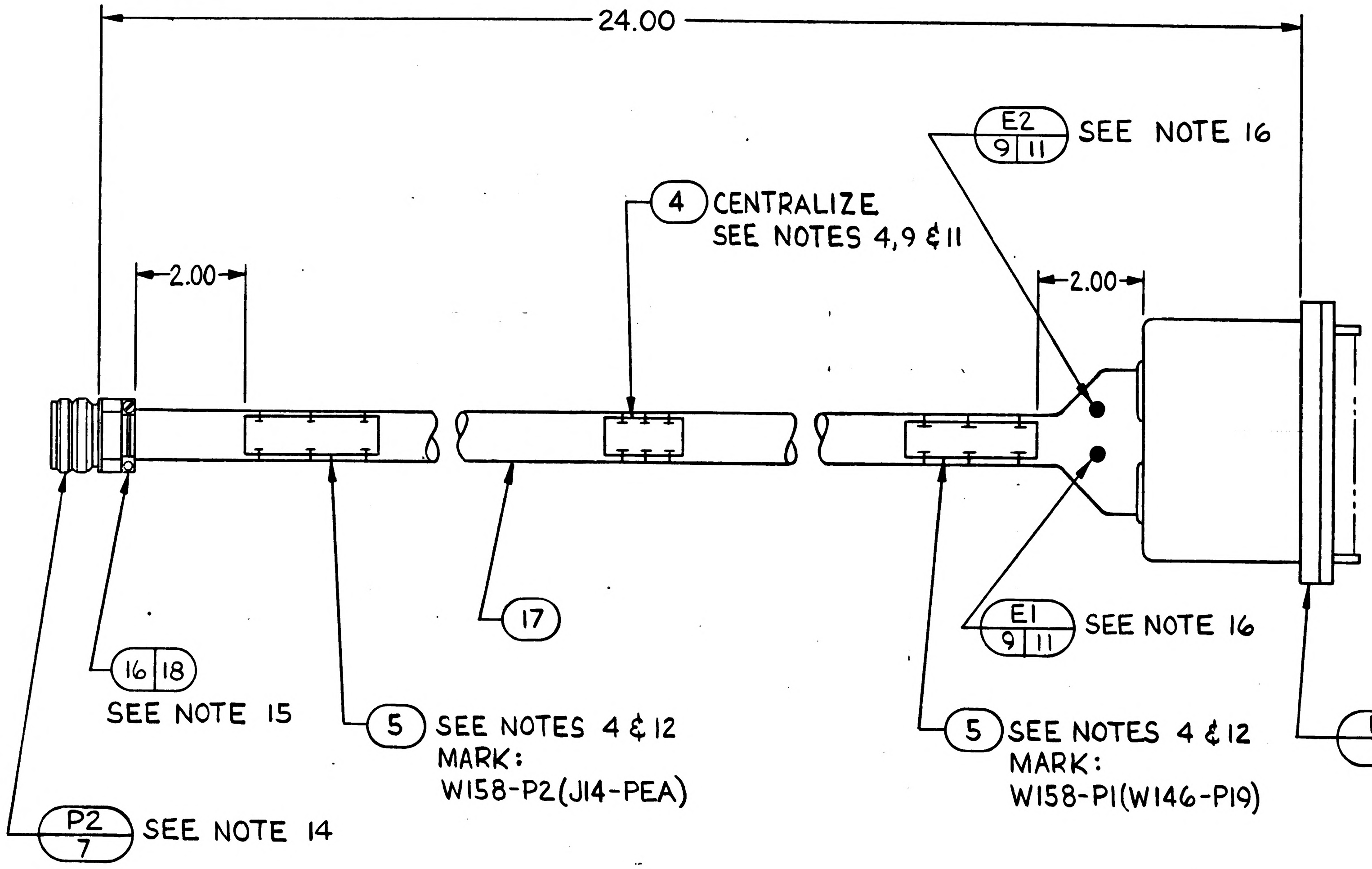
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40R			P1-G21 P2-61					.18 .15	NO NO		19, 13 14	
A 41	1		P1-D23 P2-19					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 42	1		P1-F23 P2-8					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A 43	1		P1-G23 P2-7					.18 .15	NO NO		8, 13 14	SEE NOTE 13

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR ED	SHEET 16 OF 17

MIL 2084 9-65

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.


24.00
2.00
2.00
4 CENTRALIZE SEE NOTES 4,9 & 11
E2 9 11 SEE NOTE 16
E1 9 11 SEE NOTE 16
16 18 SEE NOTE 15
5 SEE NOTES 4 & 12 MARK: W158-P2(J14-PEA)
17
5 SEE NOTES 4 & 12 MARK: W158-P1(W146-P19)
P1 6
P2 7 SEE NOTE 14

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct '65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. Metzger/RJT
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W158

CODE IDENT NO. 99974
SIZE C
2900664
SCALE 1:2
SHEET 17 OF 17

MIL 1077C-P

2900664

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	B	REPLACES REV. A WITH CHANGE PER MXC 206468 PER TDRR	3 NOV. 65	JWP AU
		C	REVISED PER MXC 207207	1 DEC 65	RLP
	Ⓜ	D	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	Em
		E	REVISED PER TDRR 25702	4 FEB 66	RLP
	Ⓜ	F	REVISED PER TDRR 25571	8 FEB 66	RLP PJ
		G	REVISED PER TDRR 28988	24 MAY 66	JMP

Charleston
29 Oct 65

REV																					
SHEET																					
REV STATUS	REV			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN E. Miller DATE 27 OCT 65
CHECKED Ed Foster 29 OCT 65
APPROVAL E. Swanson 29 Oct '65
APPROVAL J. M Watson 12-11-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W158

NASA APPROVAL A. Metzger /RTT
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900664	G

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 18

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
8	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE
11	SERIALIZE PER ND1002023.
12	MARK IDENTIFICATION BANDS AS NOTED .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

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SCALE-NONE REV LTR G

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	THE FOLLOWING LEADS ARE TO BE TWISTED TOGETHER IN ACCORDANCE WITH THE BEST COMMERCIAL PRACTICE. THEY SHALL BE TWISTED WITH A LAY NOT GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE PITCH DIAMETER A21, A30 A41, A42, A43
14	LEADS MUST PASS THROUGH GROMMET HOLES OF ITEM 7 PRIOR TO CRIMPING CONTACTS TO LEADS.
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND STRAIN RELIEF CLAMP USING ITEM 10 TO SECURE WIRE BUNDLE IN THE CLAMP.
16	POSITION IDENTIFICATION SLEEVE ADJACENT TO SOLDER SLEEVE.
17	SECURE LEADS IN STRAIN RELIEF CLAMP IN THE FOLLOWING MANNER; SPOT TIE LEADS IN GROUPS OF APPROXIMATELY 10 TO 20 LEADS EACH ADJACENT TO STRAIN RELIEF CLAMP. WRAP WIRE BUNDLE USING ITEM 21 TO PROTECT WIRES FROM ABRASION. WRAP WIRE BUNDLE USING ITEM 10, AS REQUIRED, TO FIRMLY SECURE ALL LEADS IN STRAIN RELIEF CLAMP. SPOT TIE THE CABLE BUNDLES USING ITEM 15 ADJACENT TO CONNECTOR BACKSHELL GROMMETS AND TIGHTLY SECURE LACING CORD ENDS TO STRAIN RELIEF CLAMP.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK.

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CODE IDENT NO. 99974
2900664
SCALE-NONE REV LTR G

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE REV LTR G

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900664-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT, 33 FT TOTAL LENGTH
	2	1	2900664-002	WIRE, ND1002181, TYPE 2, CLASS 4, 24AWG, WHT JKT, WHT-RED,WHT-BLU, 42 FT TOTAL LENGTH
	3	1	2900664-003	WIRE, 1010707-2, RED JKT, 29AWG, WHT-RED-BLUE, 6 FT. TOTAL LENGTH.
6	4	1	1016128-011	BAND, IDENTIFICATION, BLANK
6	5	2	1016128-041	BAND, IDENTIFICATION, BLANK
	6	1	2900779-011	CONNECTOR, SOCKET, ELECTRICAL-192 PIN
6	7	1	1897249-001	CONNECTOR, PLUG ELECTRICAL
6	8	42	1897300-002	CONTACT, ELECTRICAL SPRING SOCKET
6	9	32	1010763-002	SLEEVE, SOLDER, ELECTRICAL
	10	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T (BLACK) GRADE A, CLASS 1 5/8 IN. WIDE, .02 IN. THICK.
6	11	32	1010490-228	INSULATION-SLEEVING, ELECTRICAL
6	12	18	1010490-226	INSULATION-SLEEVING, ELECTRICAL
6	13	91	1015864-232	INSULATION-SLEEVING, ELECTRICAL
6	14	71	1897190-002	CONTACT, ELECTRICAL
	15	AR	MIL-T-7138	LACING TAPE, TYPE P, CLASS 2, BLACK
6	16	1	1010933-105	CLAMP, CABLE

SIZE A
CODE IDENT NO. 99974
2900664
SCALE-NONE REV LTR G

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
18	17	1	2900664-004	ZIPPER TUBING, ND1002155, TYPE 1, GRAY 1.00 INCH DIA, 2 FT TOTAL LENGTH
6	18	1	1016282- 22	GROMMET, RUBBER
6	19	49	1897300-003	CONTACT, ELECTRICAL SPRING SOCKET
6	20	9	1010862	BUSHING, SLEEVE
	21	AR	MIL-I-15126F	INSULATION TAPE, ELECTRICAL PRESSURE SENSITIVE THERMOSETTING ADHESIVE TYPE ACT, .75 PLUS OR MINUS .03 IN. WIDE (ES2716 TYPE C).

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 6 OF 18

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	1A	1		SHLD A1					.25	NO			
				P2-48					.15	NO		14	
A	1B	1		P1-A6					.18	NO		8, 13	
				SHLD A1					.25	NO			
A	1L			P2-49					.15	NO		14	
				P1-A5					.18	NO		8, 13	
A	1R			P2-28					.15	NO		14	
				P1-A4					.18	NO		8, 13	
A	2	2				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	2A	1		SHLD A2					.25	NO			
				P2-42					.15	NO		14	
A	2B	1		P1-A12					.18	NO		8, 13	
				SHLD A2					.25	NO			
A	2L			P2-43					.15	NO		14	
				P1-A11					.18	NO		19, 13	
A	2R			P2-67					.15	NO		14	
				P1-A10					.18	NO		19, 13	
A	3	2				3.80	3.50				B,7	12	
						4.30	4.00				B,7	12	
A	3L			P2-22					.15	NO		14	
				P1-A20					.18	NO		19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 7 OF 18

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	3R			P2-9					.15	NO		14	
				P1-A21					.18	NO		19, 13	
A	4	2				3.80	3.50				B,7	12	
						4.30	4.00				B,7	12	
A	4L			P2-41					.15	NO		14	
				P1-B22					.18	NO		19, 13	
A	4R			P2-66					.15	NO		14	
				P1-A22					.18	NO		19, 13	
A	5	2				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	5A	1		SHLD A5					.25	NO			
				P2-33					.15	NO		14	
A	5B	1		P1-B3					.18	NO		8, 13	
				SHLD A5					.25	NO			
A	5L			P2-17					.15	NO		14	
				P1-B1					.18	NO		19, 13	
A	5R			P[illegible]6					.15	NO		14	
				[illegible]2					.18	NO		19, 13	
A	6	2				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	6A	1		SHLD A6					.25	NO			
				P2-53					.15	NO		14	
A	6B	1		P1-B6					.18	NO		8, 13	
				SHLD A6					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 8 OF 18

LEAD	IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	6L			P2-54					.15	NO		14	
				P1-B5					.18	NO		19, 13	
A	6R			P2-78					.15	NO		14	
				P1-B4					.18	NO		19, 13	
A	7	2				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	7A	1		SHLD A7					.25	NO			
				P2-45					.15	NO		14	
A	7B	1		P1-B12					.18	NO		8, 13	
				SHLD A7					.25	NO			
A	7L			P2-46					.15	NO		14	
				P1-B11					.18	NO		19, 13	
A	7R			P2-70					.15	NO		14	
				P1-B10					.18	NO		19, 13	
A	8	3				3.30	3.00				A,68	9, 11	
						3.80	3.50				A,68	9, 11	
A	8A	1		SHLD A8					.25	NO			
				P2-38					.15	NO		14	
A	8B	1		P1-B17					.18	NO		8, 13	
				SHLD A8					.25	NO			
A	8L			P2-63					.15	NO		14, 20	
				P1-F17					.18	NO		19, 13	
A	8R			P2-39					.15	NO		14, 20	
				P1-C17					.18	NO		19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 9 OF 18

CABLE ASSEMBLY W158 2900664 G

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	8W			P2-64 P1-D17					.15 .18	NO NO		14, 20 19, 13	
A	9	3				3.30 3.80	3.00 3.50				A,6B A,6B	9, 11 9, 11	
A	9A	1		SHLD A9 P2-59					.25 .15	NO NO		 14	
A	9B	1		P1-B18 SHLD A9					.18 .25	NO NO		8, 13	
A	9L			P2-84 P1-F18					.15 .18	NO NO		14, 20 19, 13	
A	9R			P2-60 P1-C18					.15 .18	NO NO		14, 20 19, 13	
A	9W			P2-85 P1-D18					.15 .18	NO NO		14, 20 19, 13	
A	10	3				3.30 3.80	3.00 3.50				A,6B A,6B	9, 11 9, 11	
A	10A	1		SHLD A10 P2-80					.25 .15	NO NO		 14	
A	10B	1		P1-B19 SHLD A10					.18 .25	NO NO		8, 13	
A	10L			P2-81 P1-F19					.15 .18	NO NO		14, 20 19, 13	
A	10R			P2-56 P1-C19					.15 .18	NO NO		14, 20 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 10 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 G

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10W			P2-57 P1-D19					.15 .18	NO NO		14, 20 19, 13	
A	11	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	11L			P2-58 P1-B20					.15 .18	NO NO		14 19, 13	
A	11R			P2-82 P1-B21					.15 .18	NO NO		14 19, 13	
A	12	1		P1-G17 E1					.18 .25	NO NO		8, 13	
A	13	1		P1-G18 E1					.18 .25	NO NO		8, 13	
A	14	1		P1-G19 E1					.18 .25	NO NO		8, 13	
A	15	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	15A	1		SHLD A15 P2-27					.25 .15	NO NO		 14	
A	15B	1		P1-C3 SHLD A15					.18 .25	NO NO		8, 13	
A	15L			P2-12 P1-C1					.15 .18	NO NO		14 19, 13	
A	15R			P2-26 P1-C2					.15 .18	NO NO		14 19, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 11 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 G

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	16	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	16A	1		SHLD A16 P2-29					.25 .15	NO NO		 14	
A	16B	1		P1-C6 SHLD A16					.18 .25	NO NO		8, 13	
A	16L			P2-13 P1-C5					.15 .18	NO NO		14 19, 13	
A	16R			P2-14 P1-C4					.15 .18	NO NO		14 19, 13	
A	17	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	17A	1		SHLD A17 P2-44					.25 .15	NO NO		 14	
A	17B	1		P1-C12 SHLD A17					.18 .25	NO NO		8, 13	
A	17L			P2-68 P1-C11					.15 .18	NO NO		14 19, 13	
A	17R			P2-69 P1-C10					.15 .18	NO NO		14 19, 13	
A	18	1		P1-C14 P1-A17					.18 .18	NO NO		8, 13 8, 13	
A	19	1		P1-C16 P1-A14					.18 .18	NO NO		8, 13 8, 13	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 12 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W158 2900664 G

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	20	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	20L			P1-C21 P2-24					.18 .15	NO NO		19, 13 14	
A	20R			P1-C20 P2-23					.18 .15	NO NO		19, 13 14	
A	21	1		P1-C22 P2-3					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	22	1		P1-C29 P1-G14					.18 .18	NO NO		8, 13 8, 13	
A	23	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	23A	1		SHLD A23 P2-47					.25 .15	NO NO		 14	
A	23B	1		P1-D3 SHLD A23					.18 .25	NO NO		8, 13	
A	23L			P2-71 P1-D1					.15 .18	NO NO		14 19, 13	
A	23R			P2-72 P1-D2					.15 .18	NO NO		14 19, 13	
A	24	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	24A	1		SHLD A24 P2-50					.25 .15	NO NO		 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 13 OF 18

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	24B	1		P1-D6 SHLD A24					.18 .25	NO NO		8, 13	
A	24L			P2-75 P1-D5					.15 .18	NO NO		14 19, 13	
A	24R			P2-74 P1-D4					.15 .18	NO NO		14 19, 13	
A	25	1		P1-D14 P1-A18					.18 .18	NO NO		8, 13 8, 13	
A	26	1		P1-D15 E1					.18 .25	NO NO		8, 13	
A	27	1		P1-D16 P1-A15					.18 .18	NO NO		8, 13 8, 13	
A	28	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	28L			P1-D20 P2-34					.18 .15	NO NO		19, 13 14	
A	28R			P1-D21 P2-35					.18 .15	NO NO		19, 13 14	
A	29	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	29L			P1-D24 P2-6					.18 .15	NO NO		19, 13 14	
A	29R			P1-D22 P2-18					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 14 OF 18

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	30	1		P1-C23 P2-2					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	31	1		P1-G15 P1-F16					.18 .18	NO NO		8, 13 8, 13	
A	32	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	32A	1		SHLD A32 P2-30					.25 .15	NO NO		 14	
A	32B	1		P1-F6 SHLD A32					.18 .25	NO NO		8, 13	
A	32L			P2-15 P1-F5					.15 .18	NO NO		14 19, 13	
A	32R			P2-31 P1-F4					.15 .18	NO NO		14 19, 13	
A	33	1		P1-F15 E2					.18 .25	NO NO		8, 13	
A	34	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	34L			P1-F20 P2-10					.18 .15	NO NO		19, 13 14	
A	34R			P1-F21 P2-11					.18 .15	NO NO		19, 13 14	
A	35	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 15 OF 18

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	35L			P1-F24 P2-5					.18 .15	NO NO		19, 13 14	
A	35R			P1-G24 P2-4					.18 .15	NO NO		19, 13 14	
A	36	1		P1-A16 E2					.18 .25	NO NO		8, 13	
A	37	1		P1-A19 E2					.18 .25	NO NO		8, 13	
A	38	1		P1-G16 E2					.18 .25	NO NO		8, 13	
A	39	2				4.30 4.80	4.00 4.50				A,6B A,6B	9, 11 9, 11	
A	39A	1		SHLD A39 P2-52					.25 .15	NO NO		 14	
A	39B	1		P1-G6 SHLD A39					.18 .25	NO NO		8, 13	
A	39L			P2-51 P1-G5					.15 .18	NO NO		14 19, 13	
A	39R			P2-76 P1-G4					.15 .18	NO NO		14 19, 13	
A	40	2				3.80 4.30	3.50 4.00				B,7 B,7	12 12	
A	40L			P1-G20 P2-37					.18 .15	NO NO		19, 13 14	

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 16 OF 18

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	40R			P1-G21 P2-61					.18 .15	NO NO		19, 13 14	
A	41	1		P1-D23 P2-19					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	42	1		P1-F23 P2-8					.18 .15	NO NO		8, 13 14	SEE NOTE 13
A	43	1		P1-G23 P2-7					.18 .15	NO NO		8, 13 14	SEE NOTE 13

SIZE	CODE IDENT NO.	
A	99974	2900664
SCALE-NONE	REV LTR G	SHEET 17 OF 18

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV (-) WORD DWG WITH CHANGE PER MXC 207272	6 DEC 65	JWP MEM
		B	REVISED PER MXC 207593	13 DEC 65	RLP W. A
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R.

Charleston.
29 NOV 65

REV																		
SHEET																		
REV STATUS OF SHEETS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN C. M. Kulp DATE 26 NOV 65
CHECKED Ed Foster 29 NOV 65
APPROVAL E. Swanson 29 Nov 65
APPROVAL J. M. Watson 12-20-65

NASA APPROVAL a. morgan/RJS
MIT APPROVAL W Kupfer

CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO.	SIZE		REV
99974	A	2900665	C

SCALE

SHEET 1 OF 17

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS TO SLEEVES PER ND1002019. LOCATE ADJACENT TO SOLDER SLEEVES.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.

6 ASSEMBLE PER ND1002032.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET OR CLAMP USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

9 SECURE TO CABLE USING ITEM 18. MARKING TO READ AWAY FROM THE CONNECTOR ALIGN CENTER LINES OF BAND AND CONNECTOR MASTER KEY SLOT TO BE COLINEAR WITHIN + OR - 0.25 INCH.

10 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED PER ND1002019. CENTRALIZE.

11 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

12 SERIALIZE PER ND1002023.

13 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES, P2 ONLY.

14 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 2 OF 17

NOTE GENERAL NOTES

NUMBER DESCRIPTION

15 CRIMP BRAID PIGTAILS (3 EACH) IN E2, E3 AND E4.

16 ZIPPER TUBING ENDS MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT EACH END.

17 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
Y - WHITE WITH YELLOW TRACER.

18 ZIPPER TUBING SHALL HAVE Z TYPE TRACK WITH .003 ±.001 ALUMINUM FOIL.

19 SEE NOTES 16 AND 18.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

20 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E6-B, E7-B & E10-B RESPECTIVELY.

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 3 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	1	1	1897247-005	CONNECTOR, PLUG-ELEC.
	2	1	MS3126F24-61PY	(1897047-613)CONNECTOR, PLUG-ELEC.
7	3	1	1897249-003	CONNECTOR PLUG ELEC.
	4	1	2900665-001	WIRE, ND1002181, TYPE1, CLASS1 22AWG, WHT., 1040FT. TOTAL LENGTH
	5	1	2900665-002	WIRE, ND1002181, TYPE1, CLASS1, 20AWG, WHT., 3 FT. TOTAL LENGTH
	6	1	2900665-003	WIRE, ND1002181, TYPE2, CLASS4, WHT. JKT., 22AWG, WHT/RED, WHT/BLU, 260FT. TOTAL LENGTH
	7	1	2900665-004	WIRE, ND1002181, TYPE3, CLASS4, WHT. JKT., 22AWG, WHT/RED, WHT/BLU, WHT/YEL, 175FT. TOTAL LENGTH
7	8	6	1010763- 2	SOLDER SLEEVE
7	9	1	1016128-011	BAND IDENTIFICATION
7	10	43	1010490-228	INSULATION SLEEVING
7	11	4	1010490-258	INSULATION SLEEVING
7	12	4	1016006-002	SPLICE REDUCER
7	13		1897190- 2	CONTACT SOCKET
	14		MS3192A20A	CONTACT PIN
7	15	1	1010933-105	CLAMP STRAIN RELIEF
7	16	1	1010933-104	CLAMP STRAIN RELIEF

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 4 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	1901390	FILLER TAPE
	18	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS2 BLACK(ES2732 NO.18)
7	19	3	1016128-041	BAND IDENTIFICATION
7	20	1	1016282- 18	GROMMET
	21	1	1016282- 16	GROMMET
19	22	1	2900665-005	ZIPPER TUBING PER ND1002155, TYPE 111 1.50 DIA., 16 FT TOTAL LENGTH
19	23	1	2900665-006	ZIPPER TUBING PER ND1002155, TYPE 111 1.25 DIA 10 FT TOTAL LENGTH
19	24	1	2900665-007	ZIPPER TUBING PER ND1002155, TYPE 111 1.00 DIA 21 FT TOTAL LENGTH
19	25	1	2900665-008	ZIPPER TUBING PER ND1002155, TYPE 111 .88 DIA 2.50 FT TOTAL LENGTH
~~19~~	26	~~1~~	DELETED ~~2900665-009~~	~~ZIPPER TUBING PER ND1002155, TYPE 111 .63 DIA 2.50 FT TOTAL LENGTH~~
19	27	1	2900665-010	ZIPPER TUBING PER ND1002155, TYPE 111 .50 DIA 2.50 FT TOTAL LENGTH
7	28	3	1016006-004	SPLICE REDUCER
7	29	3	1010490-402	INSULATION SLEEVING
7	30	3	1015902-49	TERMINAL LUG

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 5 OF 17

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	~~6~~		DELETED		~~2.30~~ ~~2.30~~	~~2.00~~ ~~2.00~~				~~B,7~~ ~~A,6A~~	~~10~~ ~~8, 10~~	
A 1B	~~4~~		DELETED ~~E1~~ ~~SHLD A1~~					~~.38~~ ~~.25~~	~~NO~~ ~~NO~~			
A 1L			DELETED ~~P1-34~~ ~~P2-H*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 1R			DELETED ~~P1-56~~ ~~P2-G*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 2	~~6~~		DELETED		~~2.30~~ ~~2.30~~	~~2.00~~ ~~2.00~~				~~B,7~~ ~~A,6A~~	~~10~~ ~~8, 10~~	
A 2B	~~4~~		~~E1~~ DELETED ~~SHLD A2~~					~~.38~~ ~~.25~~	~~NO~~ ~~NO~~			
A 2L			~~P1-58~~ DELETED ~~P2-J*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 2R			~~P1-57~~ DELETED ~~P2-I*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 3	~~6~~		DELETED		~~2.30~~ ~~2.30~~	~~2.00~~ ~~2.00~~				~~B,7~~ ~~A,6A~~	~~10~~ ~~8, 10~~	
A 3B	~~4~~		~~E1~~ DELETED ~~SHLD A3~~					~~.38~~ ~~.25~~	~~NO~~ ~~NO~~			
A 3L			~~P1-33~~ DELETED ~~P2-D*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 3R			~~P1-55~~ DELETED ~~P2-C*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 6 OF ~~16~~ 17

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4	~~6~~		DELETED		~~2.30~~ ~~2.30~~	~~2.00~~ ~~2.00~~				~~B,7~~ ~~A,6A~~	~~10~~ ~~8, 10~~	
A 4B	~~4~~		~~E1~~ DELETED ~~SHLD A4~~					~~.38~~ ~~.25~~	~~NO~~ ~~NO~~			
A 4L			~~P1-35~~ DELETED ~~P2-F*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 4R			~~P1-59~~ DELETED ~~P2-E*~~					~~.15~~ ~~.22~~	~~NO~~ ~~NO~~		~~13~~ ~~14~~	
A 5	7				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A 5L			P1-43 P3-78					.15 .15	NO NO		13 13	
A 5R			P1-44 P3-51					.15 .15	NO NO		13 13	
A 5Y			P1-24 P3-77					.15 .15	NO NO		13 13	
A 6	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 6L			P1-23 P3-79					.15 .15	NO NO		13 13	
A 6R			P1-42 P3-76					.15 .15	NO NO		13 13	
A 6Y			P1-41 P3-49					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 7 OF ~~16~~ 17

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 7L			P1-10 P3-48					.15 .15	NO NO		13 13	
A 7R			P1-22 P3-28					.15 .15	NO NO		13 13	
A 7Y			P1-9 P3-30					.15 .15	NO NO		13 13	
A 8	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 8L			P1-46 P3-9					.15 .15	NO NO		13 13	
A 8R			P1-45 P3-2					.15 .15	NO NO		13 13	
A 8Y			P1-47 P3-22					.15 .15	NO NO		13 13	
A 9	6				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 9L			P1-49 P3-66					.15 .15	NO NO		13 13	
A 9R			P1-48 P3-41					.15 .15	NO NO		13 13	
A 10	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 8 OF ~~16~~ 17

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10L			P1-27 P3-10					.15 .15	NO NO		13 13	
A 10R			P1-28 P3-3					.15 .15	NO NO		13 13	
A 10Y			P1-26 P3-23					.15 .15	NO NO		13 13	
A 11	6				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 11L			P1-11 P3-67					.15 .15	NO NO		13 13	
A 11R			P1-25 P3-42					.15 .15	NO NO		13 13	
A 12	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 12L			P1-13 P3-11					.15 .15	NO NO		13 13	
A 12R			P1-12 P3-12					.15 .15	NO NO		13 13	
A 12Y			P1-4 P3-24					.15 .15	NO NO		13 13	
A 13	6				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 13L			P1-1 P3-68					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 9 OF ~~16~~ 17

CABLE ASSEMBLY W160 2900665 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13R			P1-3 P3-43					.15 .15	NO NO		13 13	
A	14	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A	14L			P1-51 P3-26					.15 .15	NO NO		13 13	
A	14R			P1-50 P3-27					.15 .15	NO NO		13 13	
A	14Y			P1-52 P3-25					.15 .15	NO NO		13 13	
A	15	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A	15L			P1-54 P3-69					.15 .15	NO NO		13 13	
A	15R			P1-53 P3-44					.15 .15	NO NO		13 13	
A	15Y			P1-31 P3-18					.15 .15	NO NO		13 13	
A	16	7				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A	16L			P1-29 P3-47					.15 .15	NO NO		13 13	
A	16R			P1-30 P3-71					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 10 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	16Y			P1-32 P3-46					.15 .15	NO NO		13 13	
A	17	7				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A	17L			P1-15 P3-70					.15 .15	NO NO		13 13	
A	17R			P1-14 P3-45					.15 .15	NO NO		13 13	
A	17Y			P1-16 P3-72					.15 .15	NO NO		13 13	
A	18	6				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A	18L			P1-2 P3-8					.15 .15	NO NO		13 13	
A	18R			P1-5 P3-7					.15 .15	NO NO		13 13	
A	19	6				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A	19L			P1-7 P3-21					.15 .15	NO NO		13 13	
A	19R			P1-8 P3-1					.15 .15	NO NO		13 13	
A	20	4		P1-6 P3-73					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 11 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	4		P1-21 P3-75					.15 .15	NO NO		13 13	
A	22	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A	22A	4		SHLD A22 E1					.25 .38	NO NO			
A	22L			P2-M* P3-40					.22 .15	NO NO		14 13	
A	22R			P2-K* P3-38					.22 .15	NO NO		14 13	
A	23	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A	23A	4		SHLD A23 E1					.25 .38	NO NO			
A	23L			P2-P* P3-4					.22 .15	NO NO		14 13	
A	23R			P2-N* P3-5					.22 .15	NO NO		14 13	
A	24	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A	24A	4		SHLD A24 E1					.25 .38	NO NO			
A	24L			P2-T* P3-65					.22 .15	NO NO		14 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 12 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	24R			P2-S* P3-64					.22 .15	NO NO		14 13	
A	25	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A	25A	4		SHLD A25 E1					.25 .37	NO NO			
A	25L			P2-R* P3-63					.22 .15	NO NO		14 13	
A	25R			P2-Q* P3-62					.22 .15	NO NO		14 13	
A	26	5		E1 P2-M					.38 .22	NO NO		 14	
A	27	4		P2-PP P3-32					.22 .15	NO NO		14 13	
A	28	4		P2-NN P3-15					.22 .15	NO NO		14 13	
A	29	4		P2-MM P3-14					.22 .15	NO NO		14 13	
A	30	4		P2-LL P3-81					.22 .15	NO NO		14 13	
A	31	4		P2-KK P3-82					.22 .15	NO NO		14 13	
A	32	4		P2-JJ P3-80					.22 .15	NO NO		14 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR C	SHEET 13 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	4		P2-HH					.22	NO		14	
			P3-35					.15	NO		13	
A 34	4		P2-GG					.22	NO		14	
			P3-59					.15	NO		13	
A 35	4		P2-FF					.22	NO		14	
			P3-58					.15	NO		13	
A 36	4		P2-E					.22	NO		14	
			P3-36					.15	NO		13	
A 37	4		P2-P					.22	NO		14	
			P3-85					.15	NO		13	
A 38	4		P2-R					.22	NO		14	
			P3-60					.15	NO		13	
A 39	4		P2-A*					.22	NO		14	
			P3-37					.15	NO		13	
A 40	4		P2-T					.22	NO		14	
			P3-19					.15	NO		13	
A 41	4		P2-U					.22	NO		14	
			P3-61					.15	NO		13	
A 42	4		P2-EE					.22	NO		14	
			P3-56					.15	NO		13	
A 43	4		P2-DD					.22	NO		14	
			P3-16					.15	NO		13	
A 44	4		P2-CC					.22	NO		14	
			P3-33					.15	NO		13	

SIZE A | CODE IDENT NO. 99974 | 2900665
SCALE-NONE | REV LTR C | SHEET 14 OF ~~[illegible]~~ 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	4		P2-BB					.22	NO		14	
			P3-34					.15	NO		13	
A 46	4		P2-AA					.22	NO		14	
			P3-6					.15	NO		13	
A 47	4		P2-Z*					.22	NO		14	
			P3-17					.15	NO		13	
A 48	4		P2-H					.22	NO		14	
			P3-83					.15	NO		13	
A 49	4		P2-Y*					.22	NO		14	
			P3-54					.15	NO		13	
A 50	4		P2-J					.22	NO		14	
			P3-84					.15	NO		13	
A 51	4		P2-W*					.22	NO		14	
			P3-55					.15	NO		13	
A 52	4		P2-K					.22	NO		14	
			P3-31					.15	NO		13	
A 53	4		P2-X*					.22	NO		14	
			P3-53					.15	NO		13	
A 54	4		P2-L					.22	NO		14	
			P3-57					.15	NO		13	
A 55	5		E6-BB					.38	NO			
			E5					.20	NO			
A 56	5		E7-BB					.38	NO			
			E8					.20	NO			

SIZE A | CODE IDENT NO. 99974 | 2900665
SCALE-NONE | REV LTR C | SHEET 15 OF ~~[illegible]~~ 17

MIL 2084 9-65

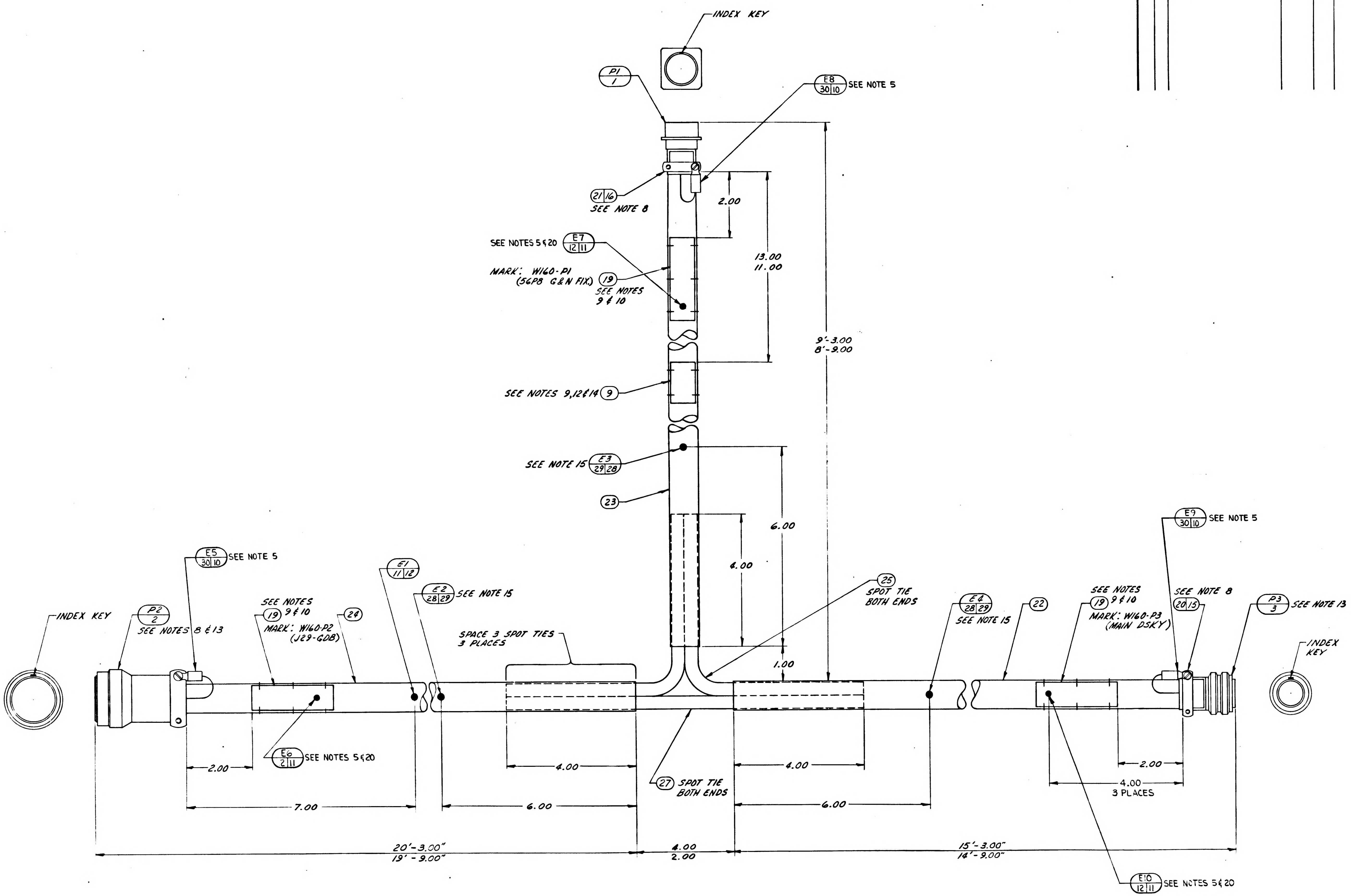
CABLE ASSEMBLY W160 ~~[illegible]~~ 2900665 ~~[illegible]~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	5		E10-BB					.38	NO			
			E9					.20	NO			

SIZE A | CODE IDENT NO. ~~[illegible]~~ 99974 | ~~[illegible]~~ 2900665
SCALE-NONE | REV LTR C | SHEET 16 OF 17

MIL 2084 9-65

REVISIONS -DRR 24-6					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


INDEX KEY
P1 / 1
E8 30 10 SEE NOTE 5
21 16 SEE NOTE 8
2.00
SEE NOTES 5 & 20 E7 12 11
MARK: W160-P1 (5GP8 G&N FIX)
19 SEE NOTES 9 & 10
13.00
11.00
9'-3.00
8'-9.00
SEE NOTES 9,12 & 14 9
SEE NOTE 15 E3 29 28
23
6.00
4.00
1.00
E9 30 10 SEE NOTE 5
E5 30 10 SEE NOTE 5
INDEX KEY
P2 / 2
SEE NOTES 8 & 13
SEE NOTES 19 9 & 10
MARK: W160-P2 (J29-GDB)
24
E1 11 12
E2 28 29 SEE NOTE 15
SPACE 3 SPOT TIES 3 PLACES
25 SPOT TIE BOTH ENDS
E4 28 29 SEE NOTE 15
22
SEE NOTES 19 9 & 10
MARK: W160-P3 (MAIN DSKY)
SEE NOTE 8 20 15
P3 / 3 SEE NOTE 13
INDEX KEY
E6 2 11 SEE NOTES 5 & 20
2.00
7.00
4.00
6.00
27 SPOT TIE BOTH ENDS
4.00
6.00
2.00
4.00 3 PLACES
20'-3.00"
19'-9.00"
4.00
2.00
15'-3.00"
14'-9.00"
E10 12 11 SEE NOTES 5 & 20

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .30 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN C. M. Kulp DATE 26 Nov 65
CHECKED
APPROVAL 29 Nov 65
APPROVAL M. Watson 12-20-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO. 99974
SIZE E
2900665
SCALE FULL
SHEET 1 OF 17

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (-) WORD DWG WITH CHANGE PER MXC 207272	6 DEC 65	JWP MEM
B	REVISED PER MXC 207593	13 DEC 65	RLP W. A.
Ⓜ C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R. RWB
D	REV. PER TDRR 25721	7 FEB 66	HTO

Charleston.
29 NOV 65

REV																		
SHEET																		
REV STATUS OF SHEETS	REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN C. M. Kulp DATE 26 NOV 65
CHECKED Ed Foster 29 Nov 65
APPROVAL E. Swanson 29 Nov 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL a. motyka / RJS
MIT APPROVAL W Kupfer
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO.	SIZE		REV
99974	A	2900665	D

SCALE

SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS TO SLEEVES PER ND1002019. LOCATE ADJACENT TO SOLDER SLEEVES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	ASSEMBLE PER ND1002032.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET OR CLAMP USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
9	SECURE TO CABLE USING ITEM 18. MARKING TO READ AWAY FROM THE CONNECTOR ALIGN CENTER LINES OF BAND AND CONNECTOR MASTER KEY SLOT TO BE COLINEAR WITHIN + OR - 0.25 INCH.
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED PER ND1002019. CENTRALIZE.
11	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
12	SERIALIZE PER ND1002023.
13	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES, P2 ONLY.
14	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	CRIMP BRAID PIGTAILS (3 EACH) IN E2, E3 AND E4.
16	ZIPPER TUBING ENDS MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT EACH END.
17	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. Y - WHITE WITH YELLOW TRACER.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK WITH .003 + OR - .001 ALUMINUM FOIL.
19	SEE NOTES 16 AND 18.
20	SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E6-B, E7-B, AND E10-B RESPECTIVELY.

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	1	1	1897247-005	CONNECTOR,PLUG-ELEC.
	2	1	MS3126F24-61PY	(1897047-613)CONNECTOR,PLUG-ELEC.
7	3	1	1897249-003	CONNECTOR PLUG ELEC.
	4	1	2900665-001	WIRE, ND1002181, TYPE 1 CLASS 1, 22 AWG, WHT., 992 FT. TOTAL LENGTH
	5	1	2900665-002	WIRE,ND1002181,TYPE1,CLASS1,20AWG,WHT., 3 FT. TOTAL LENGTH
	6	1	2900665-003	WIRE,ND1002181,TYPE2,CLASS4,WHT.JKT.,22AWG, WHT/RED,WHT/BLU,260 FT. TOTAL LENGTH
	7	1	2900665-004	WIRE,ND1002181,TYPE3,CLASS4,WHT.JKT.,22AWG, WHT/RED,WHT/BLU,WHT/YEL,175FT. TOTAL LENGTH
7	8	6	1010763- 2	SOLDER SLEEVE
7	9	1	1016128-011	BAND IDENTIFICATION
7	10	43	1010490-228	INSULATION SLEEVING
7	11	4	1010490-258	INSULATION SLEEVING
7	12	4	1016006-002	SPLICE REDUCER
7	13		1897190- 2	CONTACT SOCKET
	14		MS3192A20A	CONTACT PIN
7	15	1	1010933-105	CLAMP STRAIN RELIEF
7	16	1	1010933-104	CLAMP STRAIN RELIEF

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	1901390	FILLER TAPE
	18	AR	MIL-T-713	LACING TAPE,TYPE P,CLASS2 BLACK(ES2732 NO.18)
7	19	3	1016128-041	BAND IDENTIFICATION
7	20	1	1016282- 18	GROMMET
	21	1	1016282- 16	GROMMET
19	22	1	2900665-005	ZIPPER TUBING PER ND1002155, TYPE 111 1.50 DIA., 16 FT TOTAL LENGTH
19	23	1	2900665-006	ZIPPER TUBING PER ND1002155, TYPE 111 1.25 DIA 10 FT TOTAL LENGTH
19	24	1	2900665-007	ZIPPER TUBING PER ND1002155, TYPE 111 1.00 DIA 21 FT TOTAL LENGTH
19	25	1	2900665-008	ZIPPER TUBING PER ND1002155, TYPE 111 .88 DIA 2.50 FT TOTAL LENGTH
	26		2900665-009	DELETED
19	27	1	2900665-010	ZIPPER TUBING PER ND1002155, TYPE 111 .50 DIA 2.50 FT TOTAL LENGTH
7	28	3	1016006-004	SPLICE REDUCER
7	29	3	1010490-402	INSULATION SLEEVING
7	30	3	1015902- 49	TERMINAL LUG

SIZE	CODE IDENT NO.			
A	99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	6 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1			DELETED									
A 1B			DELETED									
A 1L			DELETED									
A 1R			DELETED									
A 2			DELETED									
A 2B			DELETED									
A 2L			DELETED									
A 2R			DELETED									
A 3			DELETED									
A 3B			DELETED									
A 3L			DELETED									
A 3R			DELETED									

SIZE	CODE IDENT NO.			
A	99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	7 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4			DELETED									
A 4B			DELETED									
A 4L			DELETED									
A 4R			DELETED									
A 5	7				2.30 2.30	2.00 2.00				B,7 B,7	10 10	
A 5L			P1-43 P3-78					.15 .15	NO NO		13 13	
A 5R			P1-44 P3-51					.15 .15	NO NO		13 13	
A 5Y			P1-24 P3-77					.15 .15	NO NO		13 13	
A 6	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 6L			P1-23 P3-79					.15 .15	NO NO		13 13	
A 6R			P1-42 P3-76					.15 .15	NO NO		13 13	
A 6Y			P1-41 P3-49					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.			
A	99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	8 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 7L			P1-10 P3-48					.15 .15	NO NO		13 13	
A 7R			P1-22 P3-28					.15 .15	NO NO		13 13	
A 7Y			P1-9 P3-30					.15 .15	NO NO		13 13	
A 8	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 8L			P1-46 P3-9					.15 .15	NO NO		13 13	
A 8R			P1-45 P3-2					.15 .15	NO NO		13 13	
A 8Y			P1-47 P3-22					.15 .15	NO NO		13 13	
A 9	6				2.80 2.80	2.50 2.50				B,7 B,7	10 10	
A 9L			P1-49 P3-66					.15 .15	NO NO		13 13	
A 9R			P1-48 P3-41					.15 .15	NO NO		13 13	
A 10	7				2.80 2.80	2.50 2.50				B,7 B,7	10 10	

SIZE	CODE IDENT NO.			
A	99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	9 OF 17

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10L			P1-27 P3-10					.15 .15	NO NO		13 13	
A 10R			P1-28 P3-3					.15 .15	NO NO		13 13	
A 10Y			P1-26 P3-23					.15 .15	NO NO		13 13	
A 11	6				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 11L			P1-11 P3-67					.15 .15	NO NO		13 13	
A 11R			P1-25 P3-42					.15 .15	NO NO		13 13	
A 12	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 12L			P1-13 P3-11					.15 .15	NO NO		13 13	
A 12R			P1-12 P3-12					.15 .15	NO NO		13 13	
A 12Y			P1-4 P3-24					.15 .15	NO NO		13 13	
A 13	6				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 13L			P1-1 P3-68					.15 .15	NO NO		13 13	

SIZE A	CODE IDENT NO. 99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	10 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13R			P1-3 P3-43					.15 .15	NO NO		13 13	
A 14	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 14L			P1-51 P3-26					.15 .15	NO NO		13 13	
A 14R			P1-50 P3-27					.15 .15	NO NO		13 13	
A 14Y			P1-52 P3-25					.15 .15	NO NO		13 13	
A 15	7				3.30 3.30	3.00 3.00				B,7 B,7	10 10	
A 15L			P1-54 P3-69					.15 .15	NO NO		13 13	
A 15R			P1-53 P3-44					.15 .15	NO NO		13 13	
A 15Y			P1-31 P3-18					.15 .15	NO NO		13 13	
A 16	7				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A 16L			P1-29 P3-47					.15 .15	NO NO		13 13	
A 16R			P1-30 P3-71					.15 .15	NO NO		13 13	

SIZE A	CODE IDENT NO. 99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	11 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16Y			P1-32 P3-46					.15 .15	NO NO		13 13	
A 17	7				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A 17L			P1-15 P3-70					.15 .15	NO NO		13 13	
A 17R			P1-14 P3-45					.15 .15	NO NO		13 13	
A 17Y			P1-16 P3-72					.15 .15	NO NO		13 13	
A 18	6				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A 18L			P1-2 P3-8					.15 .15	NO NO		13 13	
A 18R			P1-5 P3-7					.15 .15	NO NO		13 13	
A 19	6				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
A 19L			P1-7 P3-21					.15 .15	NO NO		13 13	
A 19R			P1-8 P3-1					.15 .15	NO NO		13 13	
A 20			DELETED									

SIZE A	CODE IDENT NO. 99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	12 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W160 2900665 D

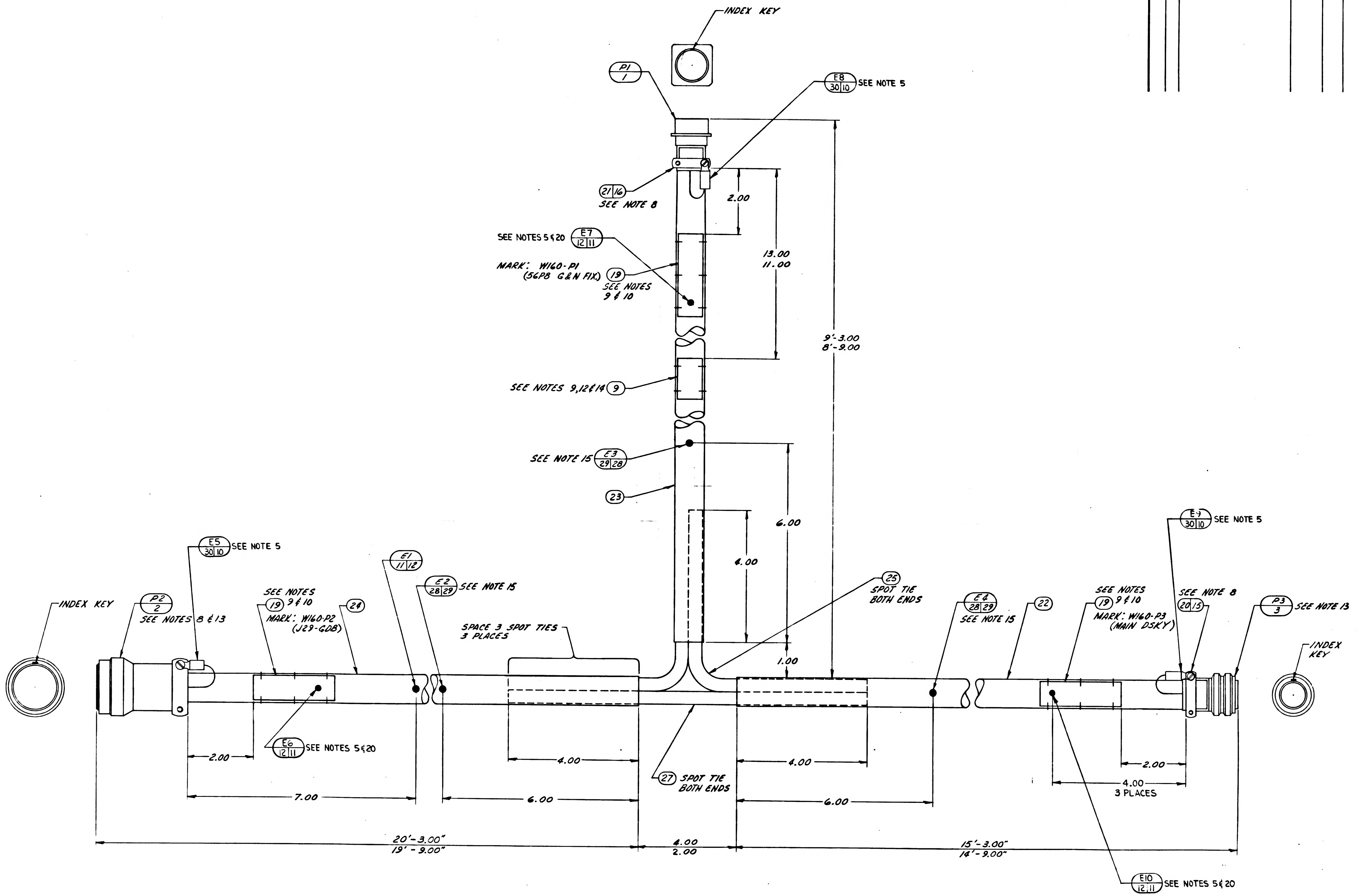
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21			DELETED									
A 22	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A 22A	4		SHLD A22 E1					.25 .38	NO NO			
A 22L			P2-M* P3-40					.22 .15	NO NO		14 13	
A 22R			P2-K* P3-38					.22 .15	NO NO		14 13	
A 23	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A 23A	4		SHLD A23 E1					.25 .38	NO NO			
A 23L			P2-P* P3-4					.22 .15	NO NO		14 13	
A 23R			P2-N* P3-5					.22 .15	NO NO		14 13	
A 24	6				2.80 4.30	2.50 4.00				A,6A B,7	8, 10 10	
A 24A	4		SHLD A24 E1					.25 .38	NO NO			
A 24L			P2-T* P3-65					.22 .15	NO NO		14 13	

SIZE A	CODE IDENT NO. 99974	2900665		
SCALE-NONE	REV LTR	D	SHEET	13 OF 17

MIL 2084 9-65

REVISIONS -DRR 24-6					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			

Ⓜ



INDEX KEY
P1 / 1
E8 30 10 SEE NOTE 5
21 16 SEE NOTE 8
2.00
SEE NOTES 5 & 20 E7 12 11
MARK: W160-P1 (56P8 G&N FIX.)
19 SEE NOTES 9 & 10
13.00
11.00
9'-3.00
8'-9.00
SEE NOTES 9,12 & 14 9
SEE NOTE 15 E3 29 28
23
6.00
4.00
E9 30 10 SEE NOTE 5
E5 30 10 SEE NOTE 5
E1 11 12
E2 28 29 SEE NOTE 15
INDEX KEY
P2 / 2 SEE NOTES 8 & 13
SEE NOTES 19 9 & 10
MARK: W160-P2 (J29-GDB)
24
SPACE 3 SPOT TIES 3 PLACES
25 SPOT TIE BOTH ENDS
1.00
E4 28 29 SEE NOTE 15
22
SEE NOTES 19 9 & 10
MARK: W160-P3 (MAIN DSKY)
SEE NOTE 8 20 15
P3 / 3 SEE NOTE 13
INDEX KEY
2.00
E6 12 11 SEE NOTES 5 & 20
7.00
4.00
6.00
27 SPOT TIE BOTH ENDS
4.00
6.00
2.00
4.00 3 PLACES
20'-3.00"
19'-9.00"
4.00
2.00
15'-3.00"
14'-9.00"
E10 12 11 SEE NOTES 5 & 20

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .30 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN C. M. Kulp DATE 26 Nov 65
CHECKED [illegible] 29 Nov 65
APPROVAL [illegible] 29 Nov 65
APPROVAL M. Watson 12-2-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO. 99974
SIZE E
2900665
SCALE FULL
SHEET 17 OF 17

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV (-) WORD DWG WITH CHANGE PER MXC 207272	6 DEC 65	JWP MEM
		B	REVISED PER MXC 207593	13 DEC 65	RLP W. A.
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	GOR RWB
		D	REV. PER TDRR 25721	7 FEB 66	HTO
		E	REVISED PER TDRR 26237	8 MAR 66	R AU

REV																			
SHEET																			
REV STATUS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

29 Nov 65

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN C. M. Kulp DATE 26 Nov 65
CHECKED Ed Foster 29 Nov 65
APPROVAL E Swanson 29 Nov 65
APPROVAL J. M. Walton 12-20-65
NASA APPROVAL a. m. /RJS
MIT APPROVAL
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO.	SIZE		REV
99974	A	2900665	E
SCALE		SHEET 1 OF 18	

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS TO SLEEVES PER ND1002019. LOCATE ADJACENT TO SOLDER SLEEVES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	ASSEMBLE PER ND1002032.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET OR CLAMP USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
9	SECURE TO CABLE USING ITEM 16. MARKING TO READ AWAY FROM THE CONNECTOR ALIGN CENTER LINES OF BAND AND CONNECTOR MASTER KEY SLOT TO BE COLINEAR WITHIN + OR - 0.25 INCH.
10	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED PER ND1002019. CENTRALIZE.
11	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
12	SERIALIZE PER ND1002023.
13	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES, P2 ONLY.
14	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE A	CODE IDENT NO. 99974	2900665	
SCALE-NONE	REV LTR E	SHEET 2 OF 18	

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	CRIMP BRAID PIGTAILS (3 EACH) IN E4.
16	ZIPPER TUBING MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT JUNCTION END.
17	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. Y - WHITE WITH YELLOW TRACER.
18	ZIPPER TUBING SHALL HAVE Z TYPE TRACK WITH .003 + OR - .001 ALUMINUM FOIL.
19	SEE NOTES 16 AND 18.
20	SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 IN. AT CONNECTOR END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E6-B, E7-B, AND E10-B RESPECTIVELY.
21	VENDOR ITEMS 13 SUPPLIED WITH ITEMS 1 AND 3, 14 AND 32 SUPPLIED WITH ITEM 2.

SIZE A	CODE IDENT NO. 99974	2900665	
SCALE-NONE	REV LTR E	SHEET 3 OF 18	

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900665	
SCALE-NONE	REV LTR E	SHEET 4 OF 18	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	1	1	1897247-005	CONNECTOR,PLUG-ELEC.
	2	1	MS3126F24-61PY	(1897047-613)CONNECTOR,PLUG-ELEC.
7	3	1	1897249-003	CONNECTOR PLUG ELEC.
	4	1	2900665-001	WIRE, ND1002181, TYPE 1 CLASS 1, 22 AWG, WHT., 992 FT. TOTAL LENGTH
	5	1	2900665-002	WIRE,ND1002181,TYPE1,CLASS1,20AWG,WHT., 3 FT. TOTAL LENGTH
	6	1	2900665-003	WIRE,ND1002181,TYPE2,CLASS4,WHT.JKT.,22AWG, WHT/RED,WHT/BLU,266 FT. TOTAL LENGTH
	7	1	2900665-004	WIRE,ND1002181,TYPE3,CLASS4,WHT.JKT.,22AWG, WHT/RED,WHT/BLU,WHT/YEL,175FT. TOTAL LENGTH
7	8	4	1010763- 2	SOLDER SLEEVE
7	9	1	1016128-011	BAND IDENTIFICATION
7	10	41	1010490-228	INSULATION SLEEVING
7	11	4	1010490-258	INSULATION SLEEVING
7	12	4	1016006-002	SPLICE REDUCER
21	13		1897190- 2	CONTACT SOCKET
21	14		MS3192A20A	CONTACT PIN
7	15	1	1010933-105	CLAMP STRAIN RELIEF
7	16	1	1010933-104	CLAMP STRAIN RELIEF

SIZE A	CODE IDENT NO. 99974	2900665	
SCALE-NONE	REV LTR F	SHEET 5 OF 18	

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE TYPE F, FORM S(BLACK), GRADE A CLASS 1, 5/8 WIDE, .02 THICK
	18	AR	MIL-T-713	LACING TAPE,TYPE P,CLASS2 BLACK(ES2732 NO.18)
7	19	3	1016126-041	BAND IDENTIFICATION
7	20	1	1016282- 18	GROMMET
	21	1	1016282- 16	GROMMET
	22		2900665-005	DELETED
19	23	1	2900665-006	ZIPPER TUBING PER N01002155, TYPE III 1.25 DIA 10 FT TOTAL LENGTH
19	24	1	2900665-007	ZIPPER TUBING PER N01002155, TYPE III 1.00 DIA 21 FT TOTAL LENGTH
	25		2900665-008	DELETED
	26		2900665-009	DELETED
	27		2900665-010	DELETED
7	28	→ 1	1016004-004	SPLICE REDUCER
7	29	→ 1	1010490-402	INSULATION SLEEVING
7	30	3	1015902- 49	TERMINAL LUG
19	31	1	2900665-011	ZIPPER TUBING PER N01002155, TYPE III, .75 DIA, 20.5 FT TOTAL LENGTH.
21	32		1016282- 24	GROMMET

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR E	SHEET 6 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1		DELETED									
A	1B		DELETED									
A	1L		DELETED									
A	1R		DELETED									
A	2		DELETED									
A	2B		DELETED									
A	2L		DELETED									
A	2R		DELETED									
A	3		DELETED									
A	3B		DELETED									
A	3L		DELETED									
A	3R		DELETED									

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR E	SHEET 7 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4		DELETED									
A	4B		DELETED									
A	4L		DELETED									
A	4R		DELETED									
A	5	7			2.30 2.30	2.00 2.00				8,7 8,7	10 10	
A	5L		P1-43 P3-70					.15 .15	NO NO		13 13	
A	5R		P1-44 P3-51					.15 .15	NO NO		13 13	
A	5Y		P1-24 P3-77					.15 .15	NO NO		13 13	
A	6	7			2.60 2.60	2.50 2.50				8,7 8,7	10 10	
A	6L		P1-23 P3-79					.15 .15	NO NO		13 13	
A	6R		P1-42 P3-76					.15 .15	NO NO		13 13	
A	6Y		P1-41 P3-49					.15 .15	NO NO		13 13	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR E	SHEET 8 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	7			2.80 2.80	2.50 2.50				8,7 8,7	10 10	
A	7L		P1-10 P3-48					.15 .15	NO NO		13 13	
A	7R		P1-22 P3-28					.15 .15	NO NO		13 13	
A	7Y		P1-9 P3-40					.15 .15	NO NO		13 13	
A	8	7			2.80 2.80	2.50 2.50				8,7 8,7	10 10	
A	8L		P1-46 P3-9					.15 .15	NO NO		13 13	
A	8R		P1-45 P3-2					.15 .15	NO NO		13 13	
A	8Y		P1-47 P3-22					.15 .15	NO NO		13 13	
A	9	6			2.80 2.80	2.50 2.50				8,7 8,7	10 10	
A	9L		P1-49 P3-66					.15 .15	NO NO		13 13	
A	9R		P1-48 P3-41					.15 .15	NO NO		13 13	
A	10	7			2.80 2.80	2.50 2.50				8,7 8,7	10 10	

SIZE	CODE IDENT NO.	
A	99974	2900665
SCALE-NONE	REV LTR E	SHEET 9 OF 18

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10L			P1-27 P3-10					.15 .15	NO NO		13 13	
A 10R			P1-28 P3-5					.15 .15	NO NO		13 13	
A 10Y			P1-26 P3-23					.15 .15	NO NO		13 13	
A 11	6				3.40 3.30	3.00 3.00				8,7 8,7	10 10	
A 11L			P1-11 P3-67					.15 .15	NO NO		13 13	
A 11R			P1-25 P3-42					.15 .15	NO NO		13 13	
A 12	7				3.30 3.30	3.00 3.00				8,7 8,7	10 10	
A 12L			P1-13 P3-11					.15 .15	NO NO		13 13	
A 12R			P1-12 P3-12					.15 .15	NO NO		13 13	
A 12Y			P1-4 P3-24					.15 .15	NO NO		13 13	
A 13	6				3.30 3.30	3.00 3.00				8,7 8,7	10 10	
A 13L			P1-1 P3-68					.15 .15	NO NO		13 13	

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 10 OF 13

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13R			P1-3 P3-43					.15 .15	NO NO		13 13	
A 14	7				3.30 3.30	3.00 3.00				8,7 8,7	10 10	
A 14L			P1-51 P3-26					.15 .15	NO NO		13 13	
A 14R			P1-50 P3-27					.15 .15	NO NO		13 13	
A 14Y			P1-52 P3-25					.15 .15	NO NO		13 13	
A 15	7				3.30 3.30	3.00 3.00				8,7 8,7	10 10	
A 15L			P1-54 P3-69					.15 .15	NO NO		13 13	
A 15R			P1-53 P3-44					.15 .15	NO NO		13 13	
A 15Y			P1-31 P3-18					.15 .15	NO NO		13 13	
A 16	7				3.80 3.80	3.50 3.50				8,7 8,7	10 10	
A 16L			P1-29 P3-47					.15 .15	NO NO		13 13	
A 16R			P1-30 P3-71					.15 .15	NO NO		13 13	

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 11 OF 13

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16Y			P1-32 P3-46					.15 .15	NO NO		13 13	
A 17	7				3.80 3.80	3.50 3.50				8,7 8,7	10 10	
A 17L			P1-15 P3-70					.15 .15	NO NO		13 13	
A 17R			P1-14 P3-45					.15 .15	NO NO		13 13	
A 17Y			P1-16 P3-72					.15 .15	NO NO		13 13	
A 18	6				3.80 3.80	3.50 3.50				8,7 8,7	10 10	
A 18L			P1-2 P3-6					.15 .15	NO NO		13 13	
A 18R			P1-5 P3-7					.15 .15	NO NO		13 13	
A 19	6				3.80 3.80	3.50 3.50				8,7 8,7	10 10	
A 19L			P1-7 P3-21					.15 .15	NO NO		13 13	
A 19R			P1-8 P3-1					.15 .15	NO NO		13 13	
A 20			DELETED									

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 12 OF 13

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21			DELETED									
A 22	6				2.60 4.30	2.50 4.00				A,6A 8,7	8, 10 10	
A 22A	4		SHLD A22 E1-8					.25 .38	NO NO			
A 22L			P2-M* P3-40					.22 .15	NO NO		14 13	
A 22R			P2-K* P3-38					.22 .15	NO NO		14 13	
A 23	6				2.80 4.30	2.50 4.00				A,6A 8,7	8, 10 10	
A 23A	4		SHLD A23 E1-8					.25 .38	NO NO			
A 23L			P2-P* P3-4					.22 .15	NO NO		14 13	
A 23R			P2-N* P3-5					.22 .15	NO NO		14 13	
A 24	6				2.80 4.30	2.50 4.00				A,6A 8,7	8, 10 10	
A 24A	4		SHLD A24 E1-8					.25 .38	NO NO			
A 24L			P2-1* P3-65					.22 .15	NO NO		14 13	

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 13 OF 13

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24R			P2-S* P3-64					.22 .15	NO NO		14 13	
A 25	6				2.80 4.30	2.50 4.30				A,6A B,7	8, 10 10	
A 25A	4		SHLD A25 E1-B					.25 .37	NO NO			
A 25L			P2-R* P3-63					.22 .15	NO NO		14 13	
A 25R			P2-Q* P3-62					.22 .15	NO NO		14 13	
A 26	5		E1-E P2-M					.38 .22	NO NO		 14	
A 27	4		P2-PP P3-32					.22 .15	NO NO		14 13	
A 28	4		P2-NN P3-15					.22 .15	NO NO		14 13	
A 29	4		P2-MM P3-14					.22 .15	NO NO		14 13	
A 30	4		P2-LL P3-51					.22 .15	NO NO		14 13	
A 31	4		P2-KK P3-82					.22 .15	NO NO		14 13	
A 32	4		P2-JJ P3-6[illegible]					.22 .15	NO NO		14 13	

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 14 OF 18

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	4		P2-HH P3-35					.22 .15	NO NO		14 13	
A 34	4		P2-GG P3-59					.22 .15	NO NO		14 13	
A 35	4		P2-FF P3-58					.22 .15	NO NO		14 13	
A 36	4		P2-E P3-36					.22 .15	NO NO		14 13	
A 37	4		P2-P P3-65					.22 .15	NO NO		14 13	
A 38	4		P2-R P3-60					.22 .15	NO NO		14 13	
A 39	4		P2-A* P3-37					.22 .15	NO NO		14 13	
A 40	4		P2-T P3-1[illegible]					.22 .15	NO NO		14 13	
A 41	4		P2-U P3-61					.22 .15	NO NO		14 13	
A 42	4		P2-EE P3-56					.22 .15	NO NO		14 13	
A 43	4		P2-DD P3-16					.22 .15	NO NO		14 13	
A 44	4		P2-CC P3-33					.22 .15	NO NO		14 13	

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 15 OF 18

CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	4		P2-BB P3-34					.22 .15	NO NO		14 13	
A 46	4		P2-AA P3-6					.22 .15	NO NO		14 13	
A 47	4		P2-Z* P3-17					.22 .15	NO NO		14 13	
A 48	4		P2-H P3-13					.22 .15	NO NO		14 13	
A 49	4		P2-Y* P3-54					.22 .15	NO NO		14 13	
A 50	4		P2-J P3-[illegible]4					.22 .15	NO NO		14 13	
A 51	4		P2-W* P3-55					.22 .15	NO NO		14 13	
A 52	4		P2-K P3-31					.22 .15	NO NO		14 13	
A 53	4		P2-X* P3-53					.22 .15	NO NO		14 13	
A 54	4		P2-L P3-57					.22 .15	NO NO		14 13	
A 55	5		E6-E5 E5					.38 .20	NO NO			
A 56	5		E7-E8 E8					.38 .20	NO NO			

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 16 OF 18

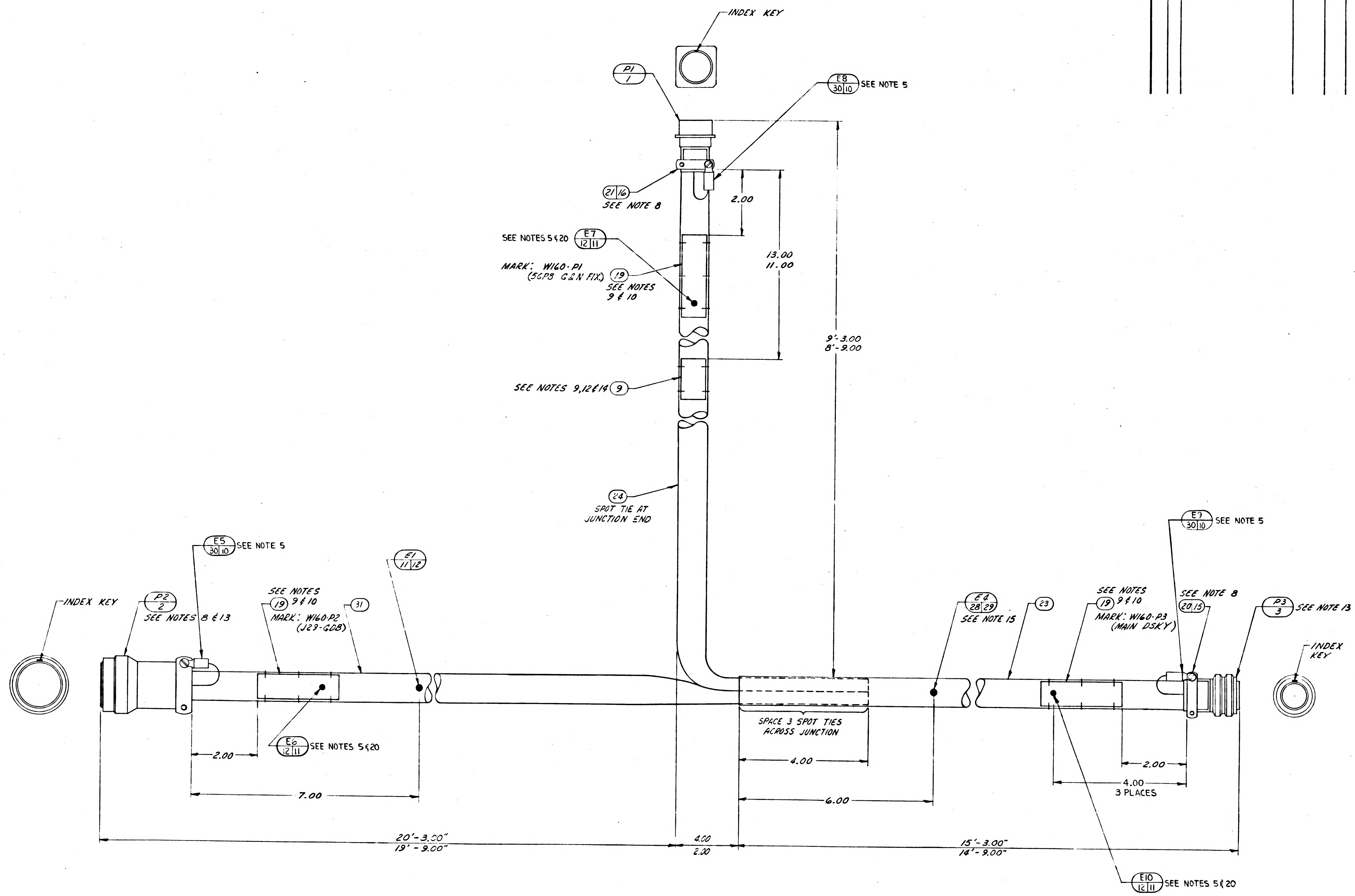
CABLE ASSEMBLY W160 2900665 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	5		E10-E8 E9					.38 .20	NO NO			

SIZE A
CODE IDENT NO. 99974
2900665
SCALE-NONE
REV LTR E
SHEET 17 OF 1

REVISIONS TDRR 24701

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



INDEX KEY
P1 / 1
E8 30 10 SEE NOTE 5
21 16 SEE NOTE 8
2.00
SEE NOTES 5 & 20 E7 12 11
MARK: W160-P1 (5GP3 G&N FIX)
19 SEE NOTES 9 & 10
13.00
11.00
9'-3.00
8'-9.00
SEE NOTES 9,12 & 14 9
24 SPOT TIE AT JUNCTION END
E5 30 10 SEE NOTE 5
E1 11 12
INDEX KEY
P2 / 2 SEE NOTES 8 & 13
SEE NOTES 19 9 & 10
MARK: W160-P2 (J29-GDB)
31
E6 12 11 SEE NOTES 5 & 20
2.00
7.00
20'-3.00"
19'-9.00"
4.00
2.00
SPACE 3 SPOT TIES ACROSS JUNCTION
4.00
6.00
E4 28 29 SEE NOTE 15
23
SEE NOTES 19 9 & 10
MARK: W160-P3 (MAIN DSKY)
SEE NOTE 8 20 15
E9 30 10 SEE NOTE 5
P3 / 3 SEE NOTE 13
INDEX KEY
2.00
4.00 3 PLACES
15'-3.00"
14'-9.00"
E10 12 11 SEE NOTES 5 & 20

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .30 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —

NEXT ASSY	USED ON
APPLICATION	

CONTRACT NAS 9-4

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN C. M. Kuip DATE 26 NOV 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL, BRANCHED
W160

CODE IDENT NO 99974
SIZE E
2900665
SCALE FULL
SHEET 18 OF 18

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REVISION (+) WITH CHANGE PER MXC 207274	7 DEC 65	JWP MEM
		B	REVISED PER MXC-207594	13 DEC 65	RJJ
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RJJ

Charleston
29 NOV 65

REV STATUS OF SHEETS												
REV	C	C	C	C	C	C	C	C	C	C	C
SHEET	1	2	3	4	5	6	7	8	9	10	11

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN 23 AUG 65 DATE
CHECKED J. Stelma 26 NOV 65
APPROVAL E Swanson 29 Nov 65
APPROVAL J. M. Watson 12-17-66

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W163

NASA APPROVAL a. Melton / RJS
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900668
REV C

CONTRACT NAS9-497
SCALE NONE
SHEET 1 OF 11

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019.
4	ITEMS 5, AND 6 FURNISHED WITH ITEMS 3 AND 4
5	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 12 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
6	SECURE TO CABLE USING ITEM 11. MARKING TO READ AWAY FROM CONNECTOR
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SERIALIZE PER ND1002023
9	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED IN TABLE 1 .12 HIGH, COLOR BLACK, HOT EMPRESSION STAMPING PER ND1002019. CENTRALIZE
10	ASSEMBLE PER ND1002032
11	SEE NOTES 4 AND 7
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	ZIPPER TUBING SHALL HAVE Z TYPE TRACK

SIZE A	CODE IDENT NO. 99974	2900668	
SCALE-NONE	REV LTR ★C	SHEET 2 OF ~~10~~ 11	

NOTE NUMBER

GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A	CODE IDENT NO. 99974	2900668	
SCALE-NONE	REV LTR ★C	SHEET 3 OF ~~10~~ 11	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900668-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 1680 FT TOTAL LENGTH
13	2	1	2900668-002	ZIPPER TUBING PER ND1002155, TYPE I, GRAY .750 DIA., 30 FT TOTAL LENGTH
7	3	1	1897249-002	CONNECTOR PLUG, ELECT.
7	4	1	1897252-101	CONNECTOR PLUG, ELECT.
11	5		1897190- 2	CONTACT SOCKET
11	6		1897190- 1	CONTACT PIN
7	7	2	1010933-105	STRAIN RELIEF CLAMP
7	8	2	1016282- 18	GROMMET, RUBBER
7	9	1	1016128-011	BAND, IDENTIFICATION
7	10	2	1016128-041	BAND, IDENTIFICATION
	11	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	12	AR	1901390	FILLER TAPE

SIZE A	CODE IDENT NO. 99974	2900668	
SCALE-NONE	REV LTR ★C	SHEET 4 OF ~~10~~ 11	

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1		P1-3 P2-1					.15 .15	NO NO		5 6	
A	2	1		P1-9 P2-5					.15 .15	NO NO		5 6	
A	3	1		P1-10 P2-6					.15 .15	NO NO		5 6	
A	4	1		P1-11 P2-16					.15 .15	NO NO		5 6	
A	5	1		P1-85 P2-17					.15 .15	NO NO		5 6	
A	6	1		P1-13 P2-18					.15 .15	NO NO		5 6	
A	7	1		P1-6 P2-19					.15 .15	NO NO		5 6	
A	8	1		P1-19 P2-7					.15 .15	NO NO		5 6	
A	9	1		P1-8 P2-8					.15 .15	NO NO		5 6	
A	10	1		P1-84 P2-20					.15 .15	NO NO		5 6	
A	11	1		P1-18 P2-2					.15 .15	NO NO		5 6	
A	12	1		P1-7 P2-9					.15 .15	NO NO		5 6	

SIZE A	CODE IDENT NO. 99974	2900668	
SCALE-NONE	REV LTR ★C	SHEET 5 OF ~~10~~ 11	

CABLE ASSEMBLY W163 2900668 C ▲

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-17 P2-21					.15 .15	NO NO		5 6	
A 14	1		P1-5 P2-22					.15 .15	NO NO		5 6	
A 15	1		P1-83 P2-23					.15 .15	NO NO		5 6	
A 16	1		P1-23 P2-10					.15 .15	NO NO		5 6	
A 17	1		P1-20 P2-24					.15 .15	NO NO		5 6	
A 18	1		P1-24 P2-3					.15 .15	NO NO		5 6	
A 19	1		P1-21 P2-11					.15 .15	NO NO		5 6	
A 20	1		P1-82 P2-25					.15 .15	NO NO		5 6	
A 21	1		P1-37 P2-13					.15 .15	NO NO		5 6	
A 22	1		P1-38 P2-26					.15 .15	NO NO		5 6	
A 23	1		P1-25 P2-4					.15 .15	NO NO		5 6	
A 24	1		P1-22 P2-12					.15 .15	NO NO		5 6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR ★C	SHEET 6 OF ~~10~~ 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 C ▲

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		P1-81 P2-27					.15 .15	NO NO		5 6	
A 26	1		P1-39 P2-14					.15 .15	NO NO		5 6	
A 27	1		P1-53 P2-29					.15 .15	NO NO		5 6	
A 28	1		P1-27 P2-30					.15 .15	NO NO		5 6	
A 29	1		P1-26 P2-15					.15 .15	NO NO		5 6	
A 30	1		P1-80 P2-28					.15 .15	NO NO		5 6	
A 31	1		P1-28 P2-50					.15 .15	NO NO		5 6	
A 32	1		P1-29 P2-51					.15 .15	NO NO		5 6	
A 33	1		P1-30 P2-76					.15 .15	NO NO		5 6	
A 34	1		P1-31 P2-75					.15 .15	NO NO		5 6	
A 35	1		P1-79 P2-49					.15 .15	NO NO		5 6	
A 36	1		P1-48 P2-55					.15 .15	NO NO		5 6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR ★C	SHEET 7 OF ~~10~~ 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 C ▲

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P1-49 P2-56					.15 .15	NO NO		5 6	
A 38	1		P1-58 P2-81					.15 .15	NO NO		5 6	
A 39	1		P1-59 P2-80					.15 .15	NO NO		5 6	
A 40	1		P1-78 P2-54					.15 .15	NO NO		5 6	
A 41	1		P1-54 P2-59					.15 .15	NO NO		5 6	
A 42	1		P1-15 P2-84					.15 .15	NO NO		5 6	
A 43	1		P1-14 P2-83					.15 .15	NO NO		5 6	
A 44	1		P1-16 P2-82					.15 .15	NO NO		5 6	
A 45	1		P1-77 P2-58					.15 .15	NO NO		5 6	
A 46	1		P1-50 P2-39					.15 .15	NO NO		5 6	
A 47	1		P1-51 P2-63					.15 .15	NO NO		5 6	
A 48	1		P1-47 P2-64					.15 .15	NO NO		5 6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR ★C	SHEET 8 OF ~~10~~ 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 C ▲

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P1-46 P2-65					.15 .15	NO NO		5 6	
A 50	1		P1-76 P2-40					.15 .15	NO NO		5 6	
A 51	1		P1-4 P2-32					.15 .15	NO NO		5 6	
A 52	1		P1-75 P2-31					.15 .15	NO NO		5 6	
A 53	1		P1-2 P2-45					.15 .15	NO NO		5 6	
A 54	1		P1-1 P2-46					.15 .15	NO NO		5 6	
A 55	1		P1-55 P2-70					.15 .15	NO NO		5 6	
A 56	1		P1-56 P2-71					.15 .15	NO NO		5 6	
A 57	1		P1-60 P2-60					.15 .15	NO NO		5 6	
A 58	1		P1-61 P2-36					.15 .15	NO NO		5 6	
A 59	1		P1-62 P2-37					.15 .15	NO NO		5 6	
A 60	1		P1-74 P2-61					.15 .15	NO NO		5 6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR ★C	SHEET 9 OF ~~10~~ 11

MIL 2084 9-65

CABLE ASSEMBLY W~~541~~ 163 2900668 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1		P1-32					.15	NO		5	
			P2-69					.15	NO		6	
A 62	1		P1-33					.15	NO		5	
			P2-68					.15	NO		6	
A 63	1		P1-34					.15	NO		5	
			P2-67					.15	NO		6	
A 64	1		P1-73					.15	NO		5	
			P2-66					.15	NO		6	

SIZE	CODE IDENT NO.	
A	99974	2900668

SCALE-NONE	REV LTR C	SHEET 10 OF 11

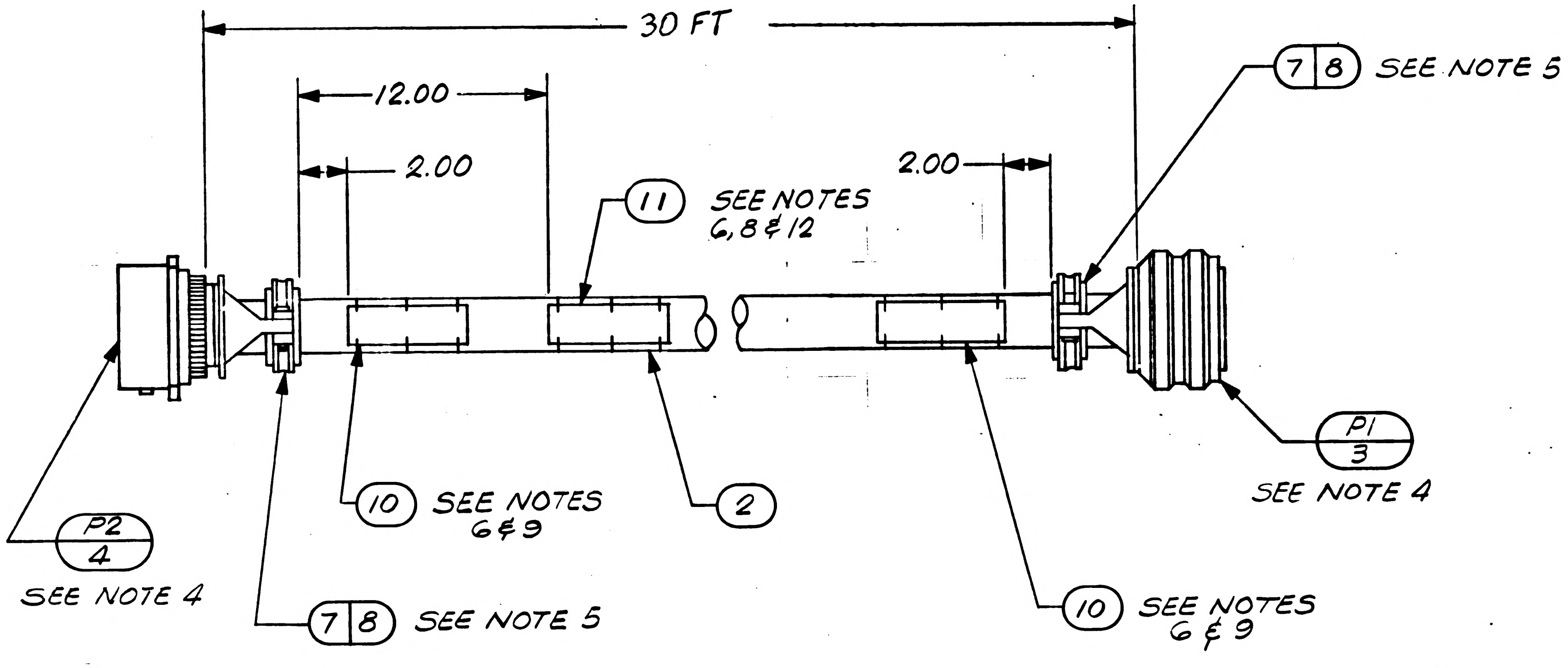
MIL 2384 9-65

REVISIONS TDRR 24761

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHT 1 FOR REVISION STATUS			

TABLE 1

PLUG 110	MARKING
P1	W163-P1(J13-6DB)
P2	W163-P2(56P32)


30 FT
12.00
2.00
2.00
11 SEE NOTES 6,8 & 12
7 8 SEE NOTE 5
P1 3 SEE NOTE 4
10 SEE NOTES 6 & 9
2
10 SEE NOTES 6 & 9
P2 4 SEE NOTE 4
7 8 SEE NOTE 5

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + — − 3 PLACE DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN C. Oehalst DATE 23 AUG-65 CHECKED 26 NOV 65 APPROVAL E. Swanson 29 Nov 65 APPROVAL	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W163
MATERIAL —	NASA APPROVAL A. Metzger/FST MIT APPROVAL	SIZE C CODE IDENT NO. 99974 2900668
CONTRACT NAS9-497		SCALE NONE SHEET 11 OF 11

MIL-1052D D

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REVISION (+) WITH CHANG E PER MXC 207274	7 DEC 65	JWP MEM
		B	REVISED PER MXC-207594	13 DEC 65	RJJ
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RJJ
		D	REVISED PER TDRR 26084	17 FEB 66	JJJ MEM

Charleston
29 NOV 65

REV												
SHEET												
REV STATUS OF SHEETS	REV	D	C	C	D	D	D	D	D	D	D	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN 23 AUG 65 DATE
CHECKED J. Stelma 26 NOV 65
APPROVAL E. Swanson 29 Nov 65
APPROVAL J. M. Watson 12-17-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL - W163

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

CODE IDENT NO.	SIZE		REV
99974	A	2900668	D

SCALE NONE

SHEET 1 OF 11

CABLE ASSEMBLY W163 2900668 C 0

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019.
4	ITEMS 5, AND 6 FURNISHED WITH ITEMS 3 AND 4
5	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 12 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
6	SECURE TO CABLE USING ITEM 11. MARKING TO READ AWAY FROM CONNECTOR
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	SERIALIZE PER ND1002023
9	MARK IDENTIFICATION BAND WITH REFFRENCE DESIGNATION AS NOTED IN TABLE 1 .12 HIGH, COLOR BLACK, HOT EMPRESSION STAMPING PER ND1002019. CENTRALIZE
10	ASSEMBLE PER ND1002032
11	SEE NOTES 4 AND 7
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	ZIPPER TUBING SHALL HAVE Z TYPE TRACK

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR 0C	SHEET 2 OF 11

CABLE ASSEMBLY W163 2900668 C 0

NOTE NUMBER

GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR 0C	SHEET 3 OF 11

CABLE ASSEMBLY W163 2900668 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900668-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. 2010 FT TOTAL LENGTH
13	2	1	2900668-002	ZIPPER TUBING PER ND1002155, TYPE I, GRAY 1.375 DIA., 30 FT TOTAL LENGTH
7	3	1	1897249-002	CONNECTOR PLUG, ELECT.
7	4	1	1897252-101	CONNECTOR PLUG, ELECT.
11	5		1897190- 2	CONTACT SOCKET
11	6		1897190- 1	CONTACT PIN
7	7	2	1010933-105	STRAIN RELIEF CLAMP
7	8	2	1016282- 18	GROMMET, RUBBER
7	9	1	1016128-011	BAND, IDENTIFICATION
7	10	2	1016128-041	BAND, IDENTIFICATION
	11	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	12	AR	1901390	FILLER TAPE

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR D	SHEET 4 OF 11

CABLE ASSEMBLY W163 2900668 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		P1-3 P2-1					.15 .15	NO NO		5 6	
A 2	1		P1-9 P2-5					.15 .15	NO NO		5 6	
A 3	1		P1-10 P2-16					.15 .15	NO NO		5 6	
A 4	1		P1-11 P2-17					.15 .15	NO NO		5 6	
A 5	1		P1-85 P2-6					.15 .15	NO NO		5 6	
A 6	1		P1-13 P2-18					.15 .15	NO NO		5 6	
A 7	1		P1-6 P2-19					.15 .15	NO NO		5 6	
A 8	1		P1-19 P2-8					.15 .15	NO NO		5 6	
A 9	1		P1-8 P2-2					.15 .15	NO NO		5 6	
A 10	1		P1-84 P2-7					.15 .15	NO NO		5 6	
A 11	1		P1-18 P2-24					.15 .15	NO NO		5 6	
A 12	1		P1-7 P2-10					.15 .15	NO NO		5 6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR D	SHEET 5 OF 11

CABLE ASSEMBLY W163 2900668 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-17 P2-9					.15 .15	NO NO		5 6	
A 14	1		P1-5 P2-22					.15 .15	NO NO		5 6	
A 15	1		P1-83 P2-23					.15 .15	NO NO		5 6	
A 16	1		P1-23 P2-13					.15 .15	NO NO		5 6	
A 17	1		P1-20 P2-4					.15 .15	NO NO		5 6	
A 18	1		P1-24 P2-3					.15 .15	NO NO		5 6	
A 19	1		P1-21 P2-11					.15 .15	NO NO		5 6	
A 20	1		P1-82 P2-12					.15 .15	NO NO		5 6	
A 21	1		P1-37 P2-31					.15 .15	NO NO		5 6	
A 22	1		P1-38 P2-15					.15 .15	NO NO		5 6	
A 23	1		P1-25 P2-14					.15 .15	NO NO		5 6	
A 24	1		P1-22 P2-29					.15 .15	NO NO		5 6	

SIZE A	CODE IDENT NO. 99974	2900668
SCALE-NONE	REV LTR D	SHEET 6 OF 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		P1-81 P2-30					.15 .15	NO NO		5 6	
A 26	1		P1-39 P2-56					.15 .15	NO NO		5 6	
A 27	1		P1-53 P2-33					.15 .15	NO NO		5 6	
A 28	1		P1-27 P2-32					.15 .15	NO NO		5 6	
A 29	1		P1-26 P2-54					.15 .15	NO NO		5 6	
A 30	1		P1-80 P2-55					.15 .15	NO NO		5 6	
A 31	1		P1-28 P2-28					.15 .15	NO NO		5 6	
A 32	1		P1-29 P2-49					.15 .15	NO NO		5 6	
A 33	1		P1-30 P2-74					.15 .15	NO NO		5 6	
A 34	1		P1-31 P2-75					.15 .15	NO NO		5 6	
A 35	1		P1-79 P2-50					.15 .15	NO NO		5 6	
A 36	1		P1-48 P2-69					.15 .15	NO NO		5 6	

SIZE A	CODE IDENT NO. 99974	2900668
SCALE-NONE	REV LTR D	SHEET 7 OF 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P1-49 P2-44					.15 .15	NO NO		5 6	
A 38	1		P1-58 P2-43					.15 .15	NO NO		5 6	
A 39	1		P1-59 P2-67					.15 .15	NO NO		5 6	
A 40	1		P1-78 P2-68					.15 .15	NO NO		5 6	
A 41	1		P1-54 P2-64					.15 .15	NO NO		5 6	
A 42	1		P1-15 P2-40					.15 .15	NO NO		5 6	
A 43	1		P1-14 P2-21					.15 .15	NO NO		5 6	
A 44	1		P1-16 P2-20					.15 .15	NO NO		5 6	
A 45	1		P1-77 P2-39					.15 .15	NO NO		5 6	
A 46	1		P1-50 P2-59					.15 .15	NO NO		5 6	
A 47	1		P1-51 P2-35					.15 .15	NO NO		5 6	
A 48	1		P1-47 P2-34					.15 .15	NO NO		5 6	

SIZE A	CODE IDENT NO. 99974	2900668
SCALE-NONE	REV LTR D	SHEET 8 OF 11

MIL 2084 9-65

CABLE ASSEMBLY W163 2900668 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P1-46 P2-57					.15 .15	NO NO		5 6	
A 50	1		P1-76 P2-58					.15 .15	NO NO		5 6	
A 51	1		P1-4 P2-79					.15 .15	NO NO		5 6	
A 52	1		P1-75 P2-78					.15 .15	NO NO		5 6	
A 53	1		P1-2 P2-36					.15 .15	NO NO		5 6	
A 54	1		P1-1 P2-60					.15 .15	NO NO		5 6	
A 55	1		P1-55 P2-61					.15 .15	NO NO		5 6	
A 56	1		P1-56 P2-38					.15 .15	NO NO		5 6	
A 57	1		P1-60 P2-65					.15 .15	NO NO		5 6	
A 58	1		P1-61 P2-66					.15 .15	NO NO		5 6	
A 59	1		P1-62 P2-42					.15 .15	NO NO		5 6	
A 60	1		P1-74 P2-41					.15 .15	NO NO		5 6	

SIZE A	CODE IDENT NO. 99974	2900668
SCALE-NONE	REV LTR D	SHEET 9 OF 11

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1		P1-32					.15	NO		5	
			P2-77					.15	NO		6	
A 62	1		P1-33					.15	NO		5	
			P2-52					.15	NO		6	
A 63	1		P1-34					.15	NO		5	
			P2-51					.15	NO		6	
A 64	1		P1-73					.15	NO		5	
			P2-76					.15	NO		6	
A 65	1		P1-71					.15	NO		5	
			P2-83					.15	NO		6	
A 66	1		P1-72					.15	NO		5	
			P2-37					.15	NO		6	
A 67	1		P1-70					.15	NO		5	
			P2-81					.15	NO		6	

SIZE	CODE IDENT NO.	
A	99974	2900668
SCALE-NONE	REV LTR D	SHEET 10 OF 11

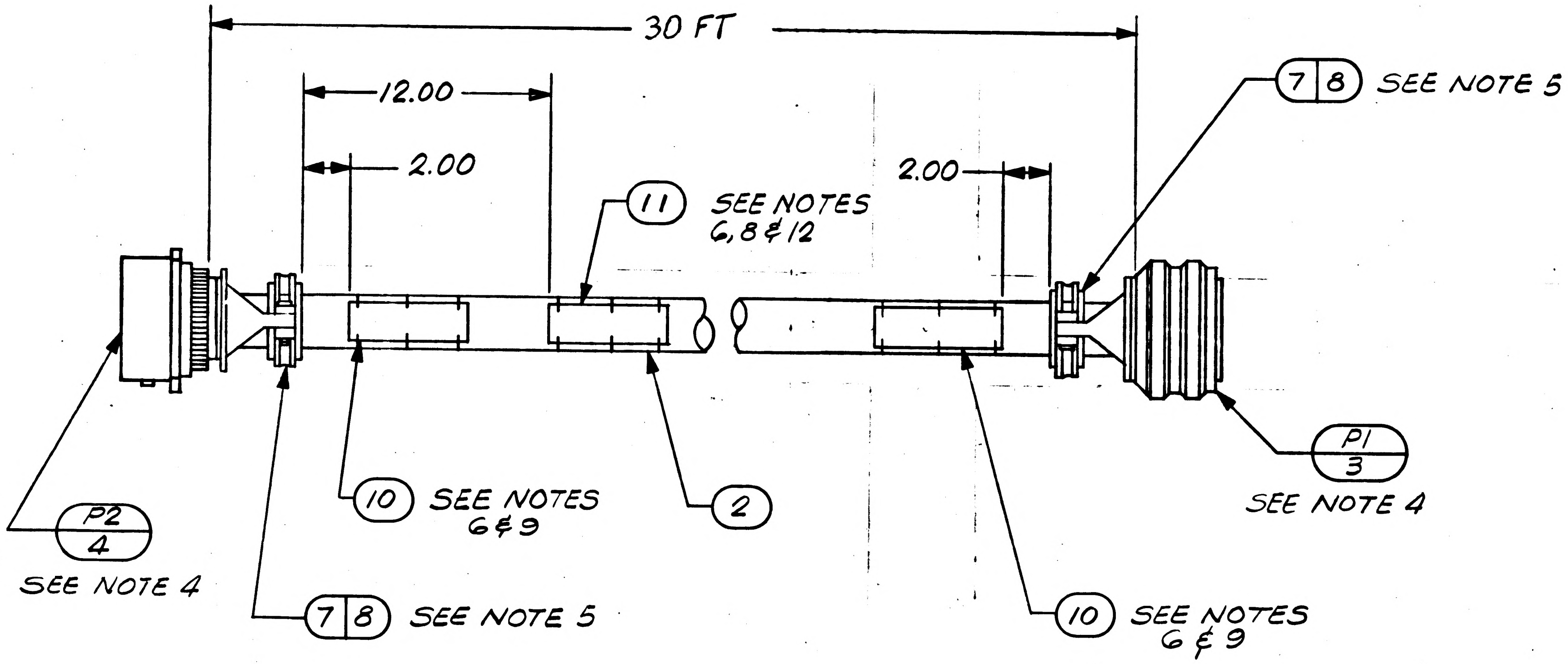
MIL 2084 9-65

REVISIONS TDRR 24761

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHT 1 FOR REVISION STATUS			

TABLE 1

PLUG I/D	MARKING
P1	W163-P1(J13-GDB)
P2	W163-P2(56P32)


30 FT
12.00
2.00
2.00
11 SEE NOTES 6,8 & 12
7 8 SEE NOTE 5
P1 3 SEE NOTE 4
P2 4 SEE NOTE 4
10 SEE NOTES 6 & 9
2
7 8 SEE NOTE 5
10 SEE NOTES 6 & 9

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + — − 3 PLACE DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN C. Dahl DATE 23 AUG 65 CHECKED 26 NOV 65 APPROVAL E Swanson 29 Nov 65 APPROVAL	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W163
MATERIAL —	NASA APPROVAL MIT APPROVAL	SIZE C CODE IDENT NO. 99974 2900668
CONTRACT NAS9-497		SCALE NONE SHEET 11 OF 11

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV(+) WITH CHANGE PER MXC 207275	6 DEC 65	RLP / MEM
		B	REVISED PER MXC 207616	13 DEC 65	RLP / JAC
		C	INITIAL RELEASE CLASS A PER TDRR [illegible]	14 DEC 65	EM / JAC

Charleston
1 DEC 65

REV																
SHEET																
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN DATE 23AUG65
CHECKED W Diehl 25AUG65
APPROVAL E Swanson 25AUG65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL BRANCHED-W164

NASA APPROVAL a mtg. w/R.S.S. (Prime Approval)
MIT APPROVAL

CONTRACT NAS 9-497

CODE IDENT NO.	SIZE		REV
99974	A	2900669	C

SCALE —
SHEET 1 OF 15

NOTE NUMBER — GENERAL NOTES DESCRIPTION

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 27 AND 26.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 18 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER
11	SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SERIALIZE PER ND1002023.

SIZE A	CODE IDENT NO. 99974	2900669	
SCALE-NONE	REV LTR ★C	SHEET 2 OF 15	

NOTE NUMBER — GENERAL NOTES DESCRIPTION

NOTE NUMBER	DESCRIPTION
14	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
15	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
16	ASSEMBLE PER ND1002032.
17	LOCATE E POINTS BETWEEN INDICATED DIMENSION. STAGGER TO REDUCE CABLE BULK.
18	ZIPPER TUBING MUST BE CUT TO PROVIDE A THREE INCH GROUNDING STRIP PIGTAIL ON ONE END OF ITEM 6. TRIM AS REQUIRED AND TERMINATE IN E44-B. PREPARE ITEM 5 PER NOTE 19 EXCEPT TERMINATE IN E44-BB
19	SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E43-B, E45-B AND E47-B RESPECTIVELY.
20	SPOT TIE USING ITEM 24
21	ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003 + OR - .001 THICKNESS OF ALUMINUM FOIL
22	SEE NOTES 18 AND 21
23	THE FOLLOWING LEADS SHALL BE TWISTED TOGETHER IN PAIRS WITH A LAY NO GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE DIAMETER OF THE TWISTED LEADS. (A2,A6) (A9,A13) (A17,A19) (A25,A28) (A31,A35) (A44,A46) (A60,A63) (A66,A71) (A76,A79) (A81,A85)

SIZE A	CODE IDENT NO. 99974	2900669	
SCALE-NONE	REV LTR ~~B~~ C	SHEET 3 OF 15	

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A	CODE IDENT NO. 99974	2900669	
SCALE-NONE	REV LTR ★C	SHEET 4 OF 15	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900669-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT., 6 INCHES TOTAL LENGTH
	2	1	2900669-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT., 292 FEET TOTAL LENGTH.
	3	1	2900669-003	WIRE, ND1002181, TYPE 1, CLASS 1, 12AWG, WHT., 854 FEET TOTAL LENGTH.
	4	1	2900669-004	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 16AWG, WHT/BLU, WHT/RED, 30 FEET TOTAL LENGTH.
22	5	1	2900669-005	ZIPPER TUBING PER ND1002155, TYPE III, 2.250 DIA. 29 FEET TOTAL LENGTH.
22	6	1	2900669-006	ZIPPER TUBING PER ND1002155, TYPE III, 1.500 DIA. 3 FT TOTAL LENGTH
7	7	1	1897232-231	CONNECTOR PLUG, ELECT.
7	8	1	1897320-001	CONNECTOR PLUG, ELECT.
7	9	1	1897320-002	CONNECTOR PLUG, ELECT.
7	10	26	1897318-001	CONTACT SOCKET
7	11	29	1016006-002	SPLICE REDUCER
7	12	10	1016006-003	SPLICE REDUCER
7	13	3	1016006-004	SPLICE REDUCER
7	14	1	1016006-005	SPLICE REDUCER
7	15	2	1016006-006	SPLICE REDUCER

SIZE A	CODE IDENT NO. 99974	2900669	
SCALE-NONE	REV LTR ~~B~~ C	SHEET 5 OF 15	

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	1	1010763- 3	SOLDER SLEEVE
7	17	2	1010490-226	INSULATION SLEEVING, ELECT.
	18	AR	1901390	FILLER TAPE
7	19	39	1010490-286	INSULATION SLEEVING, ELECT.
7	20	3	1010490-344	INSULATION SLEEVING, ELECT.
7	21	3	1010490-402	INSULATION SLEEVING, ELECT.
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	3	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	27	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	28	1	2900669-007	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 18 INCHES TOTAL LENGTH.
	29	3	1015902- 49	TERMINAL, LUG
	30	3	1010490-228	INSULATION SLEEVING, ELECTRICAL

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 6 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		P1-K E1-BB					.28 .38	YES NO			
A 2	3		E1-B E3-B					.38 .38	NO NO			SEE NOTE 23
A 3	2		P1-O E3-B					.28 .38	YES NO			
A 4	3		E3-BB P2-2					.38 .38	NO NO		 10	
A 5	2		P1-L E2-BB					.28 .38	YES NO			
A 6	3		E2-B E4-BB					.38 .38	NO NO			SEE NOTE 23
A 7	2		P1-P E4-BB					.28 .38	YES NO			
A 8	2		P1-U* E5-BB					.28 .38	YES NO			
A 9	3		E5-B E4-B					.38 .38	NO NO			SEE NOTE 23
A 10	3		E4-B P2-1					.38 .28	NO YES		 10	
A 11	3		E4-B P3-1					.38 .28	NO NO		 10	
A 12	2		P1-T* E6-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 7 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3		E6-B E7-B					.38 .38	NO NO			SEE NOTE 23
A 14	2		P1-V* E7-B					.28 .38	YES NO			
A 15	3		E7-BB P3-2					.38 .28	NO NO		 10	
A 16	2		P1-C E8-BB					.28 .38	YES NO			
A 17	3		E8-B P2-10					.38 .28	NO NO		 10	SEE NOTE 23
A 18	2		P1-D E9-BB					.28 .38	YES NO			
A 19	3		E9-B E11-B					.38 .38	NO NO			SEE NOTE 23
A 20	2		P1-N E10-BB					.28 .38	YES NO			
A 21	3		E10-B E11-B					.38 .38	NO NO			
A 22	3		E11-BB P2-16					.38 .28	NO NO		 10	
A 23	2		P1-S E13-BB					.28 .38	YES NO			
A 24	2		P1-Q E12-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 8 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	3		E12-B E13-B					.38 .38	NO NO			SEE NOTE 23
A 26	3		E13-BB P2-7					.38 .28	NO NO		 10	
A 27	2		P1-R E14-BB					.28 .38	NO NO			
A 28	3		E14-B E15-BB					.38 .38	NO NO			SEE NOTE 23
A 29	3		P1-T E15-BB					.28 .38	YES NO			
A 30	2		P1-N* E16-BB					.28 .38	YES NO			
A 31	3		E16-B E15-B					.38 .38	NO NO			SEE NOTE 23
A 32	3		E15-B P2-14					.38 .28	NO NO		 10	
A 33	3		E15-B P3-14					.38 .28	NO NO		 10	
A 34	2		P1-M* E17-BB					.28 .38	YES NO			
A 35	3		E17-B E18-B					.38 .38	NO NO			SEE NOTE 23
A 36	3		P1-P* E18-B					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 9 OF 15

CABLE ASSEMBLY W164 2900669 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	3		E18-BB P3-7					.38 .28	NO NO		 10	
A 38	4				2.80 2.80	2.50 2.50				A,6B B,7	16, 17 17	
A 38A	1		SHLD A38 P1-X					.25 .28	NO YES			
A 38L			P1-W P2-18					.28 .28	YES NO		 10	
A 38R			P1-V P2-17					.28 .28	YES NO		 10	
A 39	2		P1-Z E19-BB					.28 .38	YES NO			
A 40	3		E19-B P2-6					.38 .28	NO NO		 10	
A 41	2		P1-M E20-BB					.28 .38	YES NO			
A 42	3		E20-B P2-4					.38 .28	NO NO		 10	
A 43	2		P1-D* E21-BB					.28 .38	YES NO			
A 44	3		E21-B P3-10					.38 .28	NO NO		 10	SEE NOTE 23
A 45	2		P1-E* E22-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 10 OF 15

MIL 2084 9-65

CABLE ASSEMBLY W164 2900669 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 46	3		E22-B E24-B					.38 .50	NO NO			SEE NOTE 23
A 47	2		P1-Y* E23-BB					.28 .38	YES NO			
A 48	3		E23-B E24-B					.38 .50	NO NO			
A 50	3		E24-BB P3-16					.50 .28	NO NO		 10	
A 51	2		P1-Z* E25-BB					.28 .38	YES NO			
A 52	3		E25-B P3-6					.38 .28	NO NO		 10	
A 53	2		P1-W* E26-BB					.28 .38	YES NO			
A 54	3		E26-B P3-4					.38 .28	NO NO		 10	
A 55	2		P1-C* E27-B					.28 .38	YES NO			
A 56	2		P1-K* E27					.28 .38	YES NO			
A 57	2		P1-X* E27					.28 .38	YES NO			
A 58	2		P1-E E30-B					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 11 OF 15

MIL 2084 9-65

CABLE ASSEMBLY W164 2900669 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	2		P1-A E28-BB					.28 .38	YES NO			
A 60	3		E28-B E30-B					.38 .38	NO NO			SEE NOTE 23
A 61	3		E30-BB P2-9					.38 .28	NO NO		 10	
A 62	2		P1-B E29-BB					.28 .38	YES NO			
A 63	3		E29-B E31-BB					.38 .50	NO NO			SEE NOTE 23
A 64	2		P1-G E31-BB					.28 .50	YES NO			
A 65	2		P1-J E32-BB					.28 .38	YES NO			
A 66	3		E32-B E31-B					.38 .50	NO NO			SEE NOTE 23
A 67	3		E31-B P2-3					.50 .28	NO NO		 10	
A 68	3		E31-B P2-15					.50 .28	NO NO		 10	
A 69	3		E31-B E38-B					.50 .50	NO NO			
A 70	2		P1-H E33-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 12 OF 15

MIL 2084 9-65

CABLE ASSEMBLY W164 2900669 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	3		E33-B E34-B					.38 .38	NO NO			SEE NOTE 23
A 72	2		P1-F E34-B					.28 .38	YES NO			
A 73	3		E34-BB P2-8					.38 .28	NO NO		 10	
A 74	2		P1-F* E36-B					.28 .38	YES NO			
A 75	2		P1-A* E35-BB					.28 .38	YES NO			
A 76	3		E35-B E36-B					.38 .38	NO NO			SEE NOTE 23
A 77	3		E36-BB P3-9					.38 .28	NO NO		 10	
A 78	2		P1-B* E37-BB					.28 .38	NO NO			
A 79	3		E37-B E38-BB					.38 .38	NO NO			SEE NOTE 23
A 80	2		P1-J* E39-BB					.28 .38	YES NO			
A 81	3		E39-B E38-BB					.38 .38	NO NO			SEE NOTE 23
A 82	3		E38-B P3-15					.38 .28	NO NO		 10	

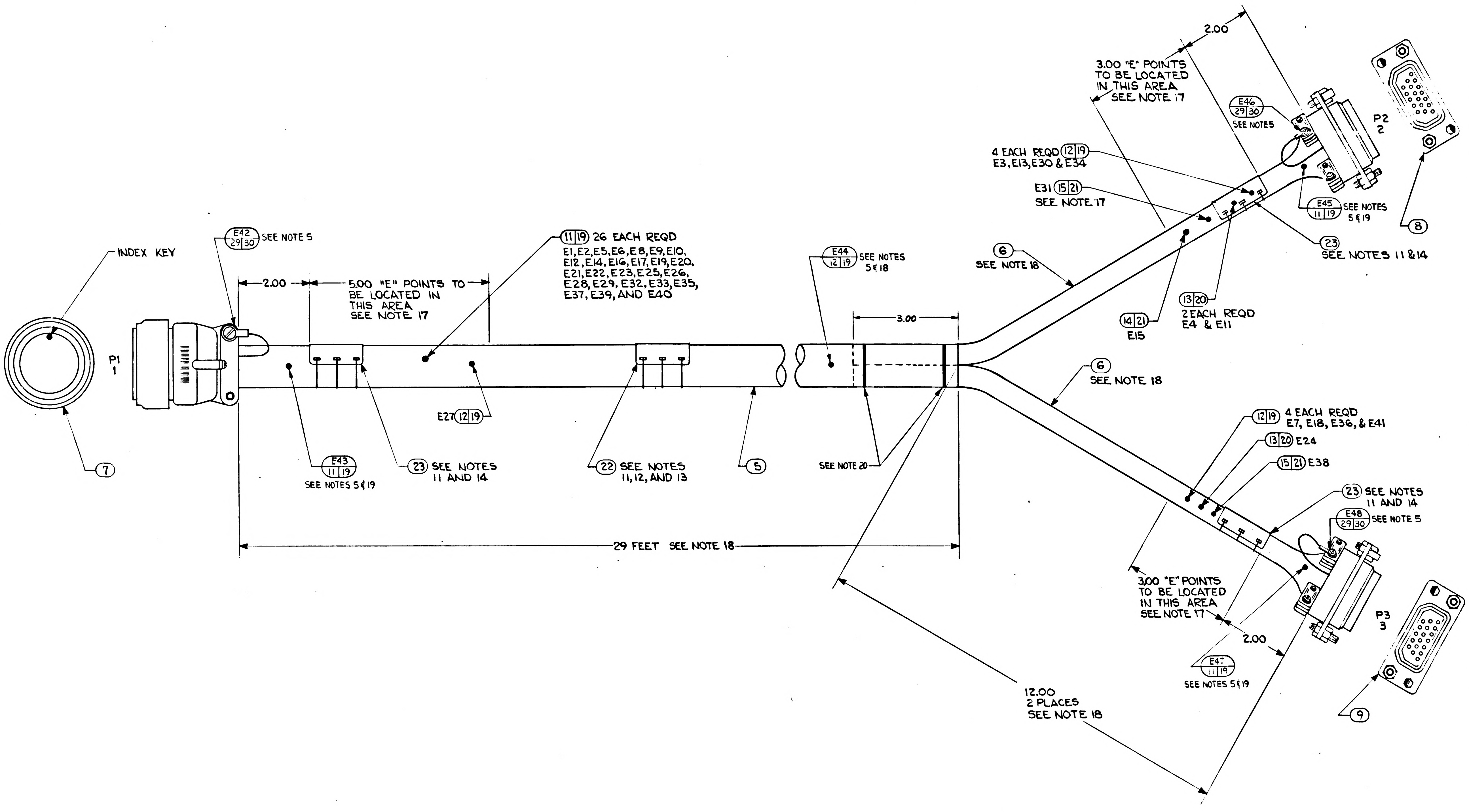
SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR C	SHEET 13 OF 15

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	83	3	E36-B					.38	NO			
			P3-3					.28	NO		10	
A	84	2	P1-H*					.28	YES			
			E40-BB					.38	NO			
A	85	3	E40-B					.38	NO			SEE NOTE 23
			E41-B					.38	NO			
A	86	2	P1-G*					.28	YES			
			E41-B					.38	NO			
A	87	3	E41-BB					.38	NO			
			P3-8					.28	NO		10	
A	88	28	E43-BB					.38	NO			
			E42					.18	NO			
A	89	28	E45-BB					.38	NO			
			E46					.18	NO			
A	90	28	E47-BB					.38	NO			
			E48					.18	NO			

SIZE A	CODE IDENT NO. 99974	2900669
SCALE-NONE	REV LTR C	SHEET 14 OF 15

MIL 2084 9-65


INDEX KEY
P1
1
(7)
E42 29|30 SEE NOTE 5
2.00
5.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
(11|19) 26 EACH REQD
E1, E2, E5, E6, E8, E9, E10, E12, E14, E16, E17, E19, E20, E21, E22, E23, E25, E26, E28, E29, E32, E33, E35, E37, E39, AND E40
E27 (12|19)
E43 11|19 SEE NOTES 5 & 19
(23) SEE NOTES 11 AND 14
(22) SEE NOTES 11, 12, AND 13
(5)
E44 12|19 SEE NOTES 5 & 18
3.00
SEE NOTE 20
29 FEET SEE NOTE 18
(6) SEE NOTE 18
(6) SEE NOTE 18
2.00
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
E46 29|30 SEE NOTE 5
P2
2
4 EACH REQD (12|19) E3, E13, E30 & E34
E31 (15|21) SEE NOTE 17
E45 11|19 SEE NOTES 5 & 19
(8)
(23) SEE NOTES 11 & 14
(13|20) 2 EACH REQD E4 & E11
(14|21) E15
(12|19) 4 EACH REQD E7, E18, E36, & E41
(13|20) E24
(15|21) E38
(23) SEE NOTES 11 AND 14
E48 29|30 SEE NOTE 5
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
2.00
P3
3
E47 11|19 SEE NOTES 5 & 19
(9)
12.00 2 PLACES SEE NOTE 18

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS + − ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. Kitock DATE 22 AUG
CHECKED Dial 25 AUG 66
APPROVAL E. Swanson 25 AUG 66
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED-W164

CODE IDENT NO. 99974
SIZE E
2900669
SCALE FULL
SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV(+) WITH CHANGE PER MXC 207275	6 DEC 65	RLP / MEM
		B	REVISED PER MXC 207616	13 DEC 65	RLP / JAC
	Ⓜ	C	INITIAL RELEASE CLASS A PER TDRR [illegible]	14 DEC 65	EM / JAC
		D	REVISED PER TDRR-27006	15-MAR-66	B. / CW

Charleston
1 DEC 65

REV																
SHEET																
REV STATUS OF SHEETS	REV	D	C	D	D	D	D	D	D	D	D	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R. [illegible] DATE 23 AUG 65
CHECKED W Diehl 25 AUG 65
APPROVAL E Swanson 25 AUG 65
APPROVAL J. M. Walson 12-20-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL BRANCHED-W164

NASA APPROVAL a mtg -/R.S.S (Game approval)
MIT APPROVAL W [illegible]
CONTRACT NAS 9-497

CODE IDENT NO.	SIZE		REV
99974	A	2900669	D

SCALE —
SHEET 1 OF 15

NOTE NUMBER . GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
   A - ND1002071
   B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 27 AND 26.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019.

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 18 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
   A - FROM END SHIELD
   B - TO END SHIELD
   L - WHITE WITH BLUE TRACER
   R - WHITE WITH RED TRACER

11 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SERIALIZE PER ND1002023.

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR ★C	SHEET 2 OF 15

NOTE NUMBER GENERAL NOTES DESCRIPTION

14 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED PER ND1002019. CENTRALIZE.
CENTRALIZE.

15 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

16 ASSEMBLE PER ND1002032.

17 LOCATE E POINTS BETWEEN INDICATED DIMENSION. STAGGER TO REDUCE CABLE BULK.

18 ZIPPER TUBING MUST BE CUT TO PROVIDE A THREE INCH GROUNDING STRIP PIGTAIL ON ONE END OF ITEM 6. TRIM AS REQUIRED AND TERMINATE IN E44-B. PREPARE ITEM 5 PER NOTE 19 EXCEPT TERMINATE IN E44-BB

19 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM CONNECTOR END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E43-B, E45-B AND E47-B RESPECTIVELY.

20 SPOT TIE USING ITEM 24

21 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003 + OR - .001 THICKNESS OF ALUMINUM FOIL

22 SEE NOTES 18 AND 21

23 THE FOLLOWING LEADS SHALL BE TWISTED TOGETHER IN PAIRS WITH A LAY NO GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE DIAMETER OF THE TWISTED LEADS.
(A2,A6) (A9,A13) (A17,A19) (A25,A28) (A31,A35) (A44,A46) (A60,A63)
(A66,A71) (A76,A79) (A81,A85)

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 3 OF 15

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+6.00-3.00				

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 4 OF 15

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900669-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT., 6 INCHES TOTAL LENGTH
	2	1	2900669-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT., 350 FEET TOTAL LENGTH.
	3	1	2900669-003	WIRE, ND1002181, TYPE 1, CLASS 1, 12AWG, WHT., 780 FEET TOTAL LENGTH.
	4	1	2900669-004	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 16AWG, WHT/BLU, WHT/RED, 30 FEET TOTAL LENGTH.
22	5	1	2900669-005	ZIPPER TUBING PER ND1002155, TYPE III, 2.250 DIA. 29 FEET TOTAL LENGTH.
22	6	1	2900669-006	ZIPPER TUBING PER ND1002155, TYPE III, 1.500 DIA. 3 FT TOTAL LENGTH
7	7	1	1897232-231	CONNECTOR PLUG, ELECT.
7	8	1	1897320-001	CONNECTOR PLUG, ELECT.
7	9	1	1897320-002	CONNECTOR PLUG, ELECT.
7	10	26	1897318-001	CONTACT SOCKET
7	11	31	1016006-002	SPLICE REDUCER
7	12	2	1016006-003	SPLICE REDUCER
7	13	11	1016006-004	SPLICE REDUCER
	14		1016006-005	DELETED
7	15	3	1016006-006	SPLICE REDUCER

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 5 OF 15

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	1	1010763- 3	SOLDER SLEEVE
7	17	2	1010490-226	INSULATION SLEEVING, ELECT.
	18	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM S, (BLACK) GRADE A, CLASS I, 5/8 WIDE, .02 THICK.
7	19	33	1010490-286	INSULATION SLEEVING, ELECT.
7	20	11	1010490-344	INSULATION SLEEVING, ELECT.
7	21	3	1010490-402	INSULATION SLEEVING, ELECT.
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	3	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 18)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	26	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	27	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	28	1	2900669-007	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 18 INCHES TOTAL LENGTH.
	29	3	1015902- 49	TERMINAL, LUG
	30	3	1010490-228	INSULATION SLEEVING, ELECTRICAL

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 6 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		P1-K E1-BB					.28 .38	YES NO			
A 2	3		E1-B E3-B					.38 .50	NO NO			SEE NOTE 23
A 3	2		P1-O E3-B					.28 .50	YES NO			
A 4	3		E3-BB P2-2					.38 .50	NO NO		 10	
A 5	2		P1-L E2-BB					.28 .38	YES NO			
A 6	3		E2-B E4-BB					.38 .50	NO NO			SEE NOTE 23
A 7	2		P1-P E4-BB					.28 .50	YES NO			
A 8	2		P1-U* E5-BB					.28 .38	YES NO			
A 9	3		E5-B E4-BB					.38 .50	NO NO			SEE NOTE 23
A 10	3		E4-B P2-1					.50 .28	NO YES		 10	
A 11	3		E4-B P3-1					.50 .28	NO NO		 10	
A 12	2		P1-T* E6-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 7 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3		E6-B E7-B					.38 .50	NO NO			SEE NOTE 23
A 14	2		P1-V* E7-B					.28 .50	YES NO			
A 15	3		E7-BB P3-2					.50 .28	NO NO		 10	
A 16	2		P1-C E8-BB					.28 .38	YES NO			
A 17	3		E8-B P2-10					.38 .28	NO NO		 10	SEE NOTE 23
A 18	2		P1-D E9-BB					.28 .38	YES NO			
A 19	3		E9-B E11-B					.38 .50	NO NO			SEE NOTE 23
A 20	2		P1-N E10-BB					.28 .38	YES NO			
A 21	3		E10-B E11-B					.38 .50	NO NO			
A 22	3		E11-BB P2-16					.50 .28	NO NO		 10	
A 23	2		P1-S E13-BB					.28 .50	YES NO			
A 24	2		P1-O E12-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 8 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	3		E12-B E13-B					.38 .50	NO NO			SEE NOTE 23
A 26	3		E13-BB P2-7					.50 .28	NO NO		 10	
A 27	2		P1-R E14-BB					.28 .38	NO NO			
A 28	3		E14-B E15-BB					.38 .50	NO NO			SEE NOTE 23
A 29	2		P1-T E15-BB					.28 .50	YES NO			
A 30	2		P1-N* E16-BB					.28 .38	YES NO			
A 31	3		E16-B E15-BB					.38 .50	NO NO			SEE NOTE 23
A 32	3		E15-B P2-14					.50 .28	NO NO		 10	
A 33	3		E15-B P3-14					.50 .28	NO NO		 10	
A 34	2		P1-M* E17-BB					.28 .38	YES NO			
A 35	3		E17-B E18-B					.38 .50	NO NO			SEE NOTE 23
A 36	2		P1-P* E18-B					.28 .50	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 9 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	3		E18-BB P3-7					.50 .28	NO NO		 10	
A 38	4				2.80 2.80	2.50 2.50				A,6B B,7	16, 17 17	
A 38A	1		SHLD A38 P1-X					.25 .28	NO YES			
A 38L			P1-W E49-BB					.28 .38	YES NO			
A 38R			P1-V E50-BB					.28 .38	YES NO			
A 39	2		P1-Z E19-BB					.28 .38	YES NO			
A 40	3		E19-B P2-6					.38 .28	NO NO		 10	
A 41	2		P1-M E20-BB					.28 .38	YES NO			
A 42	3		E20-B P2-4					.38 .28	NO NO		 10	
A 43	2		P1-D* E21-BB					.28 .38	YES NO			
A 44	3		E21-B P3-10					.38 .28	NO NO		 10	SEE NOTE 23
A 45	2		P1-E* E22-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 10 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 46	3		E22-B E24-B					.38 .50	NO NO			SEE NOTE 23
A 47	2		P1-Y* E23-BB					.28 .38	YES NO			
A 48	3		E23-B E24-B					.38 .50	NO NO			
A 50	3		E24-BB P3-16					.50 .28	NO NO		 10	
A 51	2		P1-Z* E25-BB					.28 .38	YES NO			
A 52	3		E25-B P3-6					.38 .28	NO NO		 10	
A 53	2		P1-W* E26-BB					.28 .38	YES NO			
A 54	3		E26-B P3-4					.38 .28	NO NO		 10	
A 55	2		P1-C* E27-B					.28 .38	YES NO			
A 56	2		P1-K* E27-B					.28 .38	YES NO			
A 57	2		P1-X* E27-B					.28 .38	YES NO			
A 58	2		P1-E E30-B					.28 .50	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 11 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	2		P1-A E28-BB					.28 .38	YES NO			
A 60	3		E28-B E30-B					.38 .50	NO NO			SEE NOTE 23
A 61	3		E30-BB P2-9					.50 .28	NO NO		 10	
A 62	2		P1-B E29-BB					.28 .38	YES NO			
A 63	3		E29-B E31-BB					.38 .50	NO NO			SEE NOTE 23
A 64	2		P1-G E31-BB					.28 .50	YES NO			
A 65	2		P1-J E32-BB					.28 .38	YES NO			
A 66	3		E32-B E31-B					.38 .50	NO NO			SEE NOTE 23
A 67	3		E31-B P2-3					.50 .28	NO NO		 10	
A 68	3		E31-B P2-15					.50 .28	NO NO		 10	
A 69	3		E31-B E38-B					.50 .50	NO NO			
A 70	2		P1-H E33-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 12 OF 15

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 71	3		E33-B E34-B					.38 .50	NO NO			SEE NOTE 23
A 72	2		P1-F E34-B					.28 .50	YES NO			
A 73	3		E34-BB P2-8					.50 .28	NO NO		 10	
A 74	2		P1-F* E36-B					.28 .50	YES NO			
A 75	2		P1-A* E35-BB					.28 .38	YES NO			
A 76	3		E35-B E36-B					.38 .50	NO NO			SEE NOTE 23
A 77	3		E36-BB P3-9					.50 .28	NO NO		 10	
A 78	2		P1-R* E37-BB					.28 .38	NO NO			
A 79	3		E37-B E38-BB					.38 .50	NO NO			SEE NOTE 23
A 80	2		P1-J* E39-BB					.28 .38	YES NO			
A 81	3		E39-B E38-BB					.38 .50	NO NO			SEE NOTE 23
A 82	3		E38-B P3-15					.50 .28	NO NO		 10	

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR D	SHEET 13 OF 15

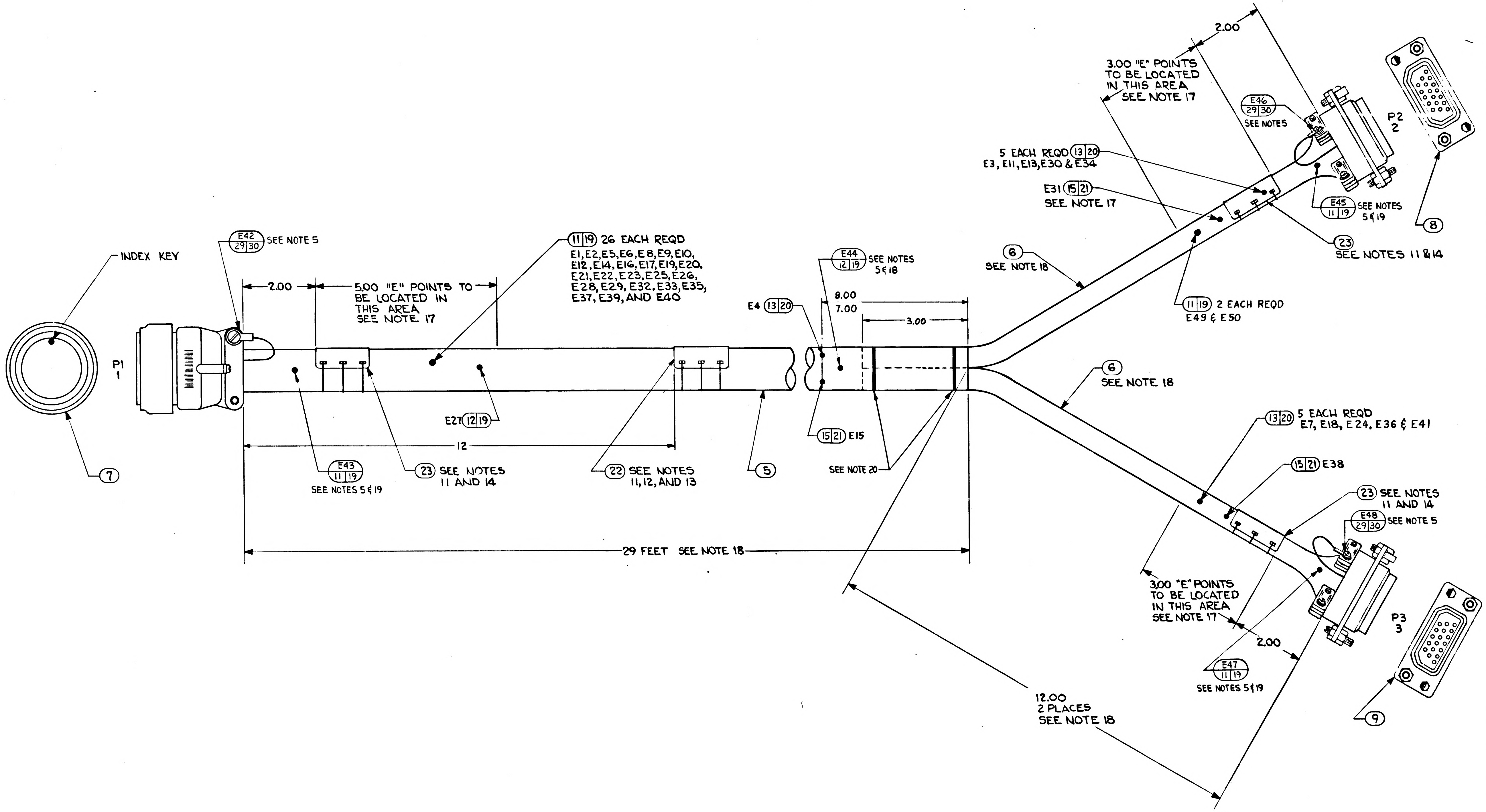
LEAD IDENT	WIRE MATL ITEM	LEAD LG .	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
A	83	3	E38-B P3-3					.50 .28	NO NO		10	
A	84	2	P1-H* E40-BB					.28 .38	YES NO			
A	85	3	E40-B E41-B					.38 .50	NO NO			SEE NOTE 23
A	86	2	P1-G* E41-B					.28 .50	YES NO			
A	87	3	E41-BB P3-8					.50 .28	NO NO		10	
A	88	28	E43-BB E42					.38 .18	NO NO			
A	89	28	E45-BB E46					.38 .18	NO NO			
A	90	28	E47-BB E48					.38 .18	NO NO			
A	91	3	E49-B P2-18					.38 .28	NO NO		10	
A	92	3	E50-B P2-17					.38 .28	NO NO		10	

SIZE	CODE IDENT NO.		
A	99974	2900669	
SCALE-NONE	REV LTR D		SHEET 14 OF 15

MIL 2084 9-65

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED

PLUG NO.	MARKING
P1	W164-P1 (J33-GDB)
P2	W164-P2 (56P30-GNF)
P3	W164-P3 (56P31-GNF)


INDEX KEY
P1
1
7
E42 29 30 SEE NOTE 5
2.00
5.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
11 19 26 EACH REQD
E1, E2, E5, E6, E8, E9, E10, E12, E14, E16, E17, E19, E20, E21, E22, E23, E25, E26, E28, E29, E32, E33, E35, E37, E39, AND E40
E27 12 19
12
E43 11 19 SEE NOTES 5 & 19
23 SEE NOTES 11 AND 14
22 SEE NOTES 11, 12, AND 13
5
E4 13 20
E44 12 19 SEE NOTES 5 & 18
8.00
7.00
3.00
15 21 E15
SEE NOTE 20
29 FEET SEE NOTE 18
6 SEE NOTE 18
6 SEE NOTE 18
2.00
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
E46 29 30 SEE NOTE 5
P2
2
5 EACH REQD 13 20 E3, E11, E13, E30 & E34
E31 15 21 SEE NOTE 17
E45 11 19 SEE NOTES 5 & 19
8
23 SEE NOTES 11 & 14
11 19 2 EACH REQD E49 & E50
13 20 5 EACH REQD E7, E18, E24, E36 & E41
15 21 E38
23 SEE NOTES 11 AND 14
E48 29 30 SEE NOTE 5
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
2.00
P3
3
E47 11 19 SEE NOTES 5 & 19
9
12.00 2 PLACES SEE NOTE 18

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. Httack DATE 23 AUG 65
CHECKED 25 AUG 65
APPROVAL E Swanson 25 AUG 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED-W164

CODE IDENT NO. 99974
SIZE E
2900669
SCALE FULL
SHEET

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV(+) WITH CHANGE PER MXC 207275	6 DEC 65	RLP MEM
		B	REVISED PER MXC 207616	13 DEC 65	RLP JAC
		C	INITIAL RELEASE CLASS A PER TDRR [illegible]	14 DEC 65	EM JAC
		D	REVISED PER TDRR-27006	15-MAR-66	B. U.V.
		E	REV. PER TDRR27726	21 APR 66	DKD

REV																	
SHEET																	
REV STATUS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R. Stuck DATE 23 AUG 65
CHECKED W Diehl 25 AUG 65
APPROVAL E Swanson 25 AUG 65
APPROVAL 12-20-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL BRANCHED-W164

CODE IDENT NO. 99974
SIZE A
2900669
REV E
SCALE —
SHEET 1 OF 16

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 SOLDER PER MIL-S-6872 (ES2606-1) USING ITEM 25 OR ITEMS 27 AND 26.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019.

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND CLAMP USING ITEM 18 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER

11 SECURE TO CABLE USING ITEM 24. MARKING TO READ AWAY FROM CONNECTOR

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SERIALIZE PER ND1002023.

SIZE A
CODE IDENT NO. 99974
2900669
SCALE-NONE
REV LTR F
SHEET 2 OF 16

NOTE GENERAL NOTES

NUMBER DESCRIPTION

14 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED PER ND1002019. CENTRALIZE.
CENTRALIZE.

15 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

16 ASSEMBLE PER ND1002032.

17 LOCATE E POINTS BETWEEN INDICATED DIMENSION. STAGGER TO REDUCE CABLE BULK.

18 ZIPPER TUBING MUST BE CUT TO PROVIDE A THREE INCH GROUNDING STRIP PIGTAIL ON ONE END OF ITEM 6. TRIM AS REQUIRED AND TERMINATE IN E44-B. PREPARE ITEM 5 PER NOTE 19 EXCEPT TERMINATE IN E44-BB

19 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM CONNECTOR END. SECURE STRIP STITCHING AND REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E43-B, E45-B AND E47-B RESPECTIVELY.

20 SPOT TIE USING ITEM 24

21 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003 + OR - .001 THICKNESS OF ALUMINUM FOIL

22 SEE NOTES 18 AND 21

23 THE FOLLOWING LEADS SHALL BE TWISTED TOGETHER IN PAIRS WITH A LAY NO GREATER THAN 14 TIMES NOR LESS THAN 8 TIMES THE DIAMETER OF THE TWISTED LEADS.
(A2,A6) (A9,A13) (A17,A19) (A25,A28) (A31,A35) (A44,A46) (A60,A63)
(A66,A71) (A76,A79) (A81,A85)

24 SELF LOCKING NUTS (2 EA) ON CONNECTOR MUST BE REMOVED AND USED TO MOUNT ITEM 35.

SIZE A
CODE IDENT NO. 99974
2900669
SCALE-NONE
REV LTR F
SHEET 3 OF 16

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+6.00-3.00				

SIZE A
CODE IDENT NO. 99974
2900669
SCALE-NONE
REV LTR F
SHEET 4 OF 16

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900669-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG, WHT., 6 INCHES TOTAL LENGTH
	2	1	2900669-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT., 350 FEET TOTAL LENGTH.
	3	1	2900669-003	WIRE, ND1002181, TYPE 1, CLASS 1, 12AWG, WHT., 780 FEET TOTAL LENGTH.
	4	1	2900669-004	WIRE, ND1002181, TYPE 2, CLASS 4, WHT. JKT., 16AWG, WHT/BLU, WHT/RED, 30 FEET TOTAL LENGTH.
22	5	1	2900669-005	ZIPPER TUBING PER ND1002155, TYPE III, 2.250 DIA. 29 FEET TOTAL LENGTH.
22	6	1	2900669-006	ZIPPER TUBING PER ND1002155, TYPE III, 1.500 DIA. 3 FT TOTAL LENGTH
7	7	1	1897232-231	CONNECTOR PLUG, ELECT.
7	8	1	1897320-001	CONNECTOR PLUG, ELECT.
7	9	1	1897320-002	CONNECTOR PLUG, ELECT.
7	10	X	1897318-001	CONTACT SOCKET (FURNISHED WITH ITEMS 8 AND 9)
7	11	31	1016006-002	SPLICE REDUCER
7	12	2	1016006-003	SPLICE REDUCER
7	13	10	1016006-004	SPLICE REDUCER
	14		1016006-005	DELETED
7	15	4	1016006-006	SPLICE REDUCER

SIZE A
CODE IDENT NO. 99974
2900669
SCALE-NONE
REV LTR F
SHEET 5 OF 16

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	1	1010763- 3	SOLDER SLEEVE
7	17	2	1010490-226	INSULATION SLEEVING, ELECT.
	18	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM S, (BLACK) GRADE A, CLASS I, 5/8 WIDE, .02 THICK.
7	19	33	1010490-286	INSULATION SLEEVING, ELECT.
7	20	10	1010490-344	INSULATION SLEEVING, ELECT.
7	21	4	1010490-402	INSULATION SLEEVING, ELECT.
7	22	1	1016128-011	BAND, IDENTIFICATION
7	23	3	1016128-041	BAND, IDENTIFICATION
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (FS2732 NO. 18)
	25	AR	SN50WRAP	SOLDER QQ-S-571 (FS2175-3)
	26	AR	MIL-F-14256 TYPE A OR W	FLUX (FS2798)
	27	AR	SN60WS	SOLDER QQ-S-571 (FS2175-1)
	28	1	2900669-007	WIRE, ND1002181, TYPE 1, CLASS 1, 20AWG, WHT, 18 INCHES TOTAL LENGTH.
7	29	1	1015902- 49	TERMINAL, LUG
7	30	1	1010490-232	INSULATION SLEEVING, ELECTRICAL
7	31	4	1016151-004	NUT, SELF LOCKING

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR E	SHEET 6 OF 16

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	32	8	MS35216-13	SCREW, PAN HEAD
	33	4	MS35216-17	SCREW, PAN HEAD
	34	4	MS35216-20	SCREW, PAN HEAD
	35	4	2901023	SHELL-CONNECTOR CLAMP
	36	4	2901024	CLAMP, SHELL
7	37	2	1015902- 45	TERMINAL LUG
7	38	2	1010490-232	INSUL SLEEVING

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR E	SHEET 7 OF 16

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		P1-K E1-BB					.28 .38	YES NO			
A 2	3		E1-B E3-B					.38 .50	NO NO			SEE NOTE 23
A 3	2		P1-O E3-B					.28 .50	YES NO			
A 4	3		E3-BB P2-2					.38 .50	NO NO		10	
A 5	2		P1-L E2-BB					.28 .38	YES NO			
A 6	3		E2-B E4-B					.38 .50	NO NO			SEE NOTE 23
A 7	2		P1-P E4-B					.28 .50	YES NO			
A 8	2		P1-U* E5-BB					.28 .38	YES NO			
A 9	3		E5-B E4-B					.38 .50	NO NO			SEE NOTE 23
A 10	3		E4-BB P2-1					.50 .28	NO YES		10	
A 11	3		E4-BB P3-1					.50 .28	NO NO		10	
A 12	2		P1-T* E6-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR E	SHEET 8 OF 16

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3		E6-B E7-B					.38 .50	NO NO			SEE NOTE 23
A 14	2		P1-V* E7-B					.28 .50	YES NO			
A 15	3		E7-BB P3-2					.50 .28	NO NO		10	
A 16	2		P1-C E8-BB					.28 .38	YES NO			
A 17	3		E8-B P2-10					.38 .28	NO NO		10	SEE NOTE 23
A 18	2		P1-D E9-BB					.28 .38	YES NO			
A 19	3		E9-B E11-B					.38 .50	NO NO			SEE NOTE 23
A 20	2		P1-N E10-BB					.28 .38	YES NO			
A 21	3		E10-B E11-B					.38 .50	NO NO			
A 22	3		E11-BB P2-16					.50 .28	NO NO		10	
A 23	2		P1-S E13-B					.28 .50	YES NO			
A 24	2		P1-Q E12-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR E	SHEET 9 OF 16

CABLE ASSEMBLY W164 2900669 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	3		E12-B E13-B					.38 .50	NO NO			SEE NOTE 23
A 26	3		E13-BB P2-7					.50 .28	NO NO		10	
A 27	2		P1-R E14-BB					.28 .38	NO NO			
A 28	3		E14-B E15-B					.38 .50	NO NO			SEE NOTE 23
A 29	2		P1-T E15-B					.28 .50	YES NO			
A 30	2		P1-N* E16-BB					.28 .38	YES NO			
A 31	3		E16-B E15-B					.38 .50	NO NO			SEE NOTE 23
A 32	3		E15-BB P2-14					.50 .28	NO NO		10	
A 33	3		E15-BB P3-14					.50 .28	NO NO		10	
A 34	2		P1-M* E17-BB					.28 .38	YES NO			
A 35	3		E17-B E18-B					.38 .50	NO NO			SEE NOTE 23
A 36	2		P1-P* E18-B					.28 .50	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR F	SHEET 10 OF 16

CABLE ASSEMBLY W164 2900669 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	3		E18-BB P3-7					.50 .28	NO NO		10	
A 38	4				2.80 2.80	2.50 2.50				A,6B B,7	16, 17 17	
A 38A	1		SHLD A38 P1-X					.25 .28	NO YES			
A 38L			P1-W E49-BB					.28 .38	YES NO			
A 38R			P1-V E50-BB					.28 .38	YES NO			
A 39	2		P1-Z E19-BB					.28 .38	YES NO			
A 40	3		E19-B P2-6					.38 .28	NO NO		10	
A 41	2		P1-M E20-BB					.28 .38	YES NO			
A 42	3		E20-B P2-4					.38 .28	NO NO		10	
A 43	2		P1-D* E21-BB					.28 .38	YES NO			
A 44	3		E21-B P3-10					.38 .28	NO NO		10	SEE NOTE 23
A 45	2		P1-E* E22-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR E	SHEET 11 OF 16

CABLE ASSEMBLY W164 2900669 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 46	3		E22-B E24-B					.38 .50	NO NO			SEE NOTE 23
A 47	2		P1-Y* E23-BB					.28 .38	YES NO			
A 48	3		E23-B E24-B					.38 .50	NO NO			
A 50	3		E24-BB P3-16					.50 .28	NO NO		10	
A 51	2		P1-Z* E25-BB					.28 .38	YES NO			
A 52	3		E25-B P3-6					.38 .28	NO NO		10	
A 53	2		P1-W* E26-BB					.28 .38	YES NO			
A 54	3		E26-B P3-4					.38 .28	NO NO		10	
A 55	2		P1-C* E27-B					.28 .38	YES NO			
A 56	2		P1-K* E27-B					.28 .38	YES NO			
A 57	2		P1-X* E27-B					.28 .38	YES NO			
A 58	2		P1-F E30-B					.28 .50	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR F	SHEET 12 OF 16

CABLE ASSEMBLY W164 2900669 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 59	2		P1-A E28-BB					.28 .38	YES NO			
A 60	3		E28-B E30-B					.38 .50	NO NO			SEE NOTE 23
A 61	3		E30-BB P2-9					.50 .28	NO NO		10	
A 62	2		P1-B E29-BB					.28 .38	YES NO			
A 63	3		E29-B E31-BB					.38 .50	NO NO			SEE NOTE 23
A 64	2		P1-G E31-BB					.28 .50	YES NO			
A 65	2		P1-J E32-BB					.23 .38	YES NO			
A 66	3		E32-B E31-BB					.38 .50	NO NO			SEE NOTE 23
A 67	3		E31-B P2-3					.50 .28	NO NO		10	
A 68	3		E31-B P2-15					.50 .28	NO NO		10	
A 69	3		E31-B E38-B					.50 .50	NO NO			
A 70	2		P1-H E33-BB					.28 .38	YES NO			

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR F	SHEET 13 OF 16

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE CNF. FIG	ACCESSORY ITEMS	REMARKS
A 71	3		E33-B E34-B					.38 .50	NO NO			SEE NOTE 23
A 72	2		P1-F E34-B					.28 .50	YES NO			
A 73	3		E34-BB P3-8					.50 .28	NO NO		10	
A 74	2		P1-E* E36-B					.28 .50	YES NO			
A 75	2		P1-A* E36-BB					.28 .38	YES NO			
A 76	3		E35-B E36-B					.38 .50	NO NO			SEE NOTE 23
A 77	3		E36-BB P3-9					.50 .28	NO NO		10	
A 78	2		P1-B* E37-BB					.28 [illegible]	NO NO			
A 79	3		E37-B E38-BB					.38 .50	NO NO			SEE NOTE 23
A 80	2		P1-J* E39-EB					.28 .38	YES NO			
A 81	3		E39-B E38-BB					.38 .50	NO NO			SEE NOTE 23
A 82	3		E38-B P3-15					.50 .28	NO NO		10	

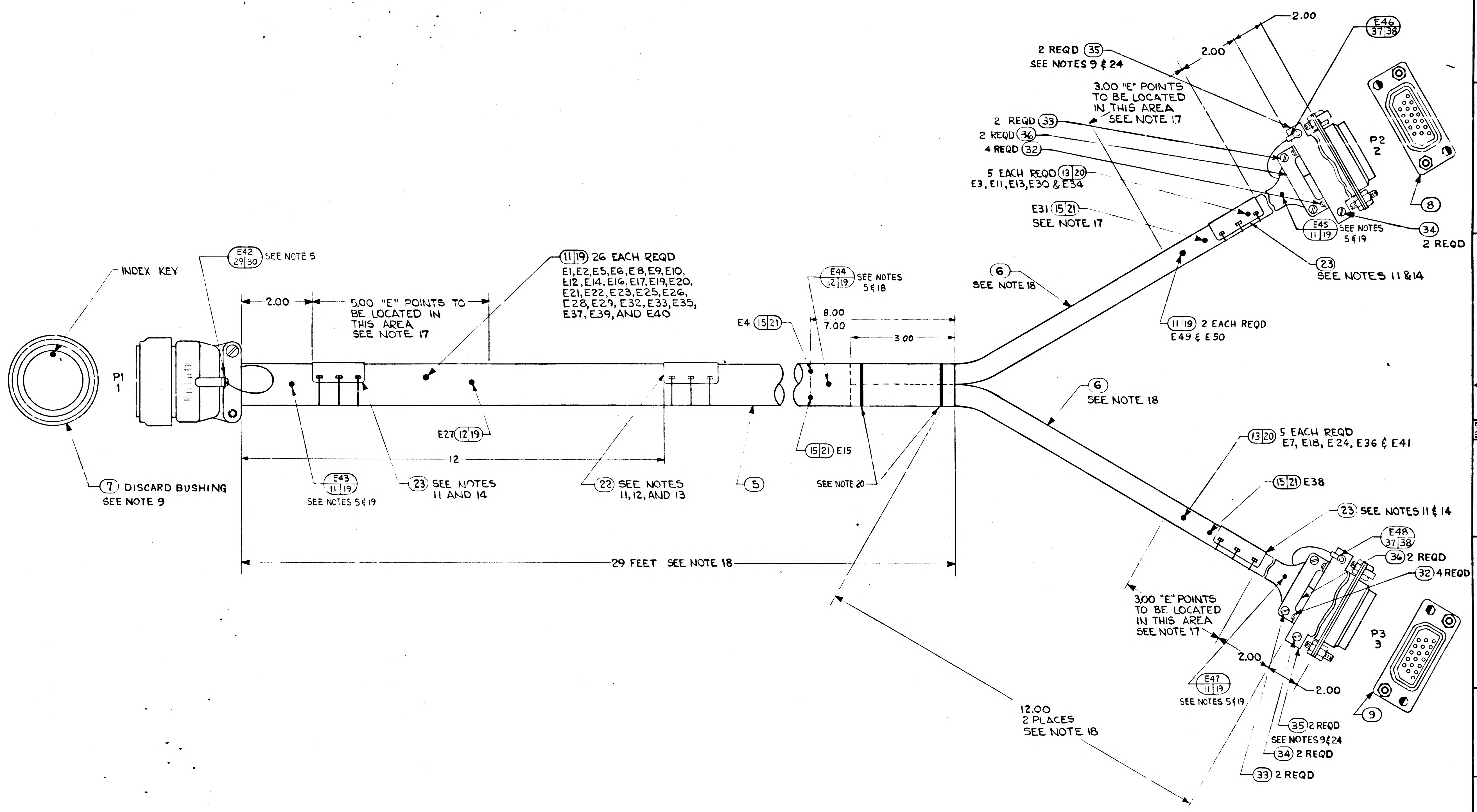
SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR F	SHEET 14 OF 16

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONF. FIG	ACCESSORY ITEMS	REMARKS
A 83	3		E38-B P3-3					.50 .28	NO NO		10	
A 84	2		P1-H* E40-BB					.28 .38	YES NO			
A 85	3		E40-B E41-B					.38 .50	NO NO			SEE NOTE 23
A 86	2		P1-G* E41-B					.28 .50	YES NO			
A 87	3		E41-BB P3-8					.50 .28	NO NO		10	
A 88	28		E43-B3 E42					.38 .18	NO NO			
A 89	28		E45-BB E46					.38 .18	NO NO			
A 90	28		E47-BB E48					.38 .18	NO NO			
A 91	3		E49-B P2-18					.38 .28	NO NO		10	
A 92	3		E50-B P2-17					.38 .28	NO NO		10	

SIZE	CODE IDENT NO.	
A	99974	2900669
SCALE-NONE	REV LTR F	SHEET 15 OF 1

ZONE	LTR	DESCRIPTION	CHG NO	DATE	APPROVED

PLUG NO.	MARKING
P1	W164-P1 (J33-GDB)
P2	W164-P2 (56P30-GNF)
P3	W164-P3 (56P31-GNF)



INDEX KEY
E42 29 30 SEE NOTE 5
P1
1
7 DISCARD BUSHING
SEE NOTE 9
2.00
5.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
11 19 26 EACH REQD
E1, E2, E5, E6, E8, E9, E10, E12, E14, E16, E17, E19, E20, E21, E22, E23, E25, E26, E28, E29, E32, E33, E35, E37, E39, AND E40
E27 12 19
12
E43 11 19
SEE NOTES 5 & 19
23 SEE NOTES 11 AND 14
22 SEE NOTES 11, 12, AND 13
5
E44 12 19 SEE NOTES 5 & 18
E4 15 21
8.00
7.00
3.00
15 21 E15
SEE NOTE 20
29 FEET SEE NOTE 18
6
SEE NOTE 18
6
SEE NOTE 18
2 REQD 35
SEE NOTES 9 & 24
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
2.00
2.00
E46 37 38
2 REQD 33
2 REQD 36
4 REQD 32
5 EACH REQD 13 20
E3, E11, E13, E30 & E34
E31 15 21
SEE NOTE 17
P2
2
8
E45 11 19 SEE NOTES 5 & 19
34 2 REQD
23 SEE NOTES 11 & 14
11 19 2 EACH REQD
E49 & E50
13 20 5 EACH REQD
E7, E18, E24, E36 & E41
15 21 E38
23 SEE NOTES 11 & 14
E48 37 38
34 2 REQD
32 4 REQD
3.00 "E" POINTS TO BE LOCATED IN THIS AREA SEE NOTE 17
2.00
2.00
E47 11 19
SEE NOTES 5 & 19
P3
3
9
35 2 REQD
SEE NOTES 9 & 24
34 2 REQD
33 2 REQD
12.00
2 PLACES
SEE NOTE 18

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE, WIS.
DRAWN [illegible] DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED-W164

CODE IDENT NO 99974
SIZE E
2900669
SCALE FULL
SHEET [illegible]

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REVISION (+) WITH CHANGE PER MXC 207276	8 DEC 65	JWP MEM
		B	REVISED PER MXC 207610	13 DEC 65	RLP W.D.
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	EM JAC

Clarkeston, 29 Nov 65

REV STATUS OF SHEETS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R. Guenes DATE 23 AUG 63
CHECKED M. Manning 29 NOV 65
APPROVAL C W Wise 29 Nov 65
APPROVAL J. M. Watson 12-17-65

NASA APPROVAL a. Metzger / RTT (phone approval)
MIT APPROVAL W Kupfer W Keil

CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL
W165

CODE IDENT NO. 99974
SIZE A
2900670
REV C

SCALE NONE
SHEET 1 OF 14

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIFLD TERMINATION FIGURES ARE PER-
  A - ND1002071
  B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.

6 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 SECURE TO CABLE USING ITEM 11. MARKING TO READ AWAY FROM CONNECTOR ALIGN CENTER LINES OF BAND AND CONNECTOR. MASTER KEY SLOT TO BE COLINEAR WITHIN + OR - 0.25 INCH.

9 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
  A - FROM END SHIELD
  L - WHITE WITH BLUE TRACER
  R - WHITE WITH RED TRACER.
  W - WHITE
  Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 2 OF ~~13~~ 14

MIL 2084 9-65

NOTE NUMBER — GENERAL NOTES DESCRIPTION

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 ASSEMBLE PER ND1002032

14 SERIALIZE PER ND1002023

15 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND ~~ZIPPER TUBING ENDS MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT EACH END.~~ REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN E5-B AND E7-B

16 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003+ OR -.001 THICKNESS ALUMINUM FOIL.

17 SEE NOTES 15 + 16

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+3.00-3.00				

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 3 OF ~~13~~ 14

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	1	2	1897250-001	CONNECTOR, PLUG, ELECTRICAL
17	2	1	2900670-006	ZIPPER TUBING PER ND1002155, TYPE III, .75 DIA., 30 FT TOTAL LENGTH
7	3	X	1897190- 1	CONTACT, PIN (FURNISHED WITH ITEM 1)
	4	2	1016282- 18	GROMMET
	5	1	2900670-001	WIRE, ND1002181, CLASS 1, TYPE 1, WHITE, 22AWG 70 FT TOTAL LENGTH
	6	1	2900670-002	WIRE, ND1002181, CLASS 4, TYPE 1, WHITE JACKET, 22AWG WHITE, 120 FT TOTAL LENGTH
	7	1	2900670-003	WIRE, ND1002081, CLASS 4 TYPE 2, WHITE JACKET, 22AWG, WHT/BLU, WHT/RED, 660 FT TOTAL LENGTH
	8	1	2900670-004	WIRE, ND1002181, CLASS 4, TYPE 3, WHITE JACKET, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 30 FT TOT LG.
7	9	2	1010933-105	CLAMP, CABLE
	10	AR	1901390	FILLER TAPE
	11	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 8)
7	12	1	1016128-011	BAND, IDENTIFICATION
7	13	2	1016128-041	BAND, IDENTIFICATION
7	14	42	1010490-228	INSULATION SLEEVING
7	15	~~11~~ 10	1010490-232	INSULATION SLEEVING

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 4 OF ~~13~~ 14

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	14	1010763- 2	SOLDER SLEEVE
7	17	2	1015902- 45	TERMINAL LUG
7	18	2	1016106-002	SPLICE REDUCER
7	19	2	1010490-258	INSOLATION, SLEEVING
	20	1	2900670-005	WIRE, ND1002181, CLASS I, TYPE 1, WHITE, 20AWG 1 FT TOTAL LENGTH

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 5 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	7				2.30	2.00				B,7	14	
						2.30	2.00				B,7	14	
A	1L			P1-2					.15	NO		3	
				P2-2					.15	NO		3	
A	1R			P1-1					.15	NO		3	
				P2-1					.15	NO		3	
A	2	7				2.30	2.00				B,7	14	
						2.30	2.00				B,7	14	
A	2L			P1-4					.15	NO		3	
				P2-4					.15	NO		3	
A	2R			P1-3					.15	NO		3	
				P2-3					.15	NO		3	
A	3	7				2.30	2.00				B,7	14	
						2.30	2.00				B,7	14	
A	3L			P1-6					.15	NO		3	
				P2-6					.15	NO		3	
A	3R			P1-5					.15	NO		3	
				P2-5					.15	NO		3	
A	4	7				2.30	2.00				A,6A	14, 16	
						2.30	2.00				B,7	14	
A	4A	5		SHLD A4					.25	NO			
				E1					.25	NO			
A	4L			P1-38					.15	NO		3	
				P2-38					.15	NO		3	

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 6 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4R			P1-37					.15	NO		3	
				P2-37					.15	NO		3	
A	5	7				2.80	2.50				A,6A	14, 16	
						2.80	2.50				B,7	14	
A	5A	5		SHLD A5					.25	NO			
				E1					.25	NO			
A	5L			P1-40					.15	NO		3	
				P2-40					.15	NO		3	
A	5R			P1-39					.15	NO		3	
				P2-39					.15	NO		3	
A	6	7				2.80	2.50				A,6A	14, 16	
						2.80	2.50				B,7	14	
A	6A	5		SHLD A6					.25	NO			
				E1					.25	NO			
A	6L			P1-42					.15	NO		3	
				P2-42					.15	NO		3	
A	6R			P1-41					.15	NO		3	
				P2-41					.15	NO		3	
A	7	7				2.80	2.50				A,6A	14, 16	
						2.80	2.50				B,7	14	
A	7A	5		SHLD A7					.25	NO			
				E1					.25	NO			
A	7L			P1-49					.15	NO		3	
				P2-49					.15	NO		3	

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 7 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7R			P1-46					.15	NO		3	
				P2-46					.15	NO		3	
A	8	7				2.80	2.50				A,6A	14, 16	
						2.80	2.50				B,7	14	
A	8A	5		SHLD A8					.25	NO			
				E2					.25	NO			
A	8L			P1-48					.15	NO		3	
				P2-48					.15	NO		3	
A	8R			P1-47					.15	NO		3	
				P2-47					.15	NO		3	
A	9	6				3.30	3.00				A,6A	15, 16	
						3.30	3.00				B,7	15	
A	9A	5		SHLD A9					.25	NO			
				E2					.25	NO			
A	9W			P1-44					.15	NO		3	
				P2-44					.15	NO		3	
A	10	6				3.30	3.00				A,6A	15, 16	
						3.30	3.00				B,7	15	
A	10A	5		SHLD A10					.25	NO			
				E2					.25	NO			
A	10W			P1-45					.15	NO		3	
				P2-45					.15	NO		3	
A	11	7				3.30	3.00				B,7	14	
						3.30	3.00				B,7	14	

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 8 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11L			P1-30					.15	NO		3	
				P2-30					.15	NO		3	
A	11R			P1-29					.15	NO		3	
				P2-29					.15	NO		3	
A	12	7				3.30	3.00				B,7	14	
						3.30	3.00				B,7	14	
A	12L			P1-24					.15	NO		3	
				P2-24					.15	NO		3	
A	12R			P1-23					.15	NO		3	
				P2-23					.15	NO		3	
A	13	7				3.80	3.50				B,7	14	
						3.80	3.50				B,7	14	
A	13L			P1-26					.15	NO		3	
				P2-26					.15	NO		3	
A	13R			P1-25					.15	NO		3	
				P2-25					.15	NO		3	
A	14	5		P1-27					.15	NO		3	
				P2-27					.15	NO		4	
A	15	7				3.80	3.50				B,7	14	
						3.80	3.50				B,7	14	
A	15L			P1-66					.15	NO		3	
				P2-66					.15	NO		3	
A	15R			P1-65					.15	NO		3	
				P2-65					.15	NO		3	

SIZE	CODE IDENT NO.	
A	99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 9 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	16	7				3.80 3.80	3.50 3.50				B,7 B,7	14 14	
A	16L			P1-68 P2-68					.15 .15	NO NO		3 3	
A	16R			P1-67 P2-67					.15 .15	NO NO		3 3	
A	17	7				3.80 3.80	3.50 3.50				B,7 B,7	14 14	
A	17L			P1-70 P2-70					.15 .15	NO NO		3 3	
A	17R			P1-69 P2-69					.15 .15	NO NO		3 3	
A	18	8				4.30 4.30	4.00 4.00				B,7 B,7	14 14	
A	18L			P1-9 P2-9					.15 .15	NO NO		3 3	
A	18R			P1-8 P2-8					.15 .15	NO NO		3 3	
A	18Y			P1-7 P2-7					.15 .15	NO NO		3 3	
A	19	7				4.30 4.30	4.00 4.00				B,7 B,7	14 14	
A	19L			P1-77 P2-77					.15 .15	NO NO		3 3	

SIZE A
CODE IDENT NO. 99974
2900670
SCALE-NONE
REV LTR ★ C
SHEET 10 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	19R			P1-76 P2-76					.15 .15	NO NO		3 3	
A	20	7				4.30 4.30	4.00 4.00				A,6A B,7	14, 16 14	
A	20A	5		SHLD A20 E2					.25 .25	NO NO			
A	20L			P1-32 P2-32					.15 .15	NO NO		3 3	
A	20R			P1-31 P2-31					.15 .15	NO NO		3 3	
A	21	7				4.30 4.30	4.00 4.00				A,6A B,7	14, 16 14	
A	21A	5		SHLD A21 E3					.25 .25	NO NO			
A	21L			P1-35 P2-35					.15 .15	NO NO		3 3	
A	21R			P1-34 P2-34					.15 .15	NO NO		3 3	
A	22	7				4.80 4.80	4.50 4.50				A,6A B,7	14, 16 14	
A	22A	5		SHLD A22 E3					.25 .25	NO NO			
A	22L			P1-74 P2-74					.15 .15	NO NO		3 3	

SIZE A
CODE IDENT NO. 99974
2900670
SCALE-NONE
REV LTR ★ C
SHEET 11 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	22R			P1-73 P2-73					.15 .15	NO NO		3 3	
A	23	5		E3 E4					.25 .25	NO NO			
A	24	5		E2 E4					.25 .25	NO NO			
A	25	5		E1 E4					.25 .25	NO NO			
A	26	5		E4 P1-63					.25 .15	NO NO		 3	
A	27	7				4.80 4.80	4.50 4.50				B,7 B,7	14 14	
A	27L			P1-15 P2-15					.15 .15	NO NO		3 3	
A	27R			P1-40 P2-30					.15 .15	NO NO		3 3	
A	28	7				4.80 4.80	4.50 4.50				B,7 B,7	14 14	
A	28L			P1-4 P2-4					.15 .15	NO NO		3 3	
A	28R			P1-5 P2-5					.15 .15	NO NO		3 3	
A	29	5		P1-14 P2-14					.15 .15	NO NO		3 3	

SIZE A
CODE IDENT NO. 99974
2900670
SCALE-NONE
REV LTR ★ C
SHEET 12 OF ~~13~~ 14

MIL 2084 9-65

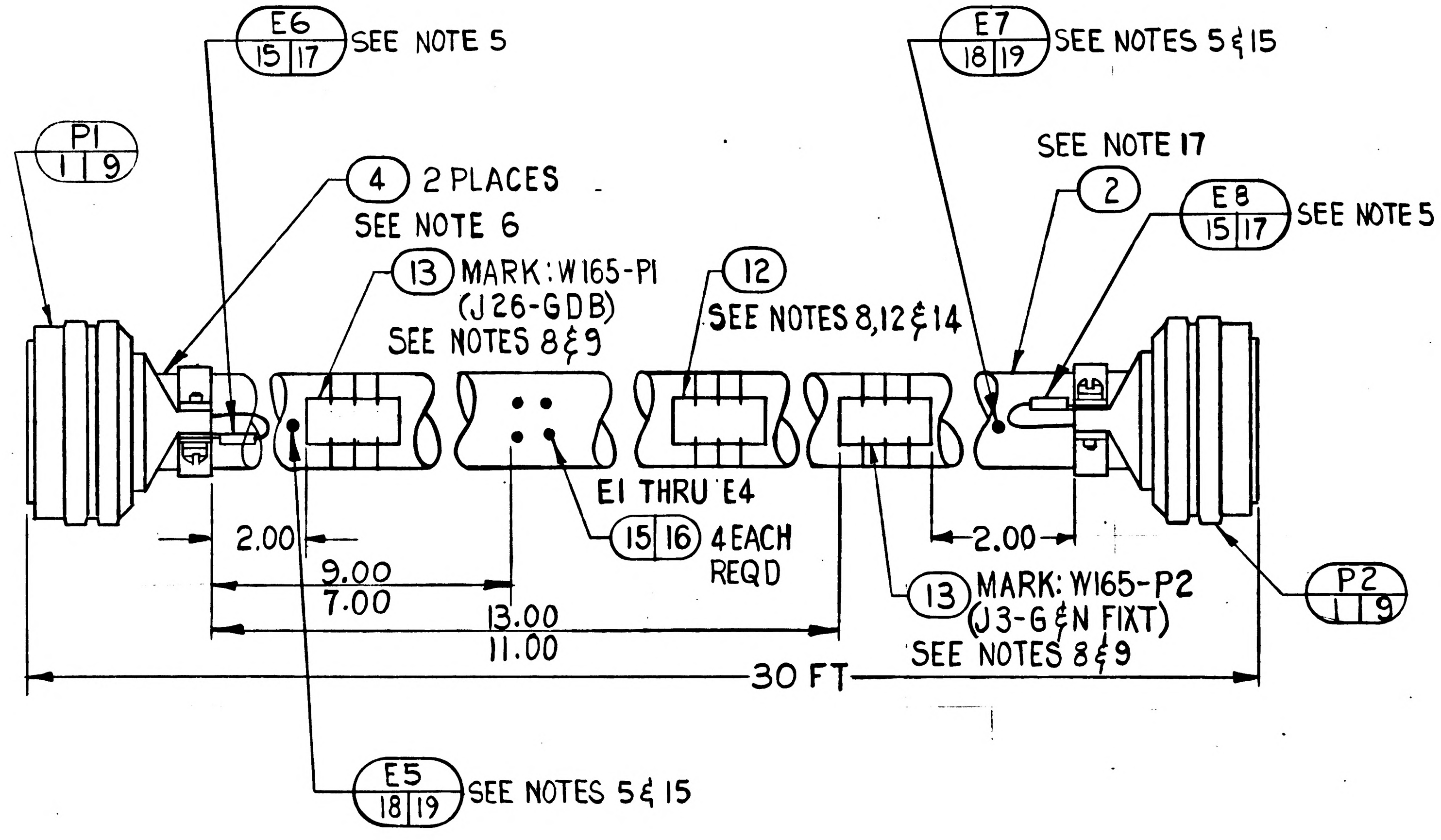
CABLE ASSEMBLY W165 2900670 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	30	20		E5-BB E6					.38 .20	NO NO			
A	31	20		E7-BB E8					.38 .20	NO NO			

MANNED
SPACECRAFT
CENTER
HOUSTON, TEXAS
SIZE A
2900670
SCALE - NONE
REV LTR C
SHEET 13 OF 14

MIL 2084 4-63

SYM	ZONE	REVISIONS TDRR 24761 DESCRIPTION	CHG NO.	DATE	APPD.



E6 15 17 SEE NOTE 5
P1 1 9
4 2 PLACES SEE NOTE 6
13 MARK: W165-P1 (J26-GDB) SEE NOTES 8 & 9
12 SEE NOTES 8,12 & 14
E7 18 19 SEE NOTES 5 & 15
SEE NOTE 17
2
E8 15 17 SEE NOTE 5
E1 THRU E4
15 16 4 EACH REQD
2.00
9.00
7.00
13.00
11.00
30 FT
2.00
13 MARK: W165-P2 (J3-G & N FIXT) SEE NOTES 8 & 9
P2 1 9
E5 18 19 SEE NOTES 5 & 15

2900712-011	
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± __ DECIMALS ± __ ANGLES ± __
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN R. W. Turner DATE 26 NOV 65
CHECKED 29 NOV 65
APPROVAL C W Wise 29 Nov 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL A. Metzger/RTT (Phone approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL
W165

CODE IDENT NO. 99974
SIZE C
2900670
SCALE NONE
SHEET 14 OF 14

MIL 1077C—P

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REVISION (G) WITH CHANGE PER MXC 207276	8 DEC 65	JWP MEM
B	REVISED PER MXC 207610	13 DEC 65	RLP W.D.
Ⓜ C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	EM JAC
D	REVISED PER TDRR 25703	8 FEB 66	RLP PJ

Charleston
29 NOV 65

REV																
SHEET																
REV STATUS	REV			D	C	C	C	C	C	C	C	C	C	C	D	C	D
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN R. Guanes DATE 23 AUG 65
CHECKED M. Manning 29 NOV 65
APPROVAL C. W. Wise 29 Nov 65
APPROVAL J. M. Walton 12-17-65

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL
W165

NASA APPROVAL A. Metzger / RTT (Three Approval)
MIT APPROVAL W. Kupfer 10 Dec 65

CODE IDENT NO.	SIZE		REV
99974	A	2900670	D

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 14

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.

6 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 10 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 SECURE TO CABLE USING ITEM 11. MARKING TO READ AWAY FROM CONNECTOR ALIGN CENTER LINES OF BAND AND CONNECTOR. MASTER KEY SLOT TO BE COLINEAR WITHIN + OR - 0.25 INCH.

9 MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED .12 HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
Y - YELLOW, WHITE WITH LETTER Y OR WHITE WITH YELLOW TRACER.

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES

SIZE A | CODE IDENT NO. 99974 | 2900670
SCALE-NONE | REV LTR ★C | SHEET 2 OF ~~13~~ 14

NOTE NUMBER — GENERAL NOTES DESCRIPTION

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 ASSEMBLE PER ND1002032

14 SERIALIZE PER ND1002023

15 SEPARATE GROUNDING STRIP FROM TUBING 4 TO 5 INCHES FROM END. SECURE STRIP STITCHING AND ~~ZIPPER TUBING ENDS MUST BE CUT TO PROVIDE A SIX INCH BRAID PIGTAIL AT EACH END.~~
REMOVE FREED BACKING FOIL AS REQUIRED. CUT OFF 2 INCHES OF STRIP AND TERMINATE IN ES-B AND E7-B

16 ZIPPER TUBING SHALL HAVE Z TYPE TRACK, WITH .003+ OR -.001 THICKNESS ALUMINUM FOIL.

17 SEE NOTES 15 + 16

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+3.00-3.00				

SIZE A | CODE IDENT NO. 99974 | 2900670
SCALE-NONE | REV LTR ★C | SHEET 3 OF ~~13~~ 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	1	2	1897250-001	CONNECTOR, PLUG, ELECTRICAL
17	2	1	2900670-006	ZIPPER TUBING PER ND1002155, TYPE III, .75 DIA., 30 FT TOTAL LENGTH
7	3	X	1897190- 1	CONTACT, PIN (FURNISHED WITH ITEM 1)
	4	2	1016282- 18	GROMMET
	5	1	2900670-001	WIRE, ND1002181, CLASS 1, TYPE 1, WHITE, 22AWG 70 FT TOTAL LENGTH
	6	1	2900670-002	WIRE, ND1002181, CLASS 4, TYPE 1, WHITE JACKET, 22AWG WHITE, 120 FT TOTAL LENGTH
	7	1	2900670-003	WIRE, ND1002081, CLASS 4 TYPE 2, WHITE JACKET, 22AWG, WHT/BLU, WHT/RED, 660 FT TOTAL LENGTH
	8	1	2900670-004	WIRE, ND1002181, CLASS 4, TYPE 3, WHITE JACKET, 22AWG, WHT/BLU, WHT/RED, WHT/YEL, 30 FT TOT LG.
7	9	2	1010933-105	CLAMP, CABLE
	10	AR	1901390	FILLER TAPE
	11	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 8)
7	12	1	1016128-011	BAND, IDENTIFICATION
7	13	2	1016128-041	BAND, IDENTIFICATION
7	14	42	1010490-228	INSULATION SLEEVING
7	15	~~8~~ 10	1010490-232	INSULATION SLEEVING

SIZE A | CODE IDENT NO. 99974 | 2900670
SCALE-NONE | REV LTR ★C | SHEET 4 OF ~~13~~ 14

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	16	14	1010763- 2	SOLDER SLEEVE
7	17	2	1015902- 45	TERMINAL LUG
7	18	2	1016106-002	SPLICE REDUCER
7	19	2	1010490-258	INSOLATION, SLEEVING
	20	1	2900670-005	WIRE, ND1002181, CLASS I, TYPE 1, WHITE, 20AWG 1 FT TOTAL LENGTH

SIZE A | CODE IDENT NO. 99974 | 2900670
SCALE-NONE | REV LTR ★C | SHEET 5 OF ~~13~~ 14

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	7				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A 1L			P1-2 P2-2					.15 .15	NO NO		3 3	
A 1R			P1-1 P2-1					.15 .15	NO NO		3 3	
A 2	7				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A 2L			P1-4 P2-4					.15 .15	NO NO		3 3	
A 2R			P1-3 P2-3					.15 .15	NO NO		3 3	
A 3	7				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A 3L			P1-6 P2-6					.15 .15	NO NO		3 3	
A 3R			P1-5 P2-5					.15 .15	NO NO		3 3	
A 4	7				2.30 2.30	2.00 2.00				A,6A B,7	14, 16 14	
A 4A	5		SHLD A4 E1					.25 .25	NO NO			
A 4L			P1-38 P2-38					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 6 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4R			P1-37 P2-37					.15 .15	NO NO		3 3	
A 5	7				2.80 2.80	2.50 2.50				A,6A B,7	14, 16 14	
A 5A	5		SHLD A5 E1					.25 .25	NO NO			
A 5L			P1-40 P2-40					.15 .15	NO NO		3 3	
A 5R			P1-39 P2-39					.15 .15	NO NO		3 3	
A 6	7				2.80 2.80	2.50 2.50				A,6A B,7	14, 16 14	
A 6A	5		SHLD A6 E1					.25 .25	NO NO			
A 6L			P1-42 P2-42					.15 .15	NO NO		3 3	
A 6R			P1-41 P2-41					.15 .15	NO NO		3 3	
A 7	7				2.80 2.80	2.50 2.50				A,6A B,7	14, 16 14	
A 7A	5		SHLD A7 E1					.25 .25	NO NO			
A 7L			P1-49 P2-49					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 7 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7R			P1-46 P2-46					.15 .15	NO NO		3 3	
A 8	7				2.80 2.80	2.50 2.50				A,6A B,7	14, 16 14	
A 8A	5		SHLD A8 E2					.25 .25	NO NO			
A 8L			P1-48 P2-48					.15 .15	NO NO		3 3	
A 8R			P1-47 P2-47					.15 .15	NO NO		3 3	
A 9	6				3.30 3.30	3.00 3.00				A,6A B,7	15, 16 15	
A 9A	5		SHLD A9 E2					.25 .25	NO NO			
A 9W			P1-44 P2-44					.15 .15	NO NO		3 3	
A 10	6				3.30 3.30	3.00 3.00				A,6A B,7	15, 16 15	
A 10A	5		SHLD A10 E2					.25 .25	NO NO			
A 10W			P1-45 P2-45					.15 .15	NO NO		3 3	
A 11	7				3.30 3.30	3.00 3.00				B,7 B,7	14 14	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 8 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 11L			P1-30 P2-30					.15 .15	NO NO		3 3	
A 11R			P1-29 P2-29					.15 .15	NO NO		3 3	
A 12	7				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A 12L			P1-24 P2-24					.15 .15	NO NO		3 3	
A 12R			P1-23 P2-23					.15 .15	NO NO		3 3	
A 13	7				3.80 3.80	3.50 3.50				B,7 B,7	14 14	
A 13L			P1-26 P2-26					.15 .15	NO NO		3 3	
A 13R			P1-25 P2-25					.15 .15	NO NO		3 3	
A 14	5		P1-27 P2-27					.15 .15	NO NO		3 4	
A 15	7				3.80 3.80	3.50 3.50				B,7 B,7	14 14	
A 15L			P1-66 P2-66					.15 .15	NO NO		3 3	
A 15R			P1-65 P2-65					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 9 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 16	7				3.80 3.80	3.50 3.50				8,7 8,7	14 14	
A 16L			P1-68 P2-68					.15 .15	NO NO		3 3	
A 16R			P1-67 P2-67					.15 .15	NO NO		3 3	
A 17	7				3.80 3.80	3.50 3.50				8,7 8,7	14 14	
A 17L			P1-70 P2-70					.15 .15	NO NO		3 3	
A 17R			P1-69 P2-69					.15 .15	NO NO		3 3	
A 18	8				4.30 4.30	4.00 4.00				8,7 8,7	14 14	
A 18L			P1-9 P2-9					.15 .15	NO NO		3 3	
A 18R			P1-8 P2-8					.15 .15	NO NO		3 3	
A 18Y			P1-7 P2-7					.15 .15	NO NO		3 3	
A 19	7				4.30 4.30	4.00 4.00				8,7 8,7	14 14	
A 19L			P1-77 P2-77					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 10 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 19R			P1-76 P2-76					.15 .15	NO NO		3 3	
A 20	7				4.30 4.30	4.00 4.00				A,6A 8,7	14, 16 14	
A 20A	5		SHLD A20 E2					.25 .25	NO NO			
A 20L			P1-32 P2-32					.15 .15	NO NO		3 3	
A 20R			P1-31 P2-31					.15 .15	NO NO		3 3	
A 21	7				4.30 4.30	4.00 4.00				A,6A 8,7	14, 16 14	
A 21A	5		SHLD A21 E3					.25 .25	NO NO			
A 21L			P1-35 P2-35					.15 .15	NO NO		3 3	
A 21R			P1-34 P2-34					.15 .15	NO NO		3 3	
A 22	7				4.80 4.80	4.50 4.50				A,6A 8,7	14, 16 14	
A 22A	5		SHLD A22 E3					.25 .25	NO NO			
A 22L			P1-74 P2-74					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR ★C	SHEET 11 OF ~~13~~ 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 22R			P1-73 P2-73					.15 .15	NO NO		3 3	
A 23	5		E3 E4					.25 .25	NO NO			
A 24	5		E2 E4					.25 .25	NO NO			
A 25	5		E1 E4					.25 .25	NO NO			
A 26	5		E4 P1-63					.25 .15	NO NO		 3	
A 27	7				4.80 4.80	4.50 4.50				8,7 8,7	14 14	
A 27L			P1-81 P2-81					.15 .15	NO NO		3 3	
A 27R			P1-80 P2-80					.15 .15	NO NO		3 3	
A 28	7				4.80 4.80	4.50 4.50				8,7 8,7	14 14	
A 28L			P1-83 P2-83					.15 .15	NO NO		3 3	
A 28R			P1-82 P2-82					.15 .15	NO NO		3 3	
A 29	5		P1-84 P2-84					.15 .15	NO NO		3 3	

SIZE A	CODE IDENT NO. 99974	2900670
SCALE-NONE	REV LTR D	SHEET 12 OF 14

MIL 2084 9-65

CABLE ASSEMBLY W165 2900670 C

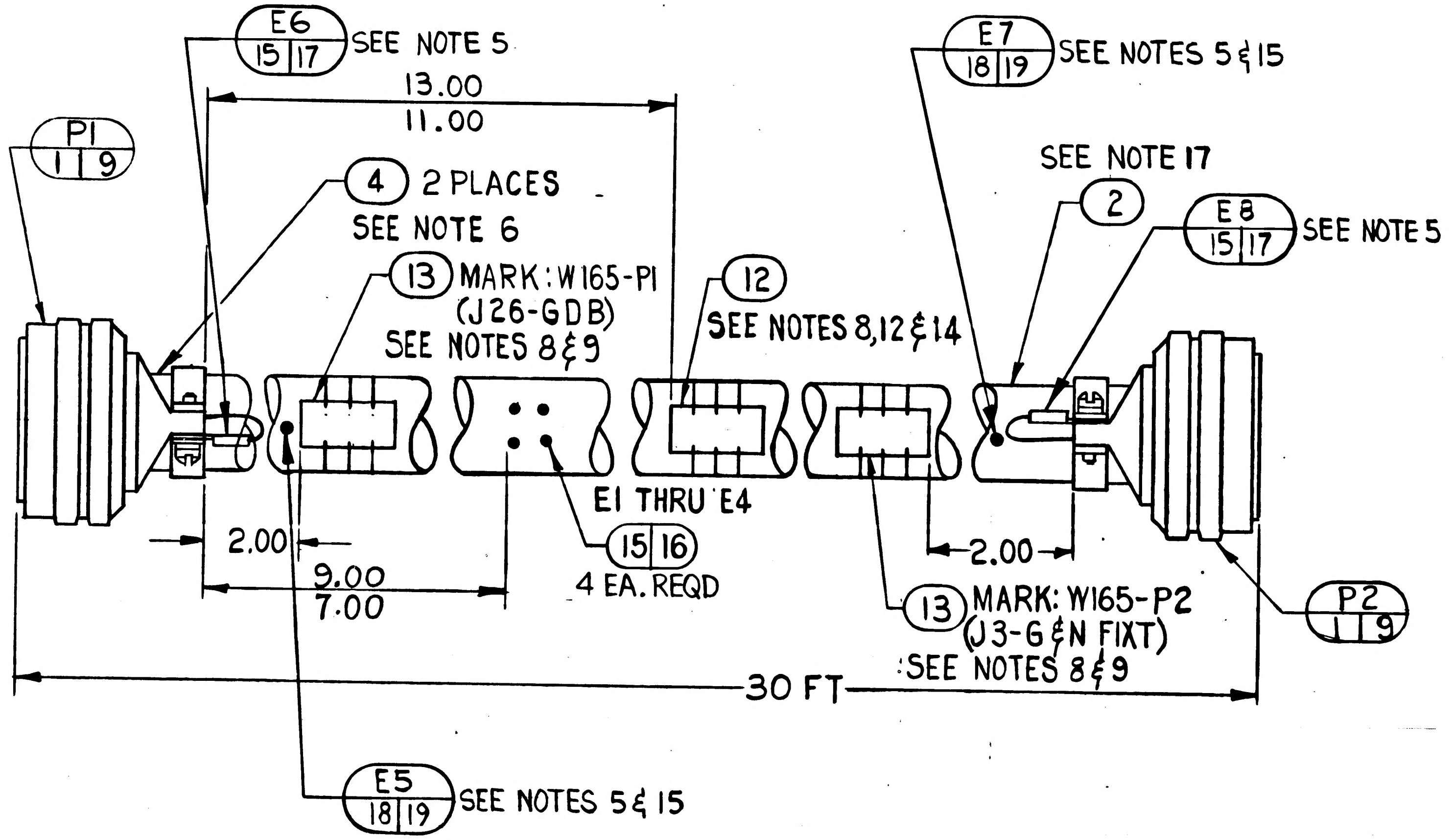
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30	20		E5-BB E6					.38 .20	NO NO			
A 31	20		E7-BB E8					.38 .20	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900670
SCALE-NONE	REV LTR C	SHEET 13 OF 14

MIL 2084 4-63

2900670

SYM	ZONE	DESCRIPTION REVISIONS TDRR 24761	CHG NO.	DATE	APPD.



P1 1 9
E6 15 17 SEE NOTE 5
13.00
11.00
4 2 PLACES
SEE NOTE 6
13 MARK: W165-P1 (J26-GDB)
SEE NOTES 8 & 9
12 SEE NOTES 8, 12 & 14
E7 18 19 SEE NOTES 5 & 15
SEE NOTE 17
2
E8 15 17 SEE NOTE 5
E1 THRU E4
15 16 4 EA. REQD
2.00
9.00
7.00
2.00
13 MARK: W165-P2 (J3-G & N FIXT)
SEE NOTES 8 & 9
P2 1 9
30 FT
E5 18 19 SEE NOTES 5 & 15

2900670

2900712-011	
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS + — − | ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. W. Turner DATE 26 NOV 65
CHECKED 29 NOV 65
APPROVAL C W Wise 29 Nov 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL A. Metzger/RTS (Phone Approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE,
ELECTRICAL
W165

CODE IDENT NO. 9974
SIZE C
2900670
SCALE NONE
SHEET 14 OF 14

MIL 1077C—P
M-418

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 207277	7 DEC 65	RLP CP
B	REVISED PER MXC 207595	13 DEC 65	RGB MEM
C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RJJ

REV		C	C	C	C	C	C	C	C	C										
SHEET		20	21	22	23	24	25	26	27	28										
REV STATUS	REV					C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

REV	C	C	C	C
SHEET	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 28 NOV 65
CHECKED 29 NOV 65
APPROVAL E Swanson 29 Nov 65
APPROVAL J. M. Walson 12-17-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W166

CODE IDENT NO. 99974
SIZE A
2900671
REV C
SCALE NONE
SHEET 1 OF 28

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019.
7	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
8	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
9	ITEM 12, 18 AND 19 TO BE FURNISHED WITH ITEMS 1 THRU 4. ITEM 30 FURNISHED WITH ITEM 28
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD E - GRAY L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE WITH LETTER W. X - COAX OUTER CONDUCTOR Y - WHITE WITH YELLOW TRACER.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR C	SHEET 2 OF ~~27~~ 28

NOTE NUMBER	GENERAL NOTES DESCRIPTION
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SECURE TO CABLE USING ITEM 25, MARKING TO READ AWAY FROM CONNECTOR
14	SERIALIZE PER ND 1002023
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 20 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
16	MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH COLOR BLACK PER ND1002019. CENTRALIZE
17	ASSEMBLE PER ND1002032
18	LOCATE E POINTS BETWEEN INDICATED DIMENSIONS AND STAGGER TO REDUCE BULK.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR C	SHEET 3 OF 28

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	MS3126F24-61S	(1897048-610) CONNECTOR-PLUG
	2	1	MS3126F24-61SX	(1897048-612) CONNECTOR-PLUG
	3	1	MS3126F24-61P	(1897047-610) CONNECTOR-PLUG
	4	1	MS3126F24-61PW	(1897047-611) CONNECTOR-PLUG
	5	1	2900671-001	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU,WHT/YEL, 30 FT TOTAL LG
	6	1	2900671-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU, 1110 FT TOTAL LENGTH
	7	1	2900671-003	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JKT, 20AWG WHT 120 FT TOTAL LENGTH
	8	1	2900671-004	WIRE, ND1002181, TYPE 1, CLASS 1, WHT 22AWG 132 FT TOTAL LENGTH
	9	1	2900671-005	WIRE COAXIAL PER MIL-C-17/69A, RG188A/U 30 FT TOTAL LENGTH
8	10	44	1010763- 3	SLEEVE, SOLDER
	11	1	2900671-007	ZIPPER TUBING, PER ND1002155, TYPE IV, 2, CHANNEL 1.125 DIA PER CHANNEL, 30 FT TOT. LG
9	12	1	1016282- 24	RUBBER GROMMET
8	13	2	1010490-226	INSULATION SLEEVING, ELEC
8	14	100	1010490-228	INSULATION SLEEVING, ELEC
	15	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, (ES2732 NO. 18)

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR C	SHEET 4 OF 28

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	16	5	1016128-041	BAND, IDENTIFICATION
8	17	1	1016128-011	BAND, IDENTIFICATION
9	18		MS3192A-20A	(1896855-020) CONTACT PINS
9	19		MS3193A-20A	(1896877-020) CONTACT SOCKETS
	20	AR	1901390	FILLER TAPE
8	21	32	1010763- 2	SLEEVE, SOLDER
	22	1	2900671-006	WIRE, ND1002181, TYPE 1, CLASS 1, WHT, 20AWG 68 FT TOTAL LENGTH
8	23	2	1016281-180	CONTACT, PIN
8	24	2	1016281-181	CONTACT, SOCKET
	25	1	2900671-008	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT, 60 FT TOTAL LENGTH
8	26	~~2~~ 1	1010763- 1	SOLDER SLEEVE
8	27	12	1010490-232	INSULATION SLEEVING, ELECT.
	28	1	1897250-009	CONNECTOR PLUG
	29	1	1010933-103	CLAMP, CABLE
	30		1897190- 1	CONTACT PIN
	31	1	2900671-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT 22AWG, WHT/BLU, WHT/RED, FT. TOTAL LENGTH
	32	1	1016282- 14	RUBBER GROMMET

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR C	SHEET 5 OF 28

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	33	1	2900671-010	ZIPPER TUBING, PER ND1002155, TYPE I, ZTZ, GRAY, .750 DIA FT. TOTAL LENGTH
8	34	3	1016006-002	SPLICE REDUCER
8	35	3	1010490-258	INSULATION SLEEVING ELECTRICAL

LIST OF MATERIALS

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 6 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6			2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	1A	8	SHLD A1 E1					.25 .25	NO NO			
A	1L		P2-DD P4-DD					.22 .22	NO NO		19 18	
A	1R		P2-EE P4-EE					.22 .22	NO NO		19 18	
A	2	6			2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	2A	8	SHLD A2 E1					.25 .25	NO NO			
A	2L		P2-FF P4-FF					.22 .22	NO NO		19 18	
A	2R		P2-GG P4-GG					.22 .22	NO NO		19 18	
A	3	6			2.30 2.30	2.00 2.00				A,6B B,7	10, 14 14	
A	3A	8	SHLD A3 P2-B					.25 .25	NO NO			
A	3L		P2-JJ P4-JJ					.22 .22	NO NO		19 18	
A	3R		P2-KK P4-KK					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 7 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	6			2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	4A	8	SHLD A4 E1					.25 .25	NO NO			
A	4L		P2-Z P4-Z					.22 .22	NO NO		19 18	
A	4R		P2-A* P4-A*					.22 .22	NO NO		19 18	
A	5	6			2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	5A	8	SHLD A5 E1					.25 .25	NO NO			
A	5L		P2-V P4-V					.22 .22	NO NO		19 18	
A	5R		P2-W P4-W					.22 .22	NO NO		19 18	
A	6	6			2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	6A	8	SHLD A6 E2					.25 .25	NO NO			
A	6L		P2-X P4-X					.22 .22	NO NO		19 18	
A	6R		P2-Y P4-Y					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 8 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	6			2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	7A	8	SHLD A7 E2					.25 .25	NO NO			
A	7L		P2-H* P4-H*					.22 .22	NO NO		19 18	
A	7R		P2-I* P4-I*					.22 .22	NO NO		19 18	
A	8	6			2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	8A	8	SHLD A8 E2					.25 .25	NO NO			
A	8L		P2-F* P4-F*					.22 .22	NO NO		19 18	
A	8R		P2-G* P4-G*					.22 .22	NO NO		19 18	
A	9	6			2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	9A	8	SHLD A9 E2					.25 .25	NO NO			
A	9L		P2-D* P4-D*					.22 .22	NO NO		19 18	
A	9R		P2-E* P4-F*					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 9 OF 28

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A 10A	8		SHLD A10 ~~E2~~ E13					.25 .25	NO NO			
A 10L			P2-J* P4-J*					.22 .22	NO NO		19 18	
A 10R			P2-K* P4-K*					.22 .22	NO NO		19 18	
A 11	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A 11A	8		SHLD A11 E3					.25 .25	NO NO			
A 11L			P2-B* P4-B*					.22 .22	NO NO		19 18	
A 11R			P2-C* P4-C*					.22 .22	NO NO		19 18	
A 12	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A 12A	8		SHLD A12 E3					.25 .25	NO NO			
A 12L			P2-NN P4-NN					.22 .22	NO NO		19 18	
A 12R			P2-PP P4-PP					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ★C	SHEET 10 OF 28	

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A 13A	8		SHLD A13 E3					.25 .25	NO NO			
A 13L			P2-LL P4-LL					.22 .22	NO NO		19 18	
A 13R			P2-MM P4-MM					.22 .22	NO NO		19 18	
A 14	5				2.30 2.30	2.00 2.00				B,7 B,7	13 13	
A 14L			P2-AA P4-AA					.22 .22	NO NO		19 18	
A 14R			P2-CC P4-CC					.22 .22	NO NO		19 18	
A 14Y			P2-BB P4-BB					.22 .22	NO NO		19 18	
A 15	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A 15A	8		SHLD A15 P2-S*					.25 .22	NO NO		 19	
A 15B	8		P4-S* SHLD A15					.22 .25	NO NO		18	
A 15L			P2-T* P4-T*					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ★C	SHEET 11 OF 28	

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 15R			P2-U* P4-U*					.22 .22	NO NO		19 18	
A 16	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A 16A	8		SHLD A15 P2-P*					.25 .22	NO NO		 19	
A 16B	8		P4-P* SHLD A16					.22 .25	NO NO		18	
A 16L			P2-Q* P4-Q*					.22 .22	NO NO		19 18	
A 16R			P2-R* P4-R*					.22 .22	NO NO		19 18	
A 17	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A 17A	8		SHLD A17 E3					.25 .25	NO NO			
A 17L			P2-V* P4-V*					.22 .22	NO NO		19 18	
A 17R			P2-W* P4-W*					.22 .22	NO NO		19 18	
A 18	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A 18A	8		SHLD A18 ~~E3~~ E13					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ★C	SHEET 12 OF 28	

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 18L			P2-X* P4-X*					.22 .22	NO NO		19 18	
A 18R			P2-Y* P4-Y*					.22 .22	NO NO		19 18	
A 19	9				2.80 2.80	2.50 2.50				A,6B A,6A	21, 27 21, 27	
A 19A	8		A19Y P2-M*					.25 .22	NO NO		 19	
A 19B	8		P4-M* A19X					.22 .25	NO NO		18	
A 19E			P2-N* P4-N*					.22 .22	NO NO		19 18	
A 20	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A 20L			P2-T P4-T					.22 .22	NO NO		19 18	
A 20R			P2-U P4-U					.22 .22	NO NO		19 18	
A 21	22		P2-HH P4-HH					.22 .22	NO NO		19 18	
A 22	22		E1 E4-B					.25 .25	NO NO			
A 23	22		E2 E4-B					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ★C	SHEET 13 OF 28	

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24	22		E3 E4-B					.25 .25	NO NO			
A 25	22		E4-BB P2-L					.25 .22	NO NO		 19	
A 26	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 26A	8		SHLD A26 P1-H*					.25 .22	NO NO		 19	
A 26B	8		E5 SHLD A26					.25 .25	NO NO			
A 26L			P1-NN P3-NN					.22 .22	NO NO		19 18	
A 26R			P1-PP P3-PP					.22 .22	NO NO		19 18	
A 27	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 27A	8		SHLD A27 P1-P					.25 .22	NO NO		 19	
A 27B	8		E5 SHLD A27					.25 .25	NO NO			
A 27L			P1-LL P3-LL					.22 .22	NO NO		19 18	
A 27R			P1-MM P3-MM					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 14 OF 28

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 28	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 28A	8		SHLD A28 P1-E					.25 .22	NO NO		 19	
A 28B	8		E5 SHLD A28					.25 .25	NO NO			
A 28L			P1-JJ P3-JJ					.22 .22	NO NO		19 18	
A 28R			P1-KK P3-KK					.22 .22	NO NO		19 18	
A 29	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 29A	8		SHLD A29 P1-A*					.25 .22	NO NO		 19	
A 29B	8		E5 SHLD A29					.25 .25	NO NO			
A 29L			P1-GG P3-GG					.22 .22	NO NO		19 18	
A 29R			P1-HH P3-HH					.22 .22	NO NO		19 18	
A 30	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 30A	8		SHLD A30 P1-V					.25 .22	NO NO		 19	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 15 OF 28

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	8		~~E5~~ E14 SHLD A30					.25 .25	NO NO			
A 30L			P1-EE P3-EE					.22 .22	NO NO		19 18	
A 30R			P1-FF P3-FF					.22 .22	NO NO		19 18	
A 31	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 31A	8		SHLD A31 P1-C*					.25 .22	NO NO		 19	
A 31B	8		E6 SHLD A31					.25 .25	NO NO			
A 31L			P1-W* P3-W*					.22 .22	NO NO		19 18	
A 31R			P1-X* P3-X*					.22 .22	NO NO		19 18	
A 32	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 32A	8		SHLD A32 P1-Z					.25 .22	NO NO		 19	
A 32B	8		E6 SHLD A32					.25 .25	NO NO			
A 32L			P1-U* P3-U*					.22 .22	NO NO		19 18	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 16 OF 28

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CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32R			P1-V* P3-V*					.22 .22	NO NO		19 18	
A 33	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 33A	8		SHLD A33 P1-R					.25 .22	NO NO		 19	
A 33B	8		E6 SHLD A33					.25 .25	NO NO			
A 33L			P1-CC P3-CC					.22 .22	NO NO		19 18	
A 33R			P1-DD P3-DD					.22 .22	NO NO		19 18	
A 34	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 34A	8		SHLD A34 P1-L					.25 .22	NO NO		 19	
A 34B	8		E6 SHLD A34					.25 .25	NO NO			
A 34L			P1-AA P3-AA					.22 .22	NO NO		19 18	
A 34R			P1-BB P3-BB					.22 .22	NO NO		19 18	
A 35	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 17 OF 28

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CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	35A	8		SHLD A35 P1-G					.25 .22	NO NO		 19	
A	35B	8		~~E6~~ E14 SHLD A35					.25 .25	NO NO			
A	35L			P1-Y* P3-Y*					.22 .22	NO NO		19 18	
A	35R			P1-Z* P3-Z*					.22 .22	NO NO		19 18	
A	36	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A	36A	8		SHLD A36 E7					.25 .25	NO NO			
A	36W			P1-K* P3-K*					.22 .22	NO NO		19 18	
A	37	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A	37A	8		SHLD A37 E7					.25 .25	NO NO			
A	37W			P1-J* P3-J*					.22 .22	NO NO		19 18	
A	38	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A	38A	8		SHLD A38 E7					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ~~A~~ C	SHEET 18 OF 29

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CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	38W			P1-I* P3-I*					.22 .22	NO NO		19 18	
A	39	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A	39A	8		SHLD A39 E7					.25 .25	NO NO			
A	39W			P1-H* P3-H*					.22 .22	NO NO		19 18	
A	40	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A	40L			P1-G* P3-G*					.22 .22	NO NO		19 18	
A	40R			P1-M* P3-M*					.22 .22	NO NO		19 18	
A	41	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A	41L			P1-S* P3-S*					.22 .22	NO NO		19 18	
A	41R			P1-T* P3-T*					.22 .22	NO NO		19 18	
A	42	6				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A	42L			P1-Q* P3-Q*					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 19 OF 29

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CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	42R			P1-R* P3-R*					.22 .22	NO NO		19 18	
A	43	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A	43L			P1-N* P3-N*					.22 .22	NO NO		19 18	
A	43R			P1-P* P3-P*					.22 .22	NO NO		19 18	
A	44	22		E7 P1-F*					.25 .22	NO NO		 19	
A	45	22		E5 E8-B					.25 .25	NO NO			
A	46	22		E6 E8-B					.25 .25	NO NO			
A	47	22		E8-BB P3-F*					.25 .22	NO NO		 18	
A	48	8		P1-W P3-W					.22 .22	YES YES		19 18	
A	49	8		P1-X P3-X					.22 .22	YES YES		19 18	
A	50	8		P1-Y P3-Y					.22 .22	YES YES		19 18	
A	51	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 20 OF 29

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CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	51A	8		SHLD A51 E9					.25 .25	NO NO			
A	51L			P1-J P3-J					.22 .22	NO NO		19 18	
A	51R			P1-H P3-H					.22 .22	NO NO		19 18	
A	52	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A	52A	8		SHLD A52 E9					.25 .25	NO NO			
A	52L			P1-M P3-M					.22 .22	NO NO		19 18	
A	52R			P1-K P3-K					.22 .22	NO NO		19 18	
A	53	25		P1-D* P3-D*					.22 .22	NO NO		24 23	
A	54	25		P1-E* P3-E*					.22 .22	NO NO		24 23	
A	55	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A	55A	8		SHLD A55 E10					.25 .25	NO NO			
A	55L			P2-P P4-P					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 21 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55R			P2-R P4-P					.22 .22	NO NO		19 18	
A 56	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 56A	8		SHLD A56 E10					.25 .25	NO NO			
A 56L			P2-K P4-K					.22 .22	NO NO		19 18	
A 56R			P2-J P4-J					.22 .22	NO NO		19 18	
A 57	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 57A	8		SHLD A57 E10					.25 .25	NO NO			
A 57L			P2-M P4-M					.22 .22	NO NO		19 18	
A 57R			P2-N P4-N					.22 .22	NO NO		19 18	
A 58	22		E10 E4-B					.25 .25	NO NO			
A 59	22		E9 P1-F					.25 .22	NO NO		 19	
A 60	31				4.30 4.30	4.00 4.00				A,6A A,6B	21, 14 21, 14	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 22 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60A	8		SHLD A60 E11					.25 .25	NO NO			
A 60B	8		P5-3 SHLD A60					.15 .25	NO NO		30	
A 60L			P3-NN P5-2					.22 .15	NO NO		18 30	
A 60R			P3-PP P5-1					.22 .15	NO NO		18 30	
A 61	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 61A	8		SHLD A61 E11					.25 .25	NO NO			
A 61B	8		P5-6 SHLD A61					.15 .25	NO NO		30	
A 61L			P3-LL P5-5					.22 .15	NO NO		18 30	
A 61R			P3-MM P5-4					.22 .15	NO NO		18 30	
A 62	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 62A	8		SHLD A62 E11					.25 .25	NO NO			
A 62B	8		P5-9 SHLD A62					.15 .25	NO NO		30	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 23 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 62L			P3-JJ P5-8					.22 .15	NO NO		18 30	
A 62R			P3-KK P5-7					.22 .15	NO NO		18 30	
A 63	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 63A	8		SHLD A63 E11					.25 .25	NO NO			
A 63B	8		P5-21 SHLD A63					.15 .25	NO NO		30	
A 63L			P3-W* P5-20					.22 .15	NO NO		18 30	
A 63R			P3-Y* P5-19					.22 .15	NO NO		18 30	
A 64	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 64A	8		SHLD A64 E12-B					.25 .25	NO NO			
A 64B	8		P5-24 SHLD A64					.15 .25	NO NO		30	
A 64L			P3-U* P5-23					.22 .15	NO NO		18 30	
A 64R			P3-V* P5-22					.22 .15	NO NO		18 30	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 24 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 65A	8		SHLD A65 E12-B					.25 .25	NO NO			
A 65B	8		P5-12 SHLD A65					.15 .25	NO NO		30	
A 65L			P3-CC P5-11					.22 .15	NO NO		 30	
A 65R			P3-DD P5-10					.22 .15	NO NO		 30	
A 66	31				2.80 2.80	2.50 2.50				A,6A A,6B	21, 14 21, 14	
A 66A	8		SHLD A66 E12-B					.25 .25	NO NO			
A 66B	8		P5-15 SHLD A66					.15 .25	NO NO		30	
A 66L			P3-AA P5-14					.22 .15	NO NO		18 30	
A 66R			P3-BB P5-13					.22 .15	NO NO		18 30	
A 67	31				2.80 2.80	2.50 2.50				A,6A A,6B	21, 14 21, 14	
A 67A	8		SHLD A67 E12-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 25 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	67B	8	P5-18					.15	NO		30	
			SHLD A67					.25	NO			
A	67L		P3-Y*					.22	NO		18	
			P5-17					.15	NO		30	
A	67R		P3-Z*					.22	NO		18	
			P5-16					.15	NO		30	
A	68	22	E11					.25	NO			
			E12-B					.25	NO			
A	69	22	P3-F*					.22	NO		18	
			E12-BB					.25	NO			
A	70	6			3.80	3.50						
					3.80	3.50						
A	70A	8	SHLD A70									
			E13									
A	70R		P2-E					.22	NO		19	
			P4-E					.22	NO		18	
A	70L		P2-F					.22	NO		19	
			P4-F					.22	NO		18	
A	71	6			3.80	3.50						
					3.60	3.50						
A	71A	8	SHLD A71									
			E13									
A	71R		P2-G					.22	NO		19	
			P4-G					.22	NO		18	
A	71L		P2-H					.22	NO		19	
			P4-H					.22	NO		18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 26 OF 28

MIL 2084 9.65

WIRING HARNESS 2900671 [redacted] ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	72		E13					.25	NO			
			E4-B					.38	NO			
A	73		E14					.25	NO			
			E8-B					.38	NO			

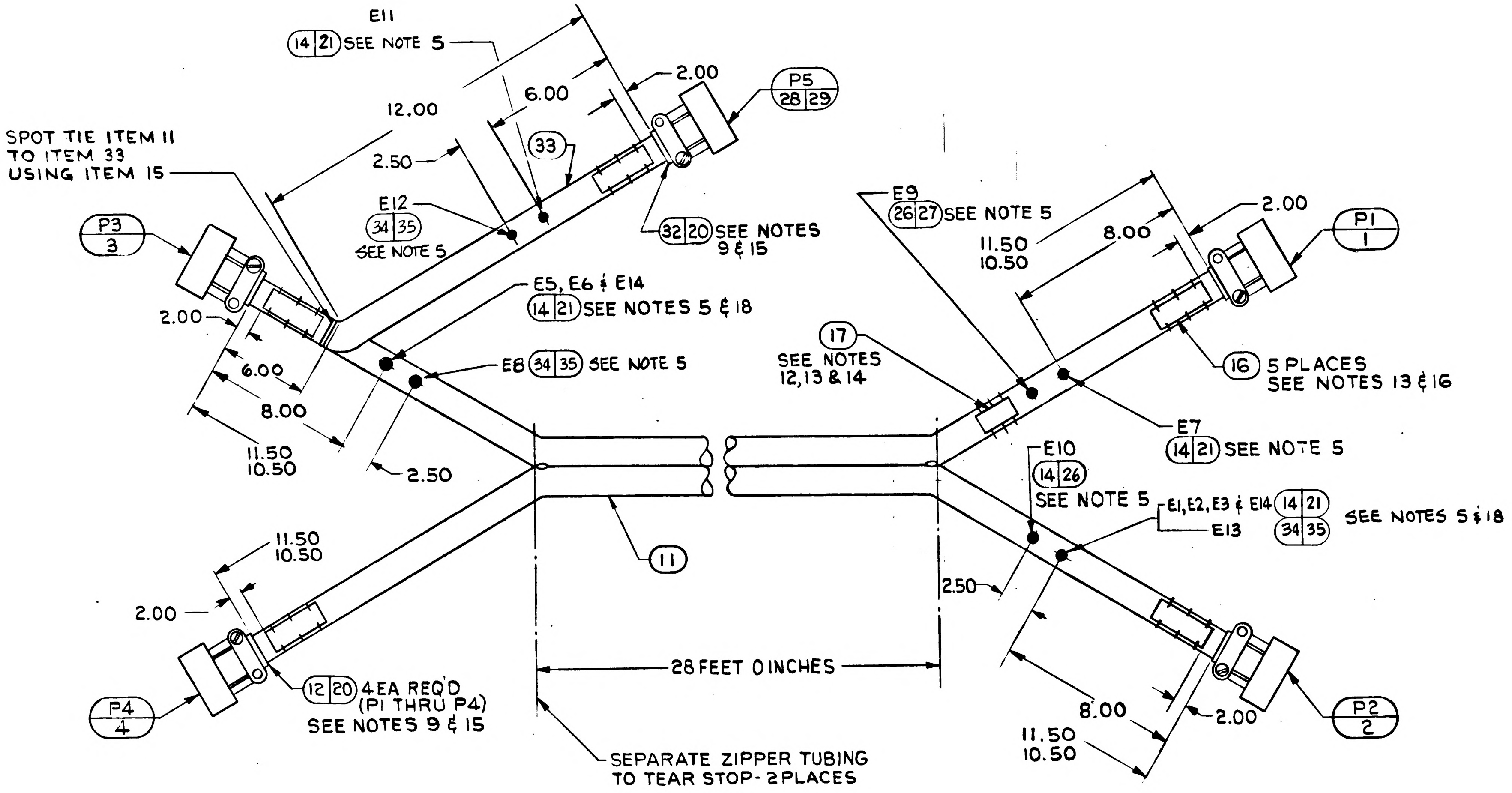
SIZE	CODE IDENT NO.	
A	~~60230~~	[redacted] 2900671
SCALE-NONE	REV LTR ★C	SHEET 27 OF 28

MIL 2084 9.65

PLUG NO.	MARKING
P1	W166-P1(J24-GDB)
P2	W166-P2(J28-GDB)
P3	W166-P3(J3-TP2)
P4	W166-P4(J4-TP2)
P5	W166-P5(W155-P4)

REVISIONS 24701

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


E11
14 21 SEE NOTE 5
12.00
6.00
2.00
P5 28 29
33
2.50
SPOT TIE ITEM 11 TO ITEM 33 USING ITEM 15
E12 34 35 SEE NOTE 5
32 20 SEE NOTES 9 & 15
P3 3
2.00
E5, E6 & E14 14 21 SEE NOTES 5 & 18
6.00
8.00
E8 34 35 SEE NOTE 5
11.50 10.50
2.50
17 SEE NOTES 12,13 & 14
E9 26 27 SEE NOTE 5
11.50 10.50
8.00
2.00
P1 1
16 5 PLACES SEE NOTES 13 & 16
E7 14 21 SEE NOTE 5
E10 14 26 SEE NOTE 5
E1,E2,E3 & E14 14 21
E13 34 35 SEE NOTES 5 & 18
11
2.50
11.50 10.50
2.00
P4 4
12 20 4 EA REQ'D (P1 THRU P4) SEE NOTES 9 & 15
28 FEET 0 INCHES
SEPARATE ZIPPER TUBING TO TEAR STOP- 2 PLACES
8.00
11.50 10.50
2.00
P2 2

2900712-011	2900008-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Janowiak DATE 23 AUG 65
CHECKED D K Fox 25 AUG 65
APPROVAL E Swanson 25 AUG 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED, W166

CODE IDENT NO. 99974
SIZE D
2900671
SCALE NONE
SHEET 28 OF 28

APPLICATION	
NEXT ASSY	USED ON
2900712-011	2900712-011

REVISIONS				
SYM	DESCRIPTION	DATE	APPROVAL	
A	REPLACES REV(+) WITH CHANGE PER MXC 207277	7 DEC 65	RLP	CP
B	REVISED PER MXC 207595	13 DEC 65	RGB	MEM
C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	RJJ	
D	REVISED PER TDRR-25843	9 FEB 66	B.	EF

Ⓜ

REV	C	C	C	C	C	C	D	C	D
SHEET	20	21	22	23	24	25	26	27	28

REV STATUS OF SHEETS	REV	D	C	C	D	D	D	C	C	C	C	C	D	C	C	C	C	C	C	C
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 28 NOV 65
CHECKED D. Lifkof 29 NOV 65
APPROVAL E. Swanson 29 Nov 65
APPROVAL J. M. Walson 12-11-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED, W166

NASA APPROVAL a. Nittginn / RJJ (Phone approval)
MIT APPROVAL W. Coffe 20 Dec 65

CODE IDENT NO. 99974
SIZE A
2900671
REV D

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 28

GENERAL NOTES

NOTE NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

6 APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019.

7 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

8 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

9 ITEM 12, 18 AND 19 TO BE FURNISHED WITH ITEMS 1 THRU 4. ITEM 30 FURNISHED WITH ITEM 28

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE WITH LETTER W.
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER.

11 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 2 OF ~~27~~ 28

GENERAL NOTES

NOTE NUMBER DESCRIPTION

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SECURE TO CABLE USING ITEM 25, MARKING TO READ AWAY FROM CONNECTOR

14 SERIALIZE PER ND 1002023

15 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 20 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP

16 MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH COLOR BLACK PER ND1002019. CENTRALIZE

17 ASSEMBLE PER ND1002032

18 LOCATE E POINTS BETWEEN INDICATED DIMENSIONS AND STAGGER TO REDUCE BULK.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 3 OF 28

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	MS3126F24-61S	(1897048-610) CONNECTOR-PLUG
	2	1	MS3126F24-61SX	(1897048-612) CONNECTOR-PLUG
	3	1	MS3126F24-61P	(1897047-610) CONNECTOR-PLUG
	4	1	MS3126F24-61PW	(1897047-611) CONNECTOR-PLUG
	5	1	2900671-001	WIRE, ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU,WHT/YEL, 30 FT TOTAL LG
	6	1	2900671-002	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU, 1110 FT TOTAL LENGTH
	7	1	2900671-003	WIRE, ND1002181, TYPE 1, CLASS 4, WHT JKT, 20AWG WHT 120 FT TOTAL LENGTH
	8	1	2900671-004	WIRE, ND1002181, TYPE 1, CLASS 1, WHT 22AWG 132 FT TOTAL LENGTH
	9	1	2900671-005	WIRE COAXIAL PER MIL-C-17/69A, RG188A/U 30 FT TOTAL LENGTH
8	10	46	1010763- 3	SLEEVE, SOLDER
	11	1	2900671-007	ZIPPER TUBING, PER ND1002155, TYPE IV, 2, CHANNEL 1.125 DIA PER CHANNEL, 30 FT TOT. LG
9	12	X	1016282- 24	RUBBER GRUMMET (SUPPLIED WITH CONNECTORS)
8	13	2	1010490-226	INSULATION SLEEVING, ELEC
8	14	103	1010490-228	INSULATION SLEEVING, ELEC
	15	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, (ES2732 NO. 18)

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR D	SHEET 4 OF 28

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	16	5	1016128-041	BAND, IDENTIFICATION
8	17	1	1016128-011	BAND, IDENTIFICATION
9	18		MS3192A-20A	(1896855-020) CONTACT PINS
9	19		MS3193A-20A	(1896877-020) CONTACT SOCKETS
	20	AR	1901390	FILLER TAPE
8	21	31	1010763- 2	SLEEVE, SOLDER
	22	1	2900671-006	WIRE, ND1002181, TYPE 1, CLASS 1, WHT, 20AWG 68 FT TOTAL LENGTH
8	23	2	1016281-180	CONTACT, PIN
8	24	2	1016281-181	CONTACT, SOCKET
	25	1	2900671-008	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT, 60 FT TOTAL LENGTH
8	26	1	1010763- 1	SOLDER SLEEVE
8	27	11	1010490-232	INSULATION SLEEVING, ELECT.
	28	1	1897250-009	CONNECTOR PLUG
	29	1	1010933-103	CLAMP, CABLE
	30		1897190- 1	CONTACT PIN
	31	1	2900671-009	WIRE, ND1002181, TYPE 2, CLASS 4, WHT JKT 22AWG, TSP, WHT/BLU, WHT/RED, 14 FT. TOTAL LGTH
	32	1	1016282- 14	RUBBER GRUMMET

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR D	SHEET 5 OF 28

CABLE ASSEMBLY 166 2900671 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	33	1	2900671-010	ZIPPER TUBING, PER ND1002155, TYPE I, ZTZ, GRAY, .750 DIA 20 INCHES TOTAL LENGTH
8	34	3	1016006-002	SPLICE REDUCER
8	35	3	1010490-258	INSULATION SLEEVING ELECTRICAL

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR D	SHEET 6 OF 28

CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	1A	8		SHLD A1 E1					.25 .25	NO NO			
A	1L			P2-DD P4-DD					.22 .22	NO NO		19 18	
A	1R			P2-EE P4-EE					.22 .22	NO NO		19 18	
A	2	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	2A	8		SHLD A2 E1					.25 .25	NO NO			
A	2L			P2-FF P4-FF					.22 .22	NO NO		19 18	
A	2R			P2-GG P4-GG					.22 .22	NO NO		19 18	
A	3	6				2.30 2.30	2.00 2.00				A,6B B,7	10, 14 14	
A	3A	8		SHLD A3 P2-B					.25 .25	NO NO			
A	3L			P2-JJ P4-JJ					.22 .22	NO NO		19 18	
A	3R			P2-KK P4-KK					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 7 OF 28

CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	4A	8		SHLD A4 E1					.25 .25	NO NO			
A	4L			P2-Z P4-Z					.22 .22	NO NO		19 18	
A	4R			P2-A* P4-A*					.22 .22	NO NO		19 18	
A	5	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	5A	8		SHLD A5 E1					.25 .25	NO NO			
A	5L			P2-V P4-V					.22 .22	NO NO		19 18	
A	5R			P2-W P4-W					.22 .22	NO NO		19 18	
A	6	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	6A	8		SHLD A6 E2					.25 .25	NO NO			
A	6L			P2-X P4-X					.22 .22	NO NO		19 18	
A	6R			P2-Y P4-Y					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 8 OF 28

CABLE ASSEMBLY W166 2900671 ★C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	7A	8		SHLD A7 E2					.25 .25	NO NO			
A	7L			P2-H* P4-H*					.22 .22	NO NO		19 18	
A	7R			P2-I* P4-I*					.22 .22	NO NO		19 18	
A	8	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	8A	8		SHLD A8 E2					.25 .25	NO NO			
A	8L			P2-F* P4-F*					.22 .22	NO NO		19 18	
A	8R			P2-G* P4-G*					.22 .22	NO NO		19 18	
A	9	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	9A	8		SHLD A9 E2					.25 .25	NO NO			
A	9L			P2-D* P4-D*					.22 .22	NO NO		19 18	
A	9R			P2-E* P4-F*					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 9 OF 28

CABLE ASSEMBLY W166 2900671 ▲C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	10A	8		SHLD A10 ~~E2~~ E13					.25 .25	NO NO			
A	10L			P2-J* P4-J*					.22 .22	NO NO		19 18	
A	10R			P2-K* P4-K*					.22 .22	NO NO		19 18	
A	11	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	11A	8		SHLD A11 E3					.25 .25	NO NO			
A	11L			P2-B* P4-B*					.22 .22	NO NO		19 18	
A	11R			P2-C* P4-C*					.22 .22	NO NO		19 18	
A	12	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	12A	8		SHLD A12 E3					.25 .25	NO NO			
A	12L			P2-NN P4-NN					.22 .22	NO NO		19 18	
A	12R			P2-PP P4-PP					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ▲C	SHEET 10 OF 28	

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ▲C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	13A	8		SHLD A13 E3					.25 .25	NO NO			
A	13L			P2-LL P4-LL					.22 .22	NO NO		19 18	
A	13R			P2-MM P4-MM					.22 .22	NO NO		19 18	
A	14	5				2.30 2.30	2.00 2.00				B,7 B,7	13 13	
A	14L			P2-AA P4-AA					.22 .22	NO NO		19 18	
A	14R			P2-CC P4-CC					.22 .22	NO NO		19 18	
A	14Y			P2-BB P4-BB					.22 .22	NO NO		19 18	
A	15	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A	15A	8		SHLD A15 P2-S*					.25 .22	NO NO		 19	
A	15B	8		P4-S* SHLD A15					.22 .25	NO NO		18	
A	15L			P2-T* P4-T*					.22 .22	NO NO		19 18	

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ▲C	SHEET 11 OF 28	

MIL 2084 9-65

CABLE ASSEMBLY 166 2900671 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15R			P2-U* P4-U*					.22 .22	NO NO		19 18	
A	16	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A	16A	8		SHLD A16 P2-P*					.25 .22	NO NO		 19	
A	16B	8		P4-P* SHLD A16					.22 .25	NO NO		18	
A	16L			P2-Q* P4-Q*					.22 .22	NO NO		19 18	
A	16R			P2-R* P4-R*					.22 .22	NO NO		19 18	
A	17	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	17A	8		SHLD A17 E3					.25 .25	NO NO			
A	17L			P2-V* P4-V*					.22 .22	NO NO		19 18	
A	17R			P2-W* P4-W*					.22 .22	NO NO		19 18	
A	18	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	18A	8		SHLD A18 E13					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR D	SHEET 12 OF 28	

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ▲C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	18L			P2-X* P4-X*					.22 .22	NO NO		19 18	
A	18R			P2-Y* P4-Y*					.22 .22	NO NO		19 18	
A	19	9				2.80 2.80	2.50 2.50				A,6B A,6A	21, 27 21, 27	
A	19A	8		A19X P2-M*					.25 .22	NO NO		 19	
A	19B	8		P4-M* A19X					.22 .25	NO NO		18	
A	19E			P2-N* P4-N*					.22 .22	NO NO		19 18	
A	20	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A	20L			P2-T P4-T					.22 .22	NO NO		19 18	
A	20R			P2-U P4-U					.22 .22	NO NO		19 18	
A	21	22		P2-HH P4-HH					.22 .22	NO NO		19 18	
A	22	22		E1 E4-B					.25 .25	NO NO			
A	23	22		E2 E4-B					.25 .25	NO NO			

SIZE A	CODE IDENT NO. 99974	2900671	
SCALE-NONE	REV LTR ▲C	SHEET 13 OF 28	

MIL 2084 9-65

CABLE ASSEMBLY▼ W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35A	8		SHLD A35 P1-G					.25 .22	NO NO		 19	
A 35B	8		~~E6~~ E14 SHLD A35					.25 .25	NO NO			
A 35L			P1-Y* P3-Y*					.22 .22	NO NO		19 18	
A 35R			P1-Z* P3-Z*					.22 .22	NO NO		19 18	
A 36	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 36A	8		SHLD A36 E7					.25 .25	NO NO			
A 36W			P1-K* P3-K*					.22 .22	NO NO		19 18	
A 37	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 37A	8		SHLD A37 E7					.25 .25	NO NO			
A 37W			P1-J* P3-J*					.22 .22	NO NO		19 18	
A 38	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 38A	8		SHLD A38 E7					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 18 OF 29

CABLE ASSEMBLY▼ W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38W			P1-I* P3-I*					.22 .22	NO NO		19 18	
A 39	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 39A	8		SHLD A39 E7					.25 .25	NO NO			
A 39W			P1-H* P3-H*					.22 .22	NO NO		19 18	
A 40	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A 40L			P1-G* P3-G*					.22 .22	NO NO		19 18	
A 40R			P1-M* P3-M*					.22 .22	NO NO		19 18	
A 41	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A 41L			P1-S* P3-S*					.22 .22	NO NO		19 18	
A 41R			P1-T* P3-T*					.22 .22	NO NO		19 18	
A 42	6				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A 42L			P1-Q* P3-Q*					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 19 OF 29

CABLE ASSEMBLY▼ W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42R			P1-R* P3-R*					.22 .22	NO NO		19 18	
A 43	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A 43L			P1-N* P3-N*					.22 .22	NO NO		19 18	
A 43R			P1-P* P3-P*					.22 .22	NO NO		19 18	
A 44	22		E7 P1-F*					.25 .22	NO NO		 19	
A 45	22		E5 E8-B					.25 .25	NO NO			
A 46	22		E6 E8-B					.25 .25	NO NO			
A 47	22		E8-BB P3-F*					.25 .22	NO NO		 18	
A 48	8		P1-W P3-W					.22 .22	YES YES		19 18	
A 49	8		P1-X P3-X					.22 .22	YES YES		19 18	
A 50	8		P1-Y P3-Y					.22 .22	YES YES		19 18	
A 51	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 20 OF 29

CABLE ASSEMBLY▼ W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51A	8		SHLD A51 E9					.25 .25	NO NO			
A 51L			P1-J P3-J					.22 .22	NO NO		19 18	
A 51R			P1-H P3-H					.22 .22	NO NO		19 18	
A 52	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 52A	8		SHLD A52 E9					.25 .25	NO NO			
A 52L			P1-M P3-M					.22 .22	NO NO		19 18	
A 52R			P1-K P3-K					.22 .22	NO NO		19 18	
A 53	25		P1-D* P3-D*					.22 .22	NO NO		24 23	
A 54	25		P1-E* P3-E*					.22 .22	NO NO		24 23	
A 55	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 55A	8		SHLD A55 E10					.25 .25	NO NO			
A 55L			P2-P P4-P					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR ★C	SHEET 21 OF 29

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 55R			P2-R P4-R					.22 .22	NO NO		19 18	
A 56	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 56A	8		SHLD A56 E10					.25 .25	NO NO			
A 56L			P2-K P4-K					.22 .22	NO NO		19 18	
A 56R			P2-J P4-J					.22 .22	NO NO		19 18	
A 57	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
→ A 57A	8		SHLD A57 E10					.25 .25	NO NO			←
A 57L			P2-M P4-M					.22 .22	NO NO		19 18	
A 57R			P2-N P4-N					.22 .22	NO NO		19 18	
A 58	22		E10 E4-B					.25 .25	NO NO			
A 59	22		E9 P1-F					.25 .22	NO NO		 19	
A 60	31				4.30 4.30	4.00 4.00				A,6A A,6B	21, 14 21, 14	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 22 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 60A	8		SHLD A60 E11					.25 .25	NO NO			
A 60B	8		P5-3 SHLD A60					.15 .25	NO NO		30	
A 60L			P3-NN P5-2					.22 .15	NO NO		18 30	
A 60R			P3-PP P5-1					.22 .15	NO NO		18 30	
A 61	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 61A	8		SHLD A61 E11					.25 .25	NO NO			
→ A 61B	8		P5-6 SHLD A61					.15 .25	NO NO		30	←
A 61L			P3-LL P5-5					.22 .15	NO NO		18 30	
A 61R			P3-MM P5-4					.22 .15	NO NO		18 30	
A 62	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 62A	8		SHLD A62 E11					.25 .25	NO NO			
A 62B	8		P5-9 SHLD A62					.15 .25	NO NO		30	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 23 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 62L			P3-JJ P5-8					.22 .15	NO NO		18 30	
A 62R			P3-KK P5-7					.22 .15	NO NO		18 30	
A 63	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 63A	8		SHLD A63 E11					.25 .25	NO NO			
A 63B	8		P5-21 SHLD A63					.15 .25	NO NO		30	
A 63L			P3-W* P5-20					.22 .15	NO NO		18 30	
→ A 63R			P3-X* P5-19					.22 .15	NO NO		18 30	←
A 64	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 64A	8		SHLD A64 E12-B					.25 .25	NO NO			
A 64B	8		P5-24 SHLD A64					.15 .25	NO NO		30	
A 64L			P3-U* P5-23					.22 .15	NO NO		18 30	
A 64R			P3-V* P5-22					.22 .15	NO NO		18 30	

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 24 OF 28

MIL 2084 9-65

CABLE ASSEMBLY W166 2900671 ★C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	31				2.30 2.30	2.00 2.00				A,6A A,6B	21, 14 21, 14	
A 65A	8		SHLD A65 E12-B					.25 .25	NO NO			
A 65B	8		P5-12 SHLD A65					.15 .25	NO NO		30	
A 65L			P3-CC P5-11					.22 .15	NO NO		 30	
A 65R			P3-DD P5-10					.22 .15	NO NO		 30	
A 66	31				2.80 2.80	2.50 2.50				A,6A A,6B	21, 14 21, 14	
→ A 66A	8		SHLD A66 E12-B					.25 .25	NO NO			←
A 66B	8		P5-15 SHLD A66					.15 .25	NO NO		30	
A 66L			P3-AA P5-14					.22 .15	NO NO		18 30	
A 66R			P3-BB P5-13					.22 .15	NO NO		18 30	
A 67	31				2.80 2.80	2.50 2.50				A,6A A,6B	21, 14 21, 14	
A 67A	8		SHLD A67 E12-B					.25 .25	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900671

SCALE-NONE | REV LTR ★C | SHEET 25 OF 28

MIL 2084 9-65

CABLE ASSEMBLY 166 2900671 D

LEAD IDENT	WIRE. MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 67B	8		P5-18 SHLD A67					.15 .25	NO NO		30	
A 67L			P3-Y* P5-17					.22 .15	NO NU		18 30	
A 67R			P3-Z* P5-16					.22 .15	NO NO		18 30	
A 68	22		E11 E12-B					.25 .25	NO NO			
A 69	22		P3-F* E12-BB					.22 .25	NO NO		18	
A 70	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 70A	8		SHLD A70 E13									
A 70L			P2-F P4-F					.22 .22	NU NU		19 18	
A 70R			P2-E P4-E					.22 .22	NO NO		19 18	
A 71	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 71A	8		SHLD A71 E13									
A 71L			P2-H P4-H					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2900671
SCALE-NONE	REV LTR D	SHEET 26 OF 28

MIL 2084 9-65

WIRING HARNESS 2900671 [redacted] C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 72			E13 E4-B					.25 .38	NO NO			
A 73			E14 E8-B					.25 .38	NO NO			

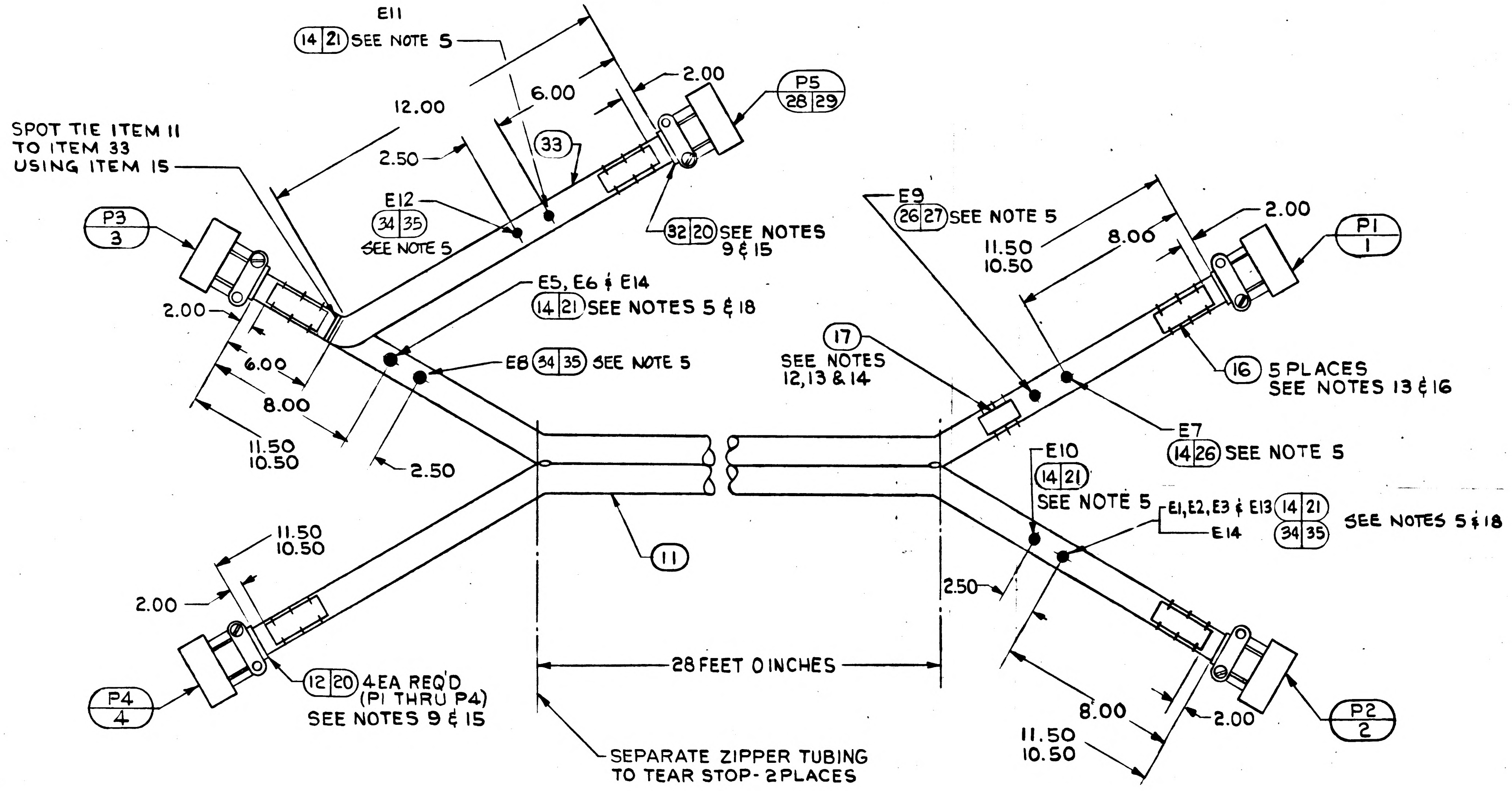
SIZE	CODE IDENT NO.	
A	~~00230~~	[redacted] 2900671
SCALE-NONE	REV LTR C	SHEET 27 OF 28

MIL 2084 9-65

PLUG NO.	MARKING
P1	W166-P1(J24-GDB)
P2	W166-P2(J28-GDB)
P3	W166-P3(J3-TP2)
P4	W166-P4(J4-TP2)
P5	W166-P5(W155-P4)

REVISIONS 24701

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



E11
14 21 SEE NOTE 5
12.00
6.00
2.00
P5 28 29
SPOT TIE ITEM 11 TO ITEM 33 USING ITEM 15
2.50
33
E12
34 35 SEE NOTE 5
32 20 SEE NOTES 9 & 15
P3 3
2.00
E5, E6 & E14
14 21 SEE NOTES 5 & 18
6.00
E8 34 35 SEE NOTE 5
8.00
11.50
10.50
2.50
E9
26 27 SEE NOTE 5
11.50
10.50
8.06
2.00
P1 1
17
SEE NOTES 12,13 & 14
16 5 PLACES SEE NOTES 13 & 16
E7
14 26 SEE NOTE 5
E10
14 21
SEE NOTE 5
E1, E2, E3 & E13 14 21
E14 34 35
SEE NOTES 5 & 18
11.50
10.50
2.00
11
2.50
12 20 4 EA REQ'D (P1 THRU P4) SEE NOTES 9 & 15
P4 4
28 FEET 0 INCHES
8.00
2.00
P2 2
11.50
10.50
SEPARATE ZIPPER TUBING TO TEAR STOP- 2 PLACES

2900712-011	2900008-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Janowiak DATE 23 AUG 65
CHECKED D.K. Fox 25 AUG 65
APPROVAL 25 AUG
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED, W166

CODE IDENT NO. 99974
SIZE D
2900671
SCALE NONE
SHEET 28 OF 28

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REPLACES REV. + WITH CHANGE PER MXC 206470	3 NOV. 65	JWP
		B	REVISED PER MXC 207451	10 DEC 65	RCP MEM
		C	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	EM

Charleston
28 OCT 65

	REV																	
	SHEET																	
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN C. M. Kulp DATE 23 AUG 65
CHECKED M. Manning 28 OCT 65
APPROVAL C. W. Wise 28 OCT 65
APPROVAL J. M. Watson 12-20-65

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL
W167

NASA APPROVAL A. Nitz
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900672	C

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLE PER ND10C2032
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND1002019
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
9	SECURE TO CABLE USING ITEM 25 MARKING TO READ AWAY FROM CONNECTOR. ALIGN CENTER LINES OF BAND AND CONNECTOR MASTER KEY SLOT WITHIN + OR - 0.25 INCH.
10	SERIALIZE PER ND1002023
11	FILL THE SPACE BETWEEN WIRE BUNDLE USING ITEM 27 TO SECURE WIRE BUNDLE IN STRAIN RELIEF CLAMP.
12	MARK IDENTIFICATION BANDS AS NOTED, .12 INCH HIGH, COLOR BLACK PER ND1002019 CENTRALIZE
13	LOCATE IDENTIFICATION SLEEVES ADJACENT TO SOLDER SLEEVES

SIZE A
CODE IDENT NO.
2900672
SCALE-NONE
REV LTR ~~B~~ C
SHEET 2 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	IN CIRCUIT POINT FIELD I - INDICATES INNER LEAD O - INDICATES OUTER LEAD
15	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE X - LEAD SHIELD, COAX OUTER SHIELD G - GRAY

SIZE A
CODE IDENT NO.
2900672
SCALE-NONE
REV LTR ~~B~~ C
SHEET 3 OF 17

NOTE NUMBER

GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A
CODE IDENT NO.
2900672
SCALE-NONE
REV LTR ~~B~~ C
SHEET 4 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900672-001	WIRE,ND1002181,TYPE1,CLASS4,WHT.JKT.,24AWG,WHT. 24FT. TOTAL LENGTH
	2	1	2900672-002	WIRE,ND1002181,TYPE2,CLASS4,WHT.JKT.,24AWG, WHT/BLU, WHT/RED, 30 FT. TOTAL LENGTH
	3	1	2900672-003	WIRE,ND1002181,TYPE1,CLASS1,24AWG,WHT., 24FT. TOTAL LENGTH.
	4	1	2900672-004	WIRE,ND1002181,TYPE1,CLASS1,22AWG,WHT., 10FT. TOTAL LENGTH.
	5	1	2900672-005	WIRE,ND1002181,TYPE1,CLASS1,20AWG,WHT., 3FT. TOTAL LENGTH
7	6	1	1897215-011	CONNECTOR,PLUG ELEC.
7	7	1	1897250-006	CONNECTOR,PLUG ELEC
7	8		1897190- 1	PIN CONTACT (FURNISHED WITH ITEM 7)
~~7~~	~~9~~	~~2~~	~~1010958~~	~~SEALING PLUG~~
7	10	28	1016369-588	HYRING
7	11	28	1016369-188	CONTACT INNER MALE
7	12	28	1016369-488	CONTACT OUTER FEMALE
7	13	27	1016369-711	INNER SUPPORTING SLEEVE
7	14	27	1016369-713	OUTER SUPPORTING SLEEVE
7	15	3	1016369-421	CONTACT, FEMALE
7	16	3	1010763- 1	SOLDER SLEEVE

SIZE A
CODE IDENT NO.
2900672
SCALE-NONE
REV LTR ~~B~~ C
SHEET 5 OF 17

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	17	16	1010763- 2	SOLDER SLEEVE
7	18	17	1010490-232	INSULATION SLEEVING
7	19	39	1010490-228	INSULATION SLEEVING
7	20	2	1016006-002	SPLICE REDUCER
7	21	4	1016006-001	SPLICE REDUCER
7	22	2	1010490-258	INSULATION SLEEVING ELEC.
7	23	1	1016128-011	BAND,IDENTIFICATION
7	24	2	1016128-041	BAND,IDENTIFICATION
	25	AR	MIL-T-713	LACING TAPE,TYPE P,CLASS2,BLACK(ES2732 NO.18)
	26	1	2900672-007	ZIPPER TUBING PER ND1002155,TYPE1,(CHANNEL,GREY 1.00 INCH DIA., 20 INCHES TOTAL LENGTH
7	27	AR	1901390	FILLER TAPE
7	28	1	1897330-001	CLAMP,CABLE
7	29	1	1897331-001	ADAPTER,CABLE CLAMP
7	30	1	2900672-008	WIRE, COAXIAL, MIL-C-17/69A, RG-188AU 24 INCHES TOTAL LENGTH
7	31	1	1010933-104	CLAMP, CABLE
7	32	1	1016282- 16	GROMMET

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR C	SHEET 6 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.30 2.30	2.00 2.00				A,6A B,7	 18	
A	1A	4	E7 E1	2 10				.25 .25	NO NO			
A	1W		P1-1/I P2-13	1 13				.22 .15	NO NO		11, 10 8	
A	1X		E7 SHLD A1	2								
A	2	1			2.30 2.30	2.00 2.00				A,6A B,7	 18	
A	2W		P1/1/O P2-12	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A	2X		E7 SHLD A2	2								
A	3	1			2.30 2.30	2.00 2.00				A,6A B,7	16, 18 18	
A	3A	4	SHLD A3 E1	 10				.25 .25	NO NO			
A	3W		P1-2/I P2-14	1 13				.22 .15	NO NO		11, 10 8	
A	4	3	P1-2/O P2-27	1 13				.23 .15	NO NO		12, 13, 14 8	
A	5	1			2.30 2.30	2.00 2.00				A,6A B,7	 18	

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR C 8	SHEET 7 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5A	4	E8 E1	3 10				.25 .25	NO NO			
A	5W		P1-3/I P2-5	1 13				.22 .15	NO NO		11, 10 8	
A	5X		E8 SHLD A5	3								
A	6	1			2.30 2.30	2.00 2.00				A,6A B,7	 18	
A	6W		P1-3/O P2-15	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A	6X		E8 SHLD A6	3								
A	7	2			2.80 2.80	2.50 2.50				B,7 B,7	19 19	
A	7L		P1-4/O P2-16	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A	7R		P1-4/I P2-33	1 13				.22 .15	NO NO		11, 10 8	
A	8	3	P1-5/I P2-52	1 13				.22 .15	NO NO		11, 10 8	
A	9	3	P1-5/O P2-53	1 13				.23 .15	NO NO		12, 13, 14 8	
A	10	3	P1-6/I P2-31	1 13				.22 .15	NO NO		11, 10 8	

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR C	SHEET 8 OF 17

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	11	3	P1-6/O P2-39	1 13				.23 .15	NO NO		12, 13, 14 8	
A	12	3	P1-7/I P2-41	1 13				.22 .15	NO NO		11, 10 8	
A	13	3	P1-7/O P2-42	1 13				.23 .15	NO NO		12, 13, 14 8	
A	14	3	P1-8/I P2-9	1 13				.22 .15	NO NO		11, 10 8	
A	15	3	P1-8/O P2-22	1 13				.23 .15	NO NO		12, 13, 14 8	
A	16	2			2.80 2.80	2.50 2.50				A,6A B,7	17, 19 19	
A	16A	4	SHLD A16 E1	 10				.25 .25	NO NO			
A	16L		P1-54/O P2-50	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A	16R		P1-54/I P2-49	1 13				.22 .15	NO NO		11, 10 8	
A	17	2			2.80 2.80	2.50 2.50				A,6A B,7	17, 19 19	
A	17A	4	SHLD A17 E1	 10				.25 .25	NO NO			
A	17L		P1-55/O P2-29	1 13			.21	.23 .15	NO NO		12, 13, 14 8	

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR C	SHEET 9 OF 17

CABLE ASSEMBLY W167 2900672 C ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17R			P1-55/I P2-51	1 13				.22 .15	NO NO		11, 10 8	
A 18	1				2.80 2.80	2.50 2.50				A,6A B,7	16, 18 18	
A 18A	4		SHLD A18 E1	10				.25 .25	NO NO			
A 18W			P1-9/I P2-3	1 13				.22 .15	NO NO		11, 10 8	
A 19	3		P1-9/0 P2-26	1 13				.23 .15	NO NO		12, 13, 14 8	
A 20	1				2.80 2.80	2.50 2.50				A,6A B,7	18	
A 20A	4		E9 E1	4 10				.25 .25	NO NO			
A 20W			P1-10/I P2-1	1 13				.22 .15	NO NO		11, 10 8	
A 20X			E9 SHLD A20	4								
A 21	1				2.80 2.80	2.50 2.50				A,6A B,7	18	
A 21W			P1-10/0 P2-4	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A 21X			E9 SHLD A21	4								

SIZE	CODE IDENT NO.			
A		2900672		
SCALE-NONE	REV LTR	C ~~B~~	SHEET	10 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 22	1				3.30 3.30	3.00 3.00				A,6A B,7	18	
A 22A	4		E10 E4	5 7				.25 .25	NO NO			
A 22W			P1-12/I P2-17	1 13				.22 .15	NO NO		11, 10 8	
A 22X			E10 SHLD A22	5								
A 23	1				3.30 3.30	3.00 3.00				A,6A B,7	18	
A 23W			P1-12/0 P2-35	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A 23X			E10 SHLD A23	5								
A 24	2				3.30 3.30	3.00 3.00				A,6A B,7	17, 19 19	
A 24A	4		SHLD 24 E4	7				.25 .25	NO NO			
A 24L			P1-14/0 E12	1 14			.21	.23 .25	NO NO		12, 13, 14	
A 24R			P1-14/I P2-34	1 13				.22 .15	NO NO		11, 10 8	
A 25	5		E4 P1-13	7 1				.25 .18	NO NO		15	

SIZE	CODE IDENT NO.			
A		2900672		
SCALE-NONE	REV LTR	~~B~~ C	SHEET	11 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 C ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 26	2				3.30 3.30	3.00 3.00				A,6A B,7	17, 19 19	
A 26A	4		SHLD 26 E3	12				.25 .25	NO NO			
A 26L			P1-16/0 E12	1 14			.21	.23 .25	NO NO		12, 13, 14	
A 26R			P1-16/I P2-7	1 13				.22 .15	NO NO		11, 10 8	
A 27	1				3.30 3.30	3.00 3.00				A,6A B,7	18	
A 27A	4		E11 E3	6 12				.25 .25	NO NO			
A 27W			P1-15/I P2-18	1 13				.22 .15	NO NO		11, 10 8	
A 27X			E11 SHLD A27	6								
A 28	1				3.30 3.30	3.00 3.00				A,6A B,7	18	
A 28W			P1-15/0 P2-6	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A 28X			E11 SHLD A28	6								
A 29	2				3.80 3.80	3.50 3.50				A,6A B,7	17, 19 19	

SIZE	CODE IDENT NO.			
A		2900672		
SCALE-NONE	REV LTR	~~B~~ C	SHEET	12 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 C ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29A	4		SHLD A29 E6	9				.25 .25	NO NO			
A 29L			P1-34/0 P2-24	1 13			.21	.23 .15	NO NO		11, 10 8	
A 29R			P1-34/I P2-44	1 13				.22 .15	NO NO		12, 13, 14 8	
A 30	2				3.80 3.80	3.50 3.50				A,6A B,7	17, 19 19	
A 30A	4		SHLD A30 E6	9				.25 .25	NO NO			
A 30L			P1-35/0 P2-10	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A 30R			P1-35/I P2-11	1 13				.22 .15	NO NO		11, 10 8	
A 31	2				3.80 3.80	3.50 3.50				A,6A B,7	17, 19 19	
A 31A	4		SHLD A31 E6	9				.25 .25	NO NO			
A 31L			P1-36/0 P2-43	1 13			.21	.23 .15	NO NO		12, 13, 14 8	
A 31R			P1-36/I P2-23	1 13				.22 .15	NO NO		11, 10 8	
A 32	5		E6 P1-42	9 1				.25 .18	NO NO		15	

SIZE	CODE IDENT NO.			
A		2900672		
SCALE-NONE	REV LTR	~~B~~ C	SHEET	13 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 ~~B~~ C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	2				3.80	3.50				A,6A	17, 19	
					3.80	3.50				B,7	19	
A 33A	4		SHLD A33					.25	NO			
			E2	11				.25	NO			
A 33L			P1-28/O	1			.21	.23	NO		12, 13, 14	
			P2-20	13				.15	NO		8	
A 33R			P1-28/I	1				.22	NO		11, 10	
			P2-38	13				.15	NO		8	
A 34	2				3.80	3.50				A,6A	17, 19	
					3.80	3.50				B,7	19	
A 34A	4		SHLD A34					.25	NO			
			E2	11				.25	NO			
A 34L			P1-29/O	1			.21	.23	NO		12, 13, 14	
			P2-37	13				.15	NO		8	
A 34R			P1-29/I	1				.22	NO		11, 10	
			P2-19	13				.15	NO		8	
A 35	2				4.30	4.00				A,6A	17, 19	
					4.30	4.00				B,7	19	
A 35A	4		SHLD A35					.25	NO			
			E2	11				.25	NO			
A 35L			P1-30/O	1			.21	.23	NO		12, 13, 14	
			P2-61	13				.15	NO		8	
A 35R			P1-30/I	1				.22	NO		11, 10	
			P2-60	13				.15	NO		8	

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR ~~B~~ C	SHEET 14 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 C ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 36	5		E1	10				.25	NO			
			E5	8				.25	NO			
A 37	5		E2	11				.25	NO			
			E5	8				.25	NO			
A 38	5		E3	12				.25	NO			
			E5	8				.25	NO			
A 39	5		E5	8				.25	NO			
			P1-44	1				.18	NO		15	
A 40	3		P1-41/I	1				.22	NO		11, 10	
			P2-40	13				.15	NO		8	
A 41	3		P1-41/O	1				.23	NO		12, 13, 14	
			P2-21	13				.15	NO		8	
A 42	2				4.30	4.00				B,7	19	
					4.30	4.00				B,7	19	
A 42L			P1-45/O	1			.21	.23	NO		12, 13, 14	
			P2-2	13				.15	NO		8	
A 42R			P1-45/I	1				.22	NO		11, 10	
			P2-8	13				.15	NO		8	
A 43	2				4.30	4.00				B,7	19	
					4.30	4.00				B,7	19	
A 43L			P1-46/O	1			.21	.23	NO		12, 13, 14	
			P2-55	13				.15	NO		8	
A 43R			P1-46/I	1				.22	NO		11, 10	
			P2-56	13				.15	NO		8	

SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR ~~B~~ C	SHEET 15 OF 17

MIL 2084 9-65

CABLE ASSEMBLY W167 2900672 C ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44	4		E12	14				.25	NO			
			P2-36	13				.15	NO		8	
A 45	30				.44	.18				B,10	10, 18	
					4.80	4.50				A,6B	17, 18	
A 45B	4		P2-46	13				.15	NO		8	
			A45X					.25	NO			
A 45E			P1-43/I	1				.18	NO		11	
			P2-45	13				.15	NO		8	
A 45X			P1-43/O	1							12	
			A45B									
A 46	2				4.80	4.50				B,7	19	
					4.80	4.50				B,7	19	
A 46L			P1-27/O	1			.21	.23	NO		12, 13, 14	
			P2-48	13				.15	NO		8	
A 46R			P1-27/I	1				.22	NO		11, 10	
			P2-47	13				.15	NO		8	
A 47	2				4.80	4.50				B,7	19	
					4.80	4.50				B,7	19	
A 47L			P1-31/O	1			.21	.23	NO		12, 13, 14	
			P2-32	13				.15	NO		8	
A 47R			P1-31/I	1				.22	NO		11, 10	
			P2-54	13				.15	NO		8	

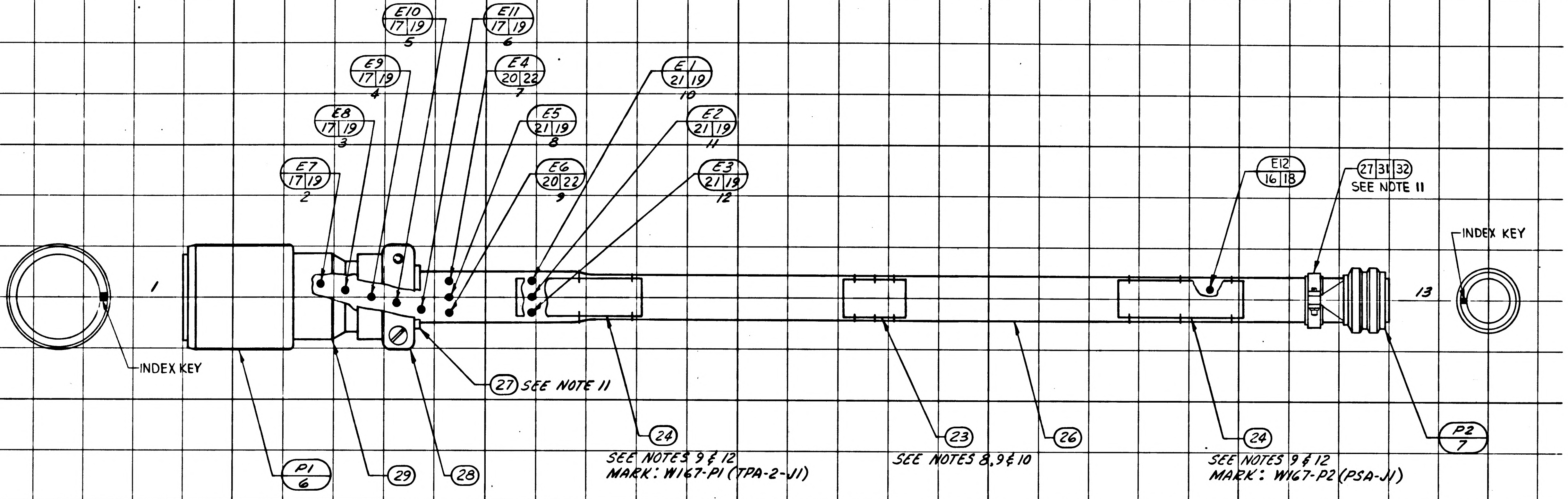
SIZE	CODE IDENT NO.	
A		2900672
SCALE-NONE	REV LTR ~~B~~ C	SHEET 16 OF 17

MIL 2084 9-65

2900672 REV LTR C

REVISIONS TDRR 24761				
SYM	ZONE	DESCRIPTION CHG NO.	DATE	APPD.

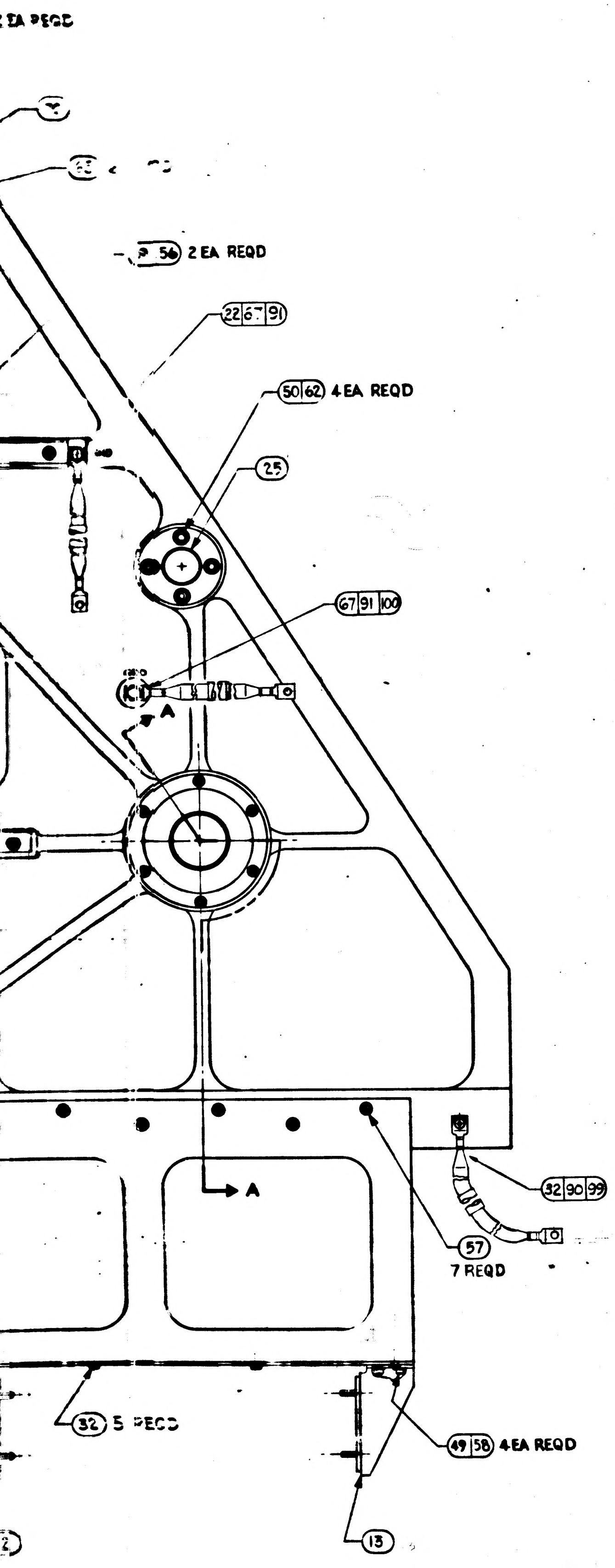
SEE SHEET 1 FOR REVISION RECORD

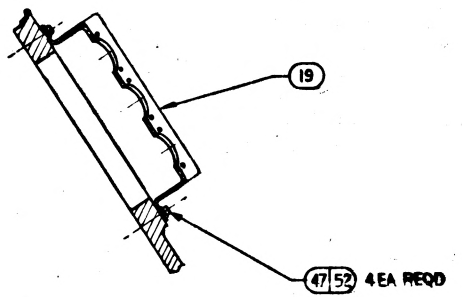


E10 17 19 5
E11 17 19 6
E9 17 19 4
E4 20 22 7
E1 21 19 10
E8 17 19 3
E5 21 19 8
E2 21 19 11
E7 17 19 2
E6 20 22 9
E3 21 19 12
E12 16 18
27 31 32 SEE NOTE 11
INDEX KEY
1
13
INDEX KEY
27 SEE NOTE 11
24 SEE NOTES 9 & 12 MARK: W167-P1 (TPA-2-J1)
23 SEE NOTES 8, 9 & 10
26
24 SEE NOTES 9 & 12 MARK: W167-P2 (PSA-J1)
P2 7
P1 6
29
28

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN G. M. Kulp DATE 23AUG65 CHECKED 28OCT65 APPROVAL 28OCT65 APPROVAL J. M. Watson 12-20-65	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL W167
DO NOT SCALE THIS DRAWING		
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 | SIZE D | 2900672
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL | SHEET 17 OF 17

MX 109894





PARTIAL SECTION B-B

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				ON				
				8		113	AN960C516	(1897006-052) WASHER, FLAT
				8		112	MS16996-31	SCREW, CAP
				6		111	MS16995-52	SCREW, CAP
				4		110	MS21919 D62	(1897073-102) CLAMP, LOOP
				AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
				1		108	NAS 1057T3-050	(1896919-001) SPACER
				1		107	NAS 1057T3-100	(1896919-002) SPACER
				1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
				1		105	2900666	WIRE HARNESS E
				1		104	2900925	D
				1		103	2900924	C
				1		102	2900915	B
				1		101	2900753	WIRE HARNESS A
				1		100	2901141	LEAD, ELECTRICAL
				1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2				3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
				2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2				[illegible]		96	1000159-6	PACKING PREFORMED, "O" RING
SEE NOTE 2				3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
				1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2				1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2				1		92	1897193-001	STRAP, RETAINING
				2		91	MS35333-74	WASHER, LOCK
				5		90	MS35333-73	WASHER, LOCK
				2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2				2		88	1008807-001	CLAMP, LOOP CUSHIONED
				12		87	MS16995-53	SCREW, CAP
				~~1~~		86	~~2900934~~	~~[illegible]~~
				1		85	2900935	BRACKET, MTG. ELEC. CONN. (INSEP ASSY)
				1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
				1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
				3		82	2900938	WHEEL, CABLE GUIDE
				8		81	MS16624-4075	RING, RETAINING
				8		80	[illegible]	(1897006-[illegible]) WASHER, FLAT
				1		79	2900939	SHAFT, CABLE GUIDE
				2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
				3		77	2900941	SCREW, CAP SOCKET HD
				1		76	2900942	CLAMP, CABLE, LOWER HALF
				1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
				2		74	MS21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2				4		73	1010400-11	CLAMP, LOOP HINGED
SEE NOTE 2				6		72	1010400-2	CLAMP, LOOP, HINGED
						71		
SEE NOTE 2				2		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2				12		69	1010400-1	CLAMP, LOOP, HINGED
				1		68	2900919	BRACKET, ELEC. CONNECTOR (INSEP ASSY)
SEE NOTE 2				2		67	1006783-56	SCREW, BUTTON HD
				2		66	1006783-22	
				67		65	1006783-26	
SEE NOTE 2				4		64	1006783-27	SCREW, BUTTON HD
						63		
				8		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
				6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
						60		
				37		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
				38		58	-12	
				14		57	-11	
				29		56	MS16996-10	
				12		55	MS16995-28	
				~~4~~		54	~~MS16996-27~~	~~SCREW CAP HEX SOCKET HD~~
						53		
				22		52	MS16995-25	SCREW CAP HEX SOCKET HD.
SEE NOTE 2				56		51	1012525-002	NUT-HEX, LIGHT, THIN
				25		50	AN960C416	(1897006-[illegible]) WASHER, FLAT
				45		49	AN960C10	(1897006-017) WASHER, FLAT
				4		48	MS16555-648	PIN, STRAIGHT
				22		47	AN960C8	(1897006-028) WASHER, FLAT

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				2		46	MS172246	NUT, SPANNER
				1		45	1900635	GEAR, OUTPUT
				1		44	1900634	CAP, BEARING
				1		43	1900633	CAP, BEARING
				1		42	1900627	RETAINER, BEARING
				1		41	1900626	RETAINER, BEARING
				2		40	1900625	CARTRIDGE, BEARING
				2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2				2		38	1016093-001	PIN, STEP DOWEL
				2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
				8		36	1015826-403	SCREW, FLAT HD.
				13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2				6		34	1010630-28	SCREW, FLAT HD.
				24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2				14		32	1006783-44	SCREW, BUTTON HD.
				8		31	MS35308-322	SCREW, CAP, HEX HD.
SEE NOTE 2				60		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2				2		29	1006674-5	BOLT, EYE
				1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
				20		27	2900721	SPACER SLEEVE
				1		26	2900684-011	COLDPLATE, PEA
				2		25	2900651	SHAFT, SHOULDERED
				2		24	MS172211	WASHER, KEY, BEARING RETAINER
				1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
				1		22	2901139	LEAD, ELECTRICAL
				2		21	2900647	TRACK, SLIDING
SEE NOTE 2				4		20	1010400-6	CLAMP, LOOP, HINGED
				1		19	2900902	BRACKET, ELEC. CONNECTOR
				1		18	2900633	BRACKET, SUPPORT, MIDDLE (INSEP ASSY)
SEE NOTE 2				2		17	1010400-4	CLAMP, LOOP, HINGED
				1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
				1		15	2900893	PLATE, MOUNTING, R.H. (INSEP ASSY)
				1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
				1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
				1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
				1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
				18		10	MS35338-82	WASHER, LOCK
				1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
				1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
				1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
				1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
				1		5	2900629	CRADLE, GEN FIXTURE, MATCHED
				1		4	2900612-011	COLDPLATE CGC/LGC
				1		3	2900611-011	COLDPLATE CDU
				1		2	2900499	SPACER, PEA
				14		1	2900430-002	SCREW, CAP, SOCKET HD

LIST OF PARTS AND MATERIALS

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised Per D.O. 6251		5 JAN 66	E F
B		Revised Per MMC 208364		21 JAN 66	J.N.P. JAC
C		REVISED PER MMC 208955		10 FEB 66	BP
D		INITIAL RELEASE CLASS B PER TDRR 26766		11 FEB 66	JJJ

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN G. K. Blahan 15 OCT 65 DATE
CHECKED C. Wilson 15 OCT 65
APPROVAL R.C. [illegible]
APPROVAL L. Johnson
NASA APPROVAL A. C. METRICKS
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
B AND N FIXTURE BLOCK II

CODE IDENT NO. 99974
SIZE J
2900673
SCALE 1/2
SHEET OF 1

2900673 D

2900673 REV LTR C SH 1

MASTER

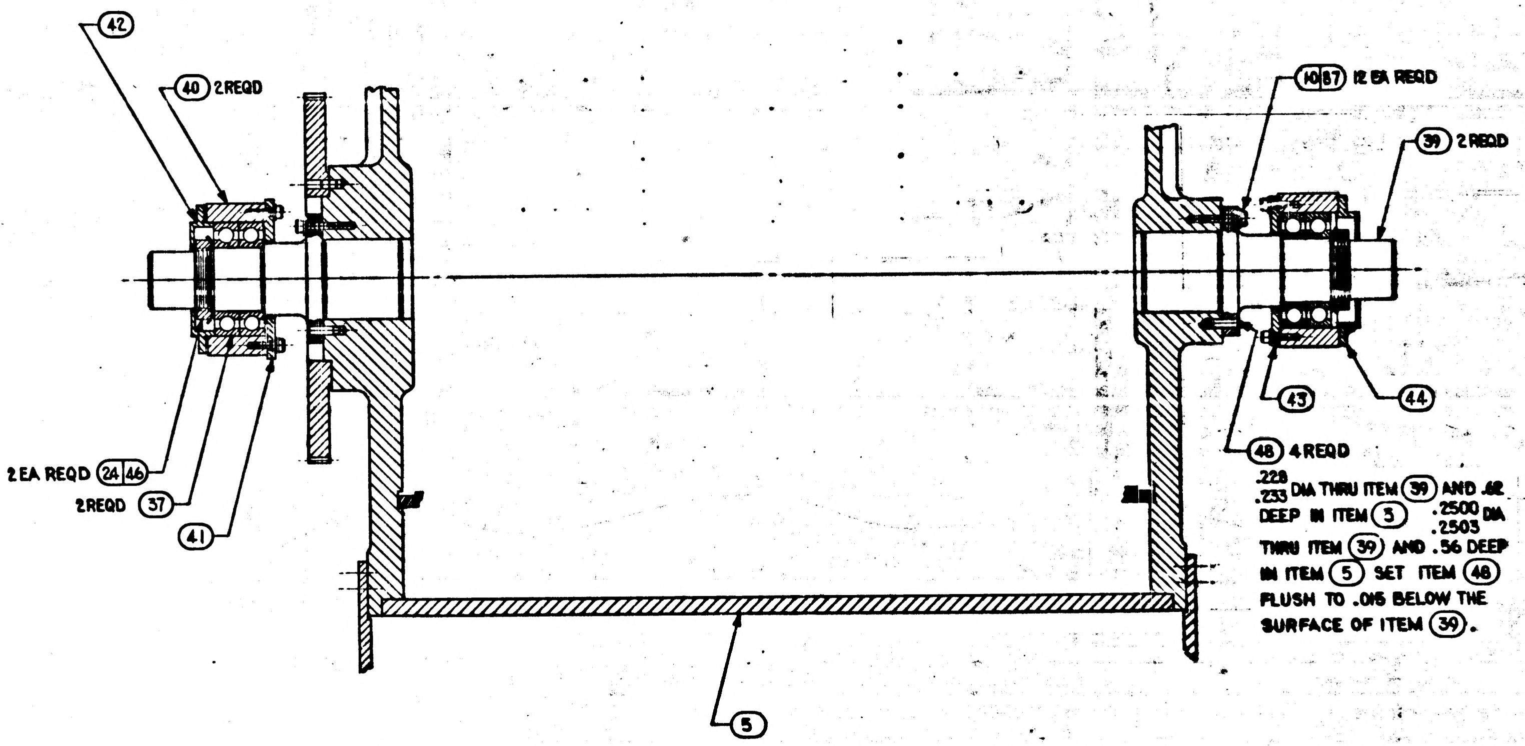
2H

NOTES:

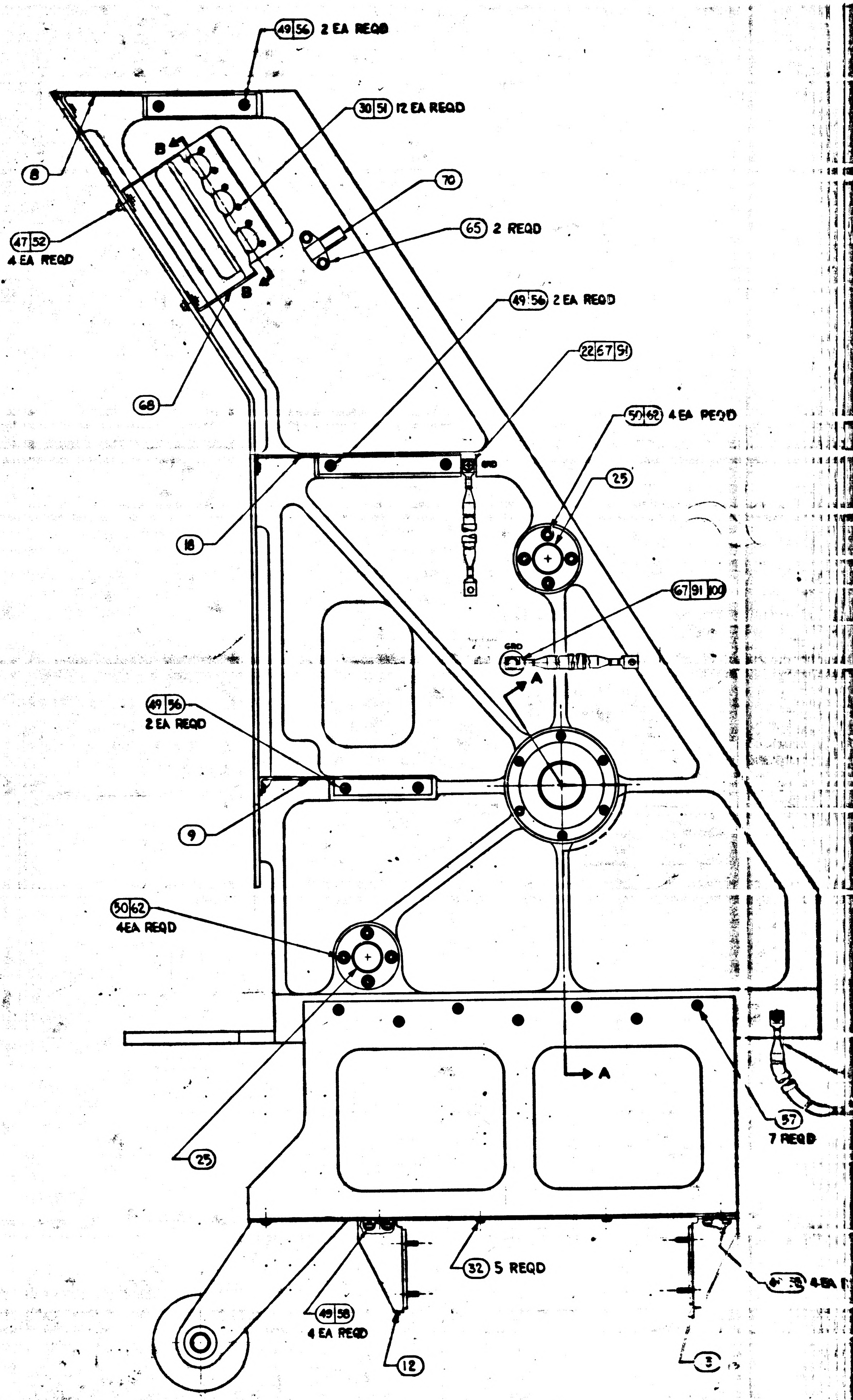
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM- SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   - A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   - B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.

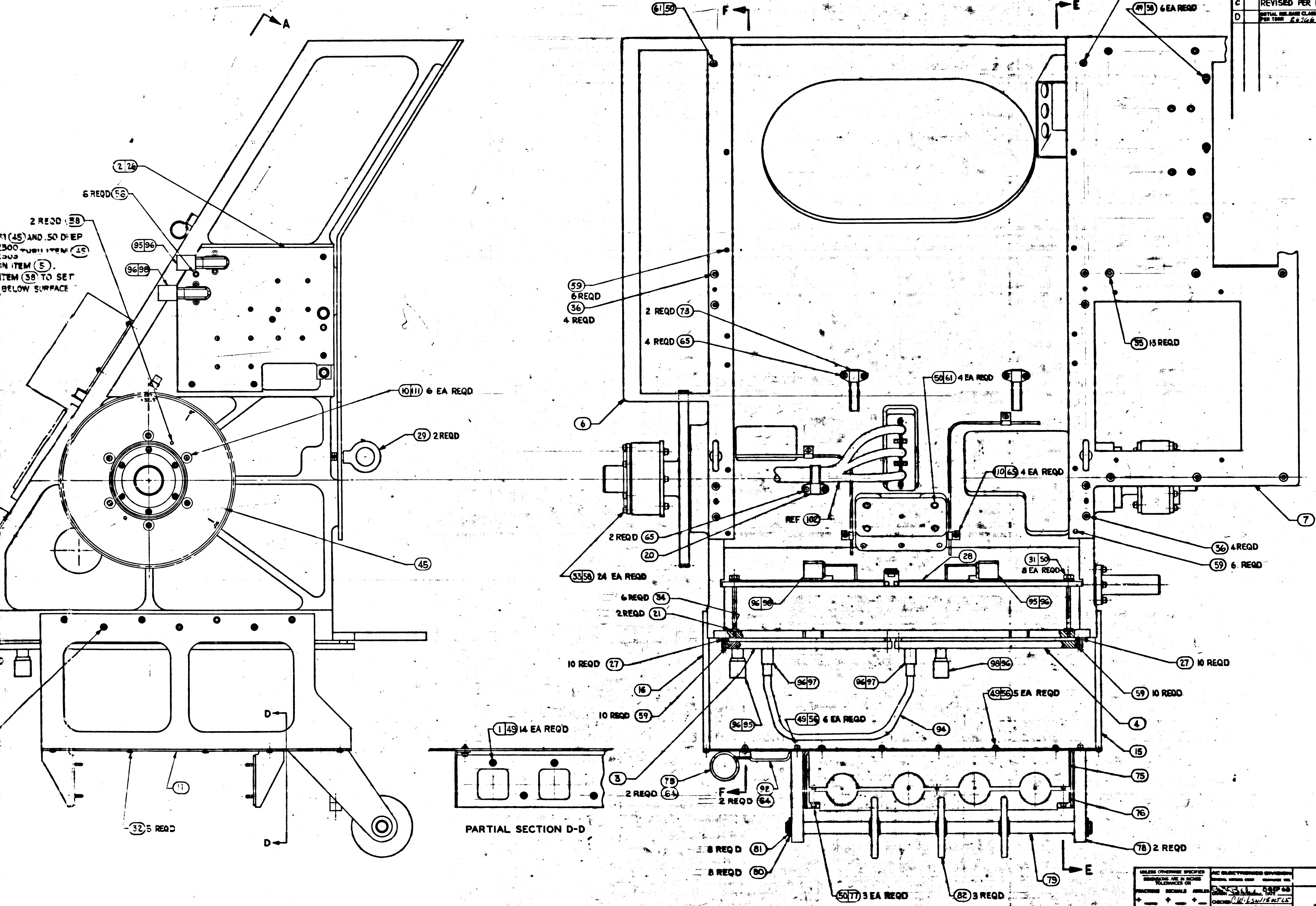

42
40 2 REQD
2 EA REQD 24 46
2 REQD 37
41
10 87 12 EA REQD
39 2 REQD
43
44
48 4 REQD
.228
.233 DIA THRU ITEM 39 AND .62 DEEP IN ITEM 5 .2500
.2503 DIA THRU ITEM 39 AND .56 DEEP IN ITEM 5 SET ITEM 48 FLUSH TO .015 BELOW THE SURFACE OF ITEM 39.
5

PARTIAL SECTION A-A


49 56 2 EA REQD
30 51 12 EA REQD
B
8
70
65 2 REQD
47 52
4 EA REQD
B
49 56 2 EA REQD
22 67 51
68
50 62 4 EA REQD
GRD
25
18
67 91 100
GRD
A
49 56
2 EA REQD
9
50 62
4EA REQD
A
57
7 REQD
25
32 5 REQD
49 58
4 EA REQD
12
3

2900673 REV LTR C SH 1

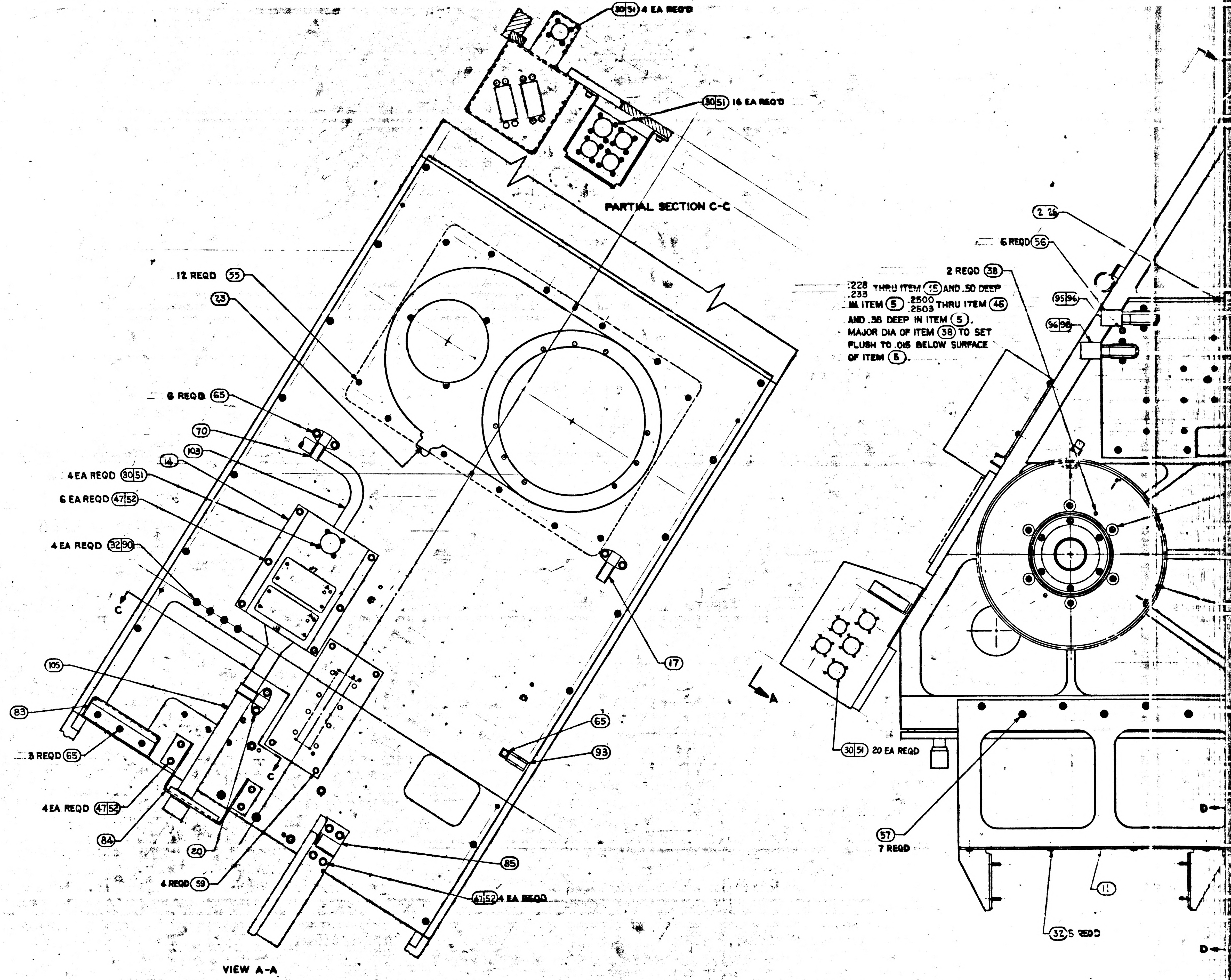
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised per D.R. 61257		2 Jan 65	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. JRC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR 26366		11 FEB 66	



A
2 26
6 REQD 56
2 REQD 38
45 AND .50 DEEP
.2300 THRU ITEM 45
IN ITEM 5.
ITEM 38 TO SET
BELOW SURFACE
95 96
96 98
10 11 6 EA REQD
29 2 REQD
45
11
32 5 REQD
D
D
1 49 14 EA REQD
PARTIAL SECTION D-D
61 50
F
E
61 50
49 58 6 EA REQD
59 6 REQD
36 4 REQD
2 REQD 73
4 REQD 65
50 61 4 EA REQD
6
10 65 4 EA REQD
55 15 REQD
7
REF 102
2 REQD 65
20
33 58 24 EA REQD
6 REQD 34
2 REQD 21
28
31 50 8 EA REQD
96 98
95 96
36 4 REQD
59 6 REQD
10 REQD 27
16
10 REQD 59
27 10 REQD
59 10 REQD
4
96 97
96 97
98 96
49 56 5 EA REQD
49 56 6 EA REQD
96 95
94
15
3
79
2 REQD 64
F
92
2 REQD 64
75
76
78 2 REQD
8 REQD 81
8 REQD 80
50 77 3 EA REQD
82 3 REQD
79
E

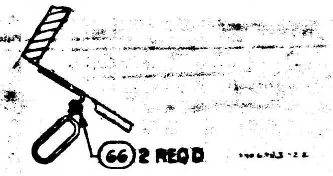
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± — ANGLES ± —	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
	DRAWN Baker DATE 5 SEP 65 CHECKED C.Wilson 15 OCT 65 APPROVAL R.C. Hottenbach APPROVAL L. Gehrman 3/1/66	CRADLE ASSEMBLY, G AND N FIXTURE BLOCK II	
DO NOT SCALE THIS DRAWING			
MATERIAL	NASA APPROVAL A.C. METZGER	CODE IDENT NO. 99974	SIZE J	2900673
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2	SHEET 2 OF 3

2900673 D 2

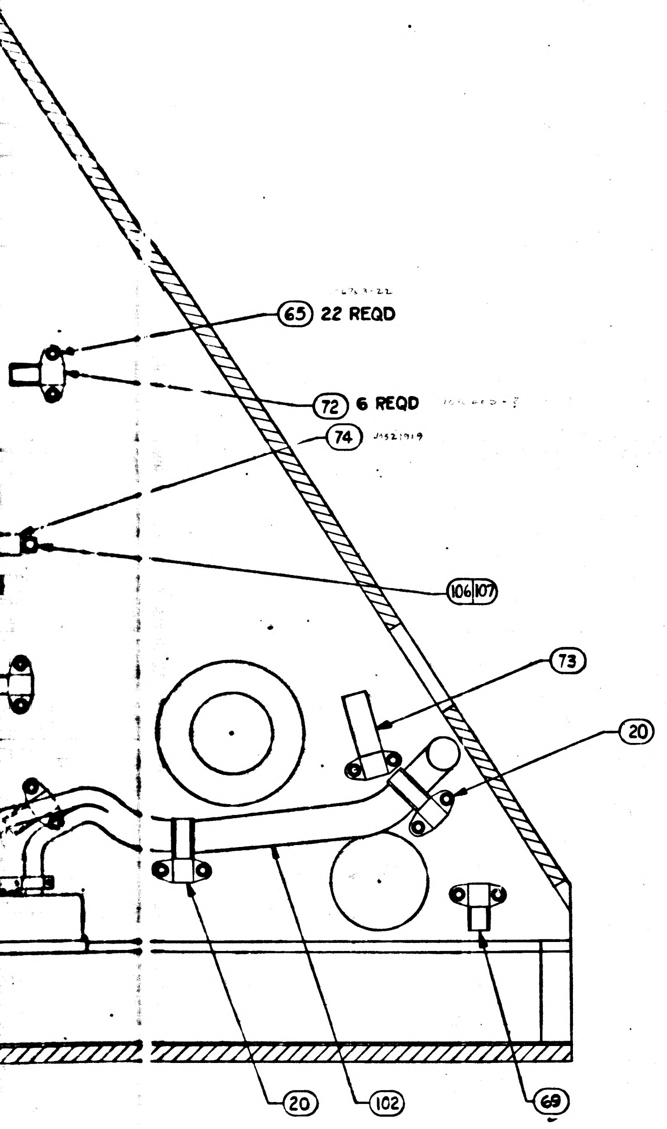

30|51 4 EA REQ'D
30|51 16 EA REQ'D
PARTIAL SECTION C-C
12 REQD 55
23
6 REQD 65
70
14
103
4 EA REQD 30|51
6 EA REQD 47|52
4 EA REQD 32|90
C
105
83
3 REQD 65
4 EA REQD 47|52
84
20
4 REQD 59
C
85
47|52 4 EA REQD
65
93
17
VIEW A-A
2 26
6 REQD 56
2 REQD 38
.228 .233 THRU ITEM 45 AND .50 DEEP IN ITEM 5 .2500 .2503 THRU ITEM 45 AND .38 DEEP IN ITEM 5. MAJOR DIA OF ITEM 38 TO SET FLUSH TO .015 BELOW SURFACE OF ITEM 5.
95|96
96|98
A
30|51 20 EA REQD
57
7 REQD
11
32 5 REQD
D
D

2900673 D SH 2

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		[illegible]		2 JAN 65	EF
B		REVISED PER MXC 208364		21 JAN 66	JAP JRC
C		REVISED PER MXC 208955		10 FEB 66	BU
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 65	JJY

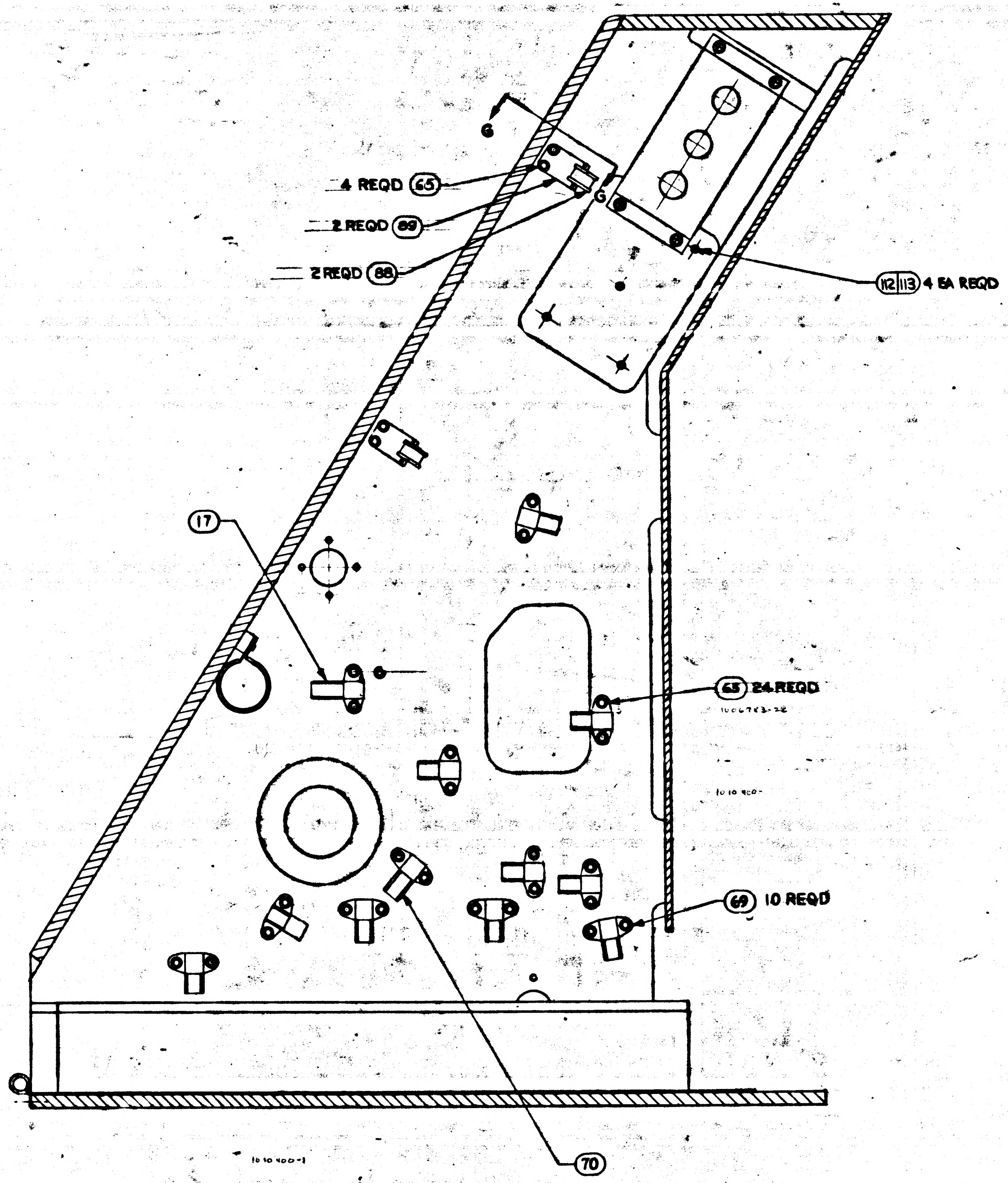


PARTIAL SECTION G-G



65 22 REQD
72 6 REQD
74
106 107
73
20
20
102
69

PARTIAL SECTION F-F



G
4 REQD 65
2 REQD 89
2 REQD 88
G
112 113 4 EA REQD
17
65 24 REQD
69 10 REQD
70

PARTIAL SECTION E-E

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

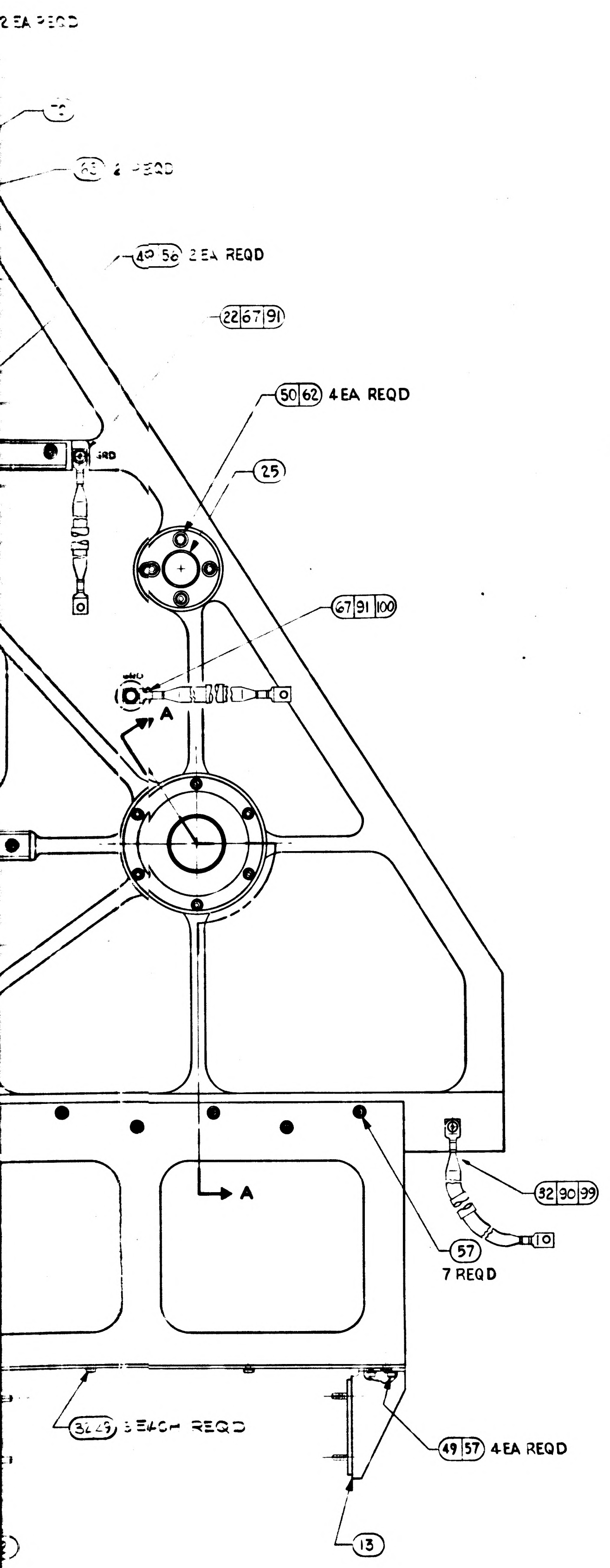
AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. Becker DATE 15 OCT 65
CHECKED C. Wilson 15 OCT 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL R.G. METZGER
MIT APPROVAL

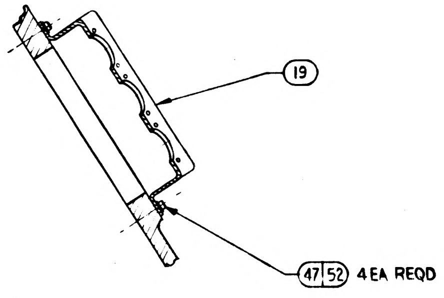
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
GEN FIXTURE BLOCK II

SIZE J
CODE IDENT NO. 99974
2900673
SCALE 1:1
SHEET 3 OF

2900673	REV LTR D	SH 3





PARTIAL SECTION B-B

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
				8		113	AN960C516	(1897006-052) WASHER, FLAT
				8		112	MS35308-332	SCREW-CAP, HEX. HD
				~~6~~		~~111~~	~~MS16995-52~~	~~SCREW, CAP~~
				2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
				AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
				1		108	NAS 1057T3-050	(1896919-001) SPACER
				1		107	NAS 1057T3-100	(1896919-002) SPACER
				1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
				1		105	2900666	WIRE HARNESS E
				1		104	2900925	D
				1		103	2900924	C
				1		102	2900915	B
				1		101	2900753	WIRE HARNESS A
				1		100	2901141	LEAD, ELECTRICAL
				1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2				3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
				2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2				8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2				3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
				1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2				1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2				2		92	1897193-001	STRAP, RETAINING
				2		91	MS35333-74	WASHER, LOCK
				5		90	MS35333-73	WASHER, LOCK
				2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2				2		88	1008807 - 001	CLAMP, LOOP CUSHIONED
				~~12~~		~~87~~	~~MS16995 - 53~~	~~SCREW, CAP~~
				~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
				1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
				1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
				1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
				3		82	2900938	WHEEL, CABLE GUIDE
				8		81	MS16624-4075	RING, RETAINING
				8		80	AN960C1216L	(1897006-123) WASHER, FLAT
				1		79	2900939	SHAFT, CABLE GUIDE
				2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
				3		77	2900941	SCREW, CAP SOCKET HD
				1		76	2900942	CLAMP, CABLE, LOWER HALF
				1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
				2		74	MS 21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2				5		73	1010400 - 11	CLAMP, LOOP, HINGED
SEE NOTE 2				6		72	1010400 - 2	CLAMP, LOOP, HINGED
						71		
SEE NOTE 2				7		70	1010400 - 3	CLAMP, LOOP HINGED
SEE NOTE 2				9		69	1010400 - 1	CLAMP, LOOP HINGED
				1		68	2900919	BRACKET, ELEC, CONNECTOR (INSEP ASSY)
SEE NOTE 2				2		67	1006783 - 56	SCREW, BUTTON HD
				2		66	1006783 - 22	
				68		65	1006783 - 26	
SEE NOTE 2				8		64	1006783 - 27	SCREW, BUTTON HD
						63		
				26		62	MS16996 - 24	SCREW, CAP, HEX SOCKET HD.
				6		61	MS16996 - 23	SCREW, CAP, HEX SOCKET HD.
						60		
				17		59	MS16996 - 13	SCREW, CAP, HEX SOCKET HD.
				50		58	- 12	
				22		57	- 11	
				29		56	MS16996 - 10	
				12		55	MS16995 - 28	
				~~4~~		54	~~MS16995 - 27~~	~~SCREW CAP HEX SOCKET HD~~
						53		
				22		52	MS16995 - 25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2				56		51	1012525 - 002	NUT-HEX, LIGHT, THIN
				31		50	AN960C416	(1897006-042) WASHER, FLAT
				55		49	AN960C10	(1897006-017) WASHER, FLAT
				4		48	MS16555-648	PIN, STRAIGHT
				22		47	AN 960C8	(1897006-028) WASHER, FLAT
				2		46	MS172246	NUT, SPANNER
				1		45	1900635	GEAR, OUTPUT
				1		44	1900634	CAP, BEARING
				1		43	1900633	CAP, BEARING
				1		42	1900627	RETAINER, BEARING
				1		41	1900626	RETAINER, BEARING
				2		40	1900625	CARTRIDGE, BEARING
				2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2				2		38	1016093-001	PIN, STEP DOWEL
				2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
				8		36	1015826-403	SCREW, FLAT HD.
				13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2				6		34	1010630-28	SCREW, FLAT HD.
				24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2				14		32	1006783-44	SCREW, BUTTON HD.
				6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2				60		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2				2		29	1006674-5	BOLT, EYE
				1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
				20		27	2900721	SPACER SLEEVE
				1		26	2900684-011	COLDPLATE, PEA
				2		25	2900651	SHAFT, SHOULDERED
				2		24	MS172211	WASHER, KEY, BEARING RETAINER
				1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
				1		22	2901139	LEAD, ELECTRICAL
				2		21	2900647	TRACK, SLIDING
SEE NOTE 2				3		20	1010400-7	CLAMP, LOOP, HINGED
				1		19	2900902	BRACKET, ELEC. CONNECTOR
				1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2				2		17	1010400-4	CLAMP, LOOP, HINGED
				1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
				1		15	2900893	PLATE, MOUNTING, R.H (INSEP ASSY)
				1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
				1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
				1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
				1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
				~~18~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
				1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
				1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
				1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
				1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
				1		5	2900629	CRADLE, G&N FIXTURE, MATCHED
				1		4	2900612-021	COLDPLATE CGC/LGC
				1		3	2900611-011	COLDPLATE CDU
				1		2	2900499	SPACER, PEA
				14		1	2900430-002	SCREW, CAP, SOCKET HD

LIST OF PARTS AND MATERIALS

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61251		2 JAN 66	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. JPC
C		REVISED PER MXC 208955		10 FEB 66	E.G.
Ⓜ D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 2772		13 APR 66	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.A. Blehm DATE 15 OCT 65
CHECKED Wilson 15 OCT 65
APPROVAL 25 OCT 65
APPROVAL Johnson 3/1/66
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEVBLY,
G AND N FIXTURE BLOCK II

CODE IDENT NO. 99974
SIZE J_2
2900673
SCALE 1:
SHEET 1 OF 3

2900673 REV E SH 1

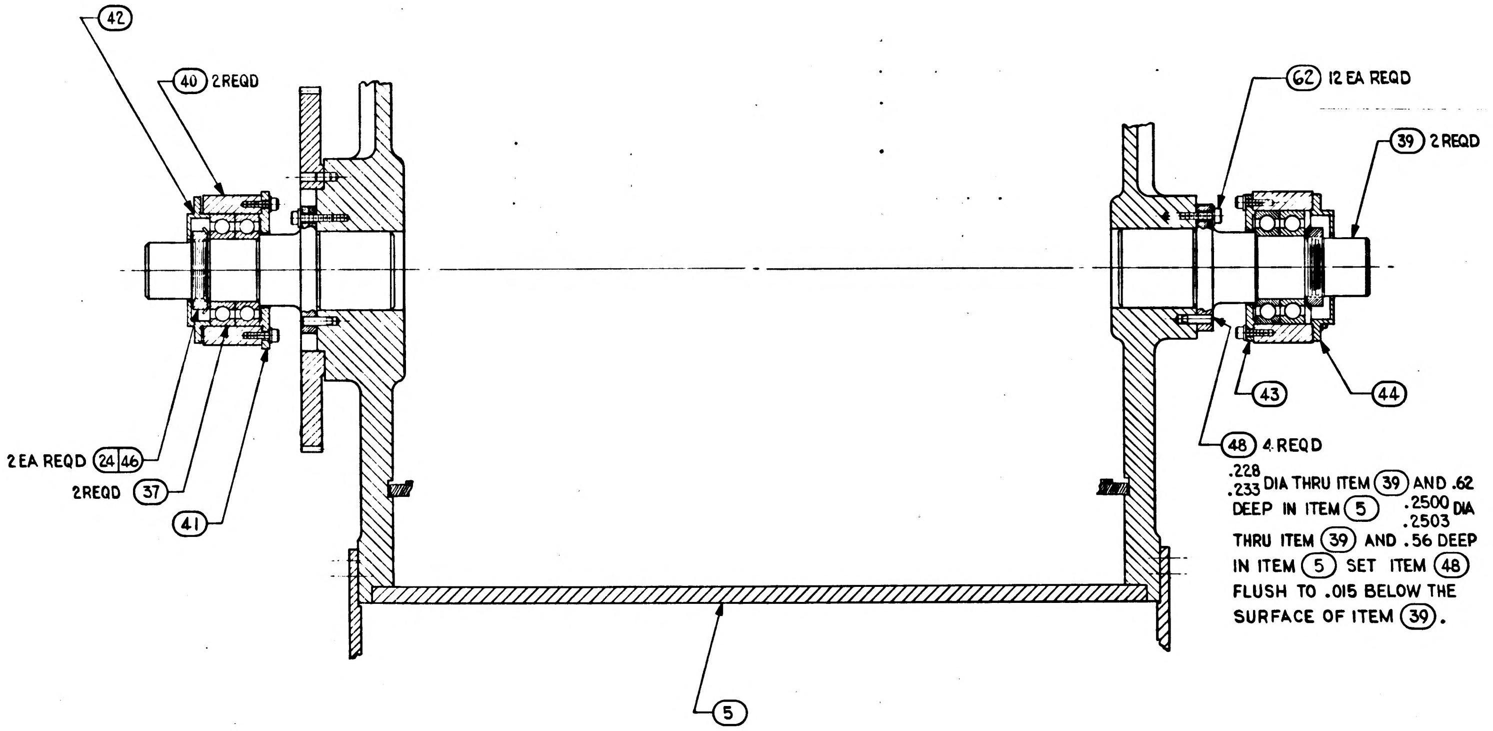
2/2900673

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   - A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   - B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.

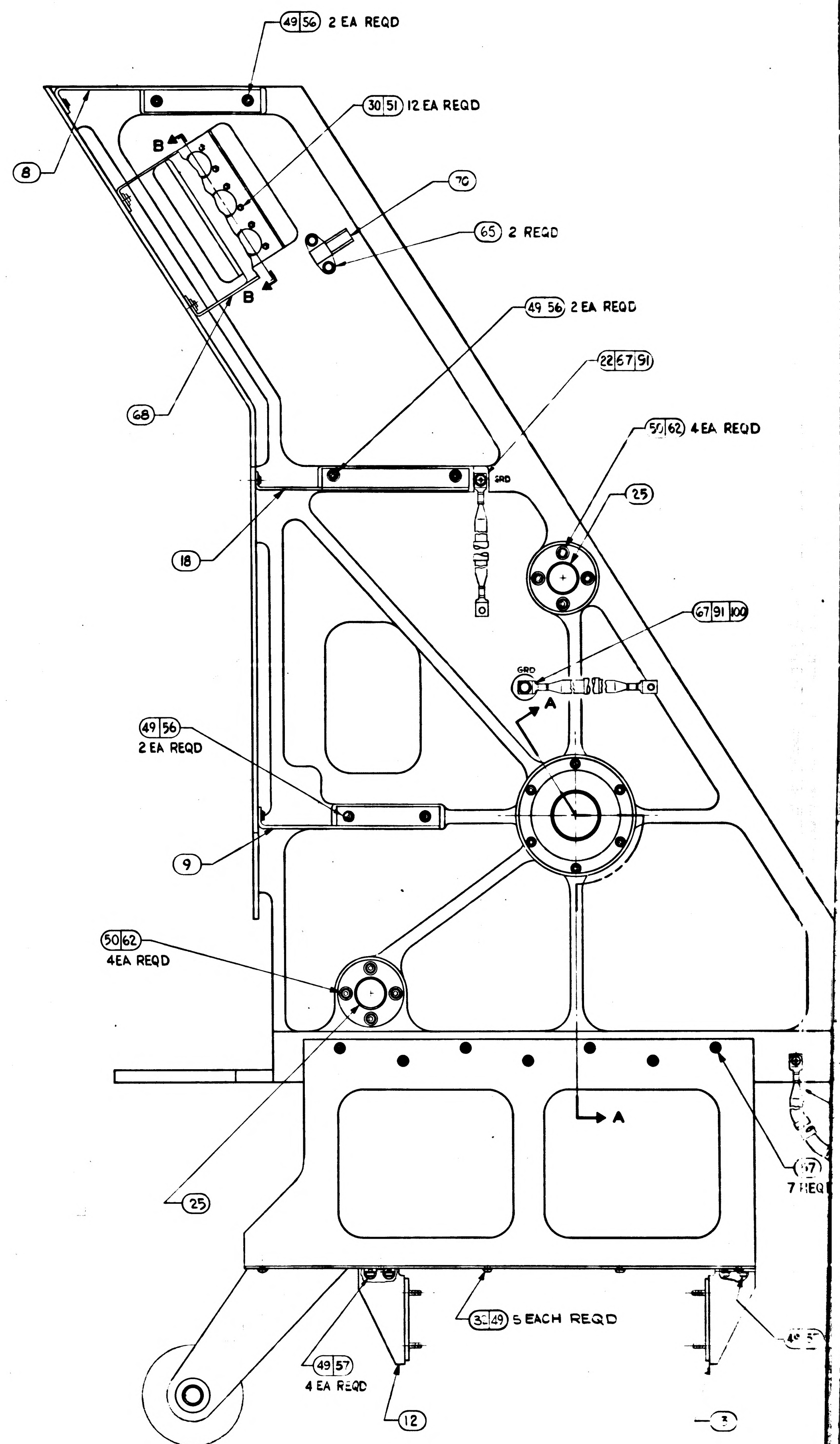


(42)
(40) 2 REQD
(62) 12 EA REQD
(39) 2 REQD
(43)
(44)
2 EA REQD (24)(46)
2 REQD (37)
(41)
(5)

(48) 4 REQD

$\frac{.228}{.233}$ DIA THRU ITEM (39) AND .62 DEEP IN ITEM (5) $\frac{.2500}{.2503}$ DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).

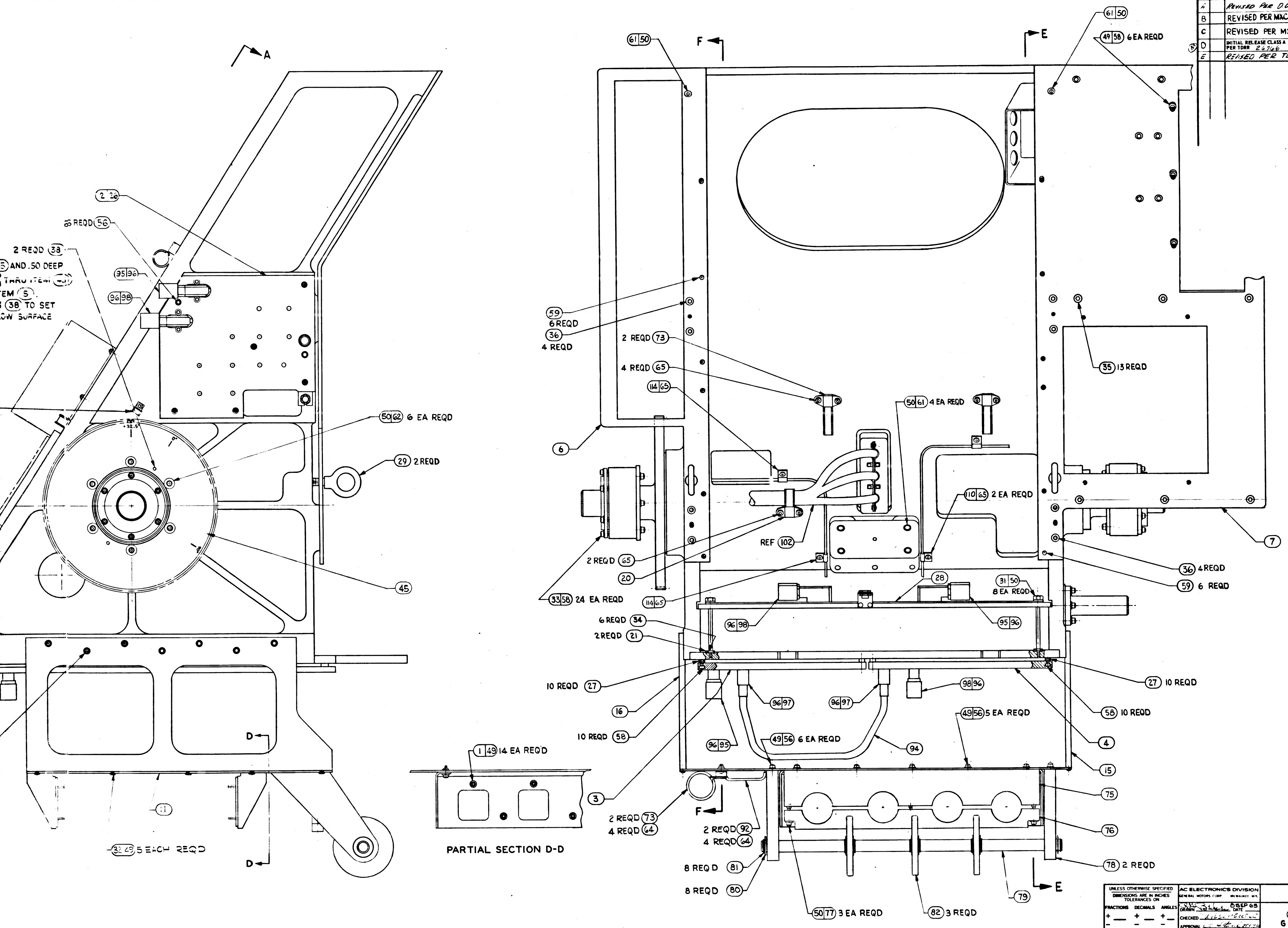
PARTIAL SECTION A-A



(49)(56) 2 EA REQD
(30)(51) 12 EA REQD
(8)
B
B
(70)
(65) 2 REQD
(49)(56) 2 EA REQD
(22)(67)(91)
(68)
GRD
(50)(62) 4 EA REQD
(25)
(18)
(67)(91)(100)
GRD
A
(49)(56) 2 EA REQD
(9)
(50)(62) 4EA REQD
A
(25)
(57) 7 REQ
(3)(49) 5 EACH REQD
(49)(57) 4 EA REQD
(12)
(3)

2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61251		2 JAN 65	
B		REVISED PER MXC 208364		2 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	J.E.
D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 2772		13 FEB 66	



9
8
7
6
5
4
3
2
1
A
2 26
85 REQD 56
2 REQD 38
5 AND .50 DEEP
THRU ITEM 37
ITEM 5.
38 TO SET
LOW SURFACE
95 96
96 98
50 62 6 EA REQD
29 2 REQD
45
D
D
31 49 5 EACH REQD
1 49 14 EA REQD
PARTIAL SECTION D-D
F
61 50
59
6 REQD
36
4 REQD
2 REQD 73
4 REQD 65
114 65
6
2 REQD 65
20
33 58 24 EA REQD
114 65
6 REQD 34
2 REQD 21
10 REQD 27
16
10 REQD 58
3
2 REQD 73
4 REQD 64
F
2 REQD 92
4 REQD 64
8 REQD 81
8 REQD 80
50 77 3 EA REQD
82 3 REQD
79
E
78 2 REQD
76
75
15
4
58 10 REQD
27 10 REQD
49 56 5 EA REQD
98 96
96 97
96 97
49 56 6 EA REQD
94
96 95
96 98
95 96
28
31 50
8 EA REQD
REF 102
50 61 4 EA REQD
110 65 2 EA REQD
36 4 REQD
59 6 REQD
7
35 13 REQD
E
61 50
49 58 6 EA REQD

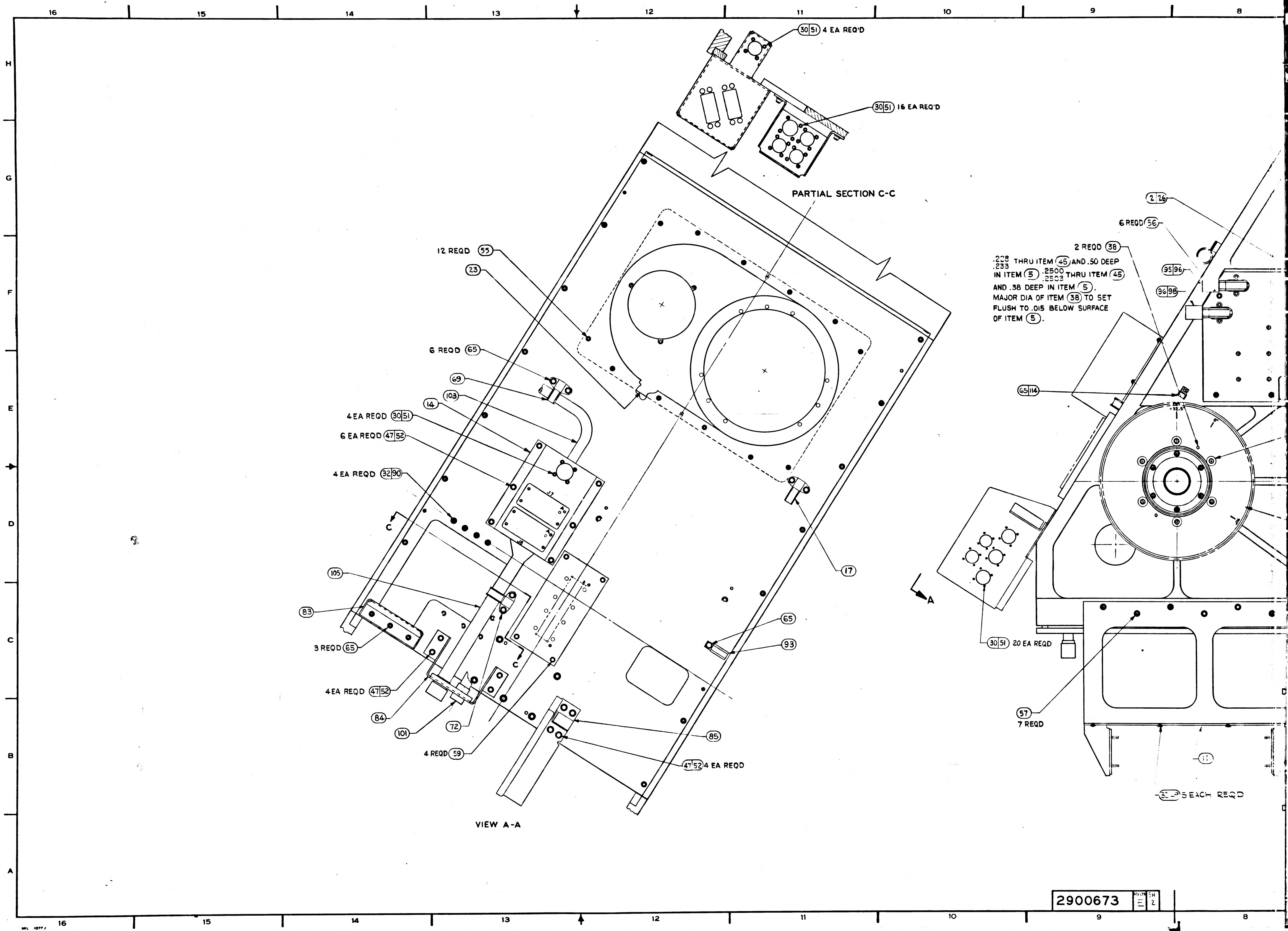
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Baker DATE 8 SEP 65 CHECKED APPROVAL APPROVAL Feldman 3/1/66	CRADLE ASSEMBLY, G AND N FIXTURE BLOCK
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 · SIZE J2 · 2900673
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2 · SHEET 2 OF 3

H
G
F
E
D
C
B
A

2900673 E 2

24

2/2900673


16
15
14
13
12
11
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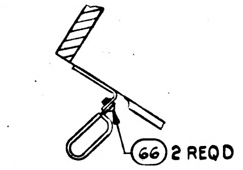
9
8
H
G
F
E
D
C
B
A
30 51 4 EA REQ'D
30 51 16 EA REQ'D
PARTIAL SECTION C-C
12 REQD 55
23
6 REQD 65
69
103
14
4 EA REQD 30 51
6 EA REQD 47 52
4 EA REQD 32 90
C
105
83
3 REQD 65
4 EA REQD 47 52
84
101
72
4 REQD 59
C
17
65
93
85
47 52 4 EA REQD
VIEW A-A
2 26
6 REQD 56
2 REQD 38
.228
.233 THRU ITEM 45 AND .50 DEEP
IN ITEM 5 .2500
.2503 THRU ITEM 45
AND .38 DEEP IN ITEM 5.
MAJOR DIA OF ITEM 38 TO SET
FLUSH TO .015 BELOW SURFACE
OF ITEM 5.
95 96
96 98
65 114
+32.5
A
30 51 20 EA REQD
57
7 REQD
11
32 90 5 EACH REQD
D
D

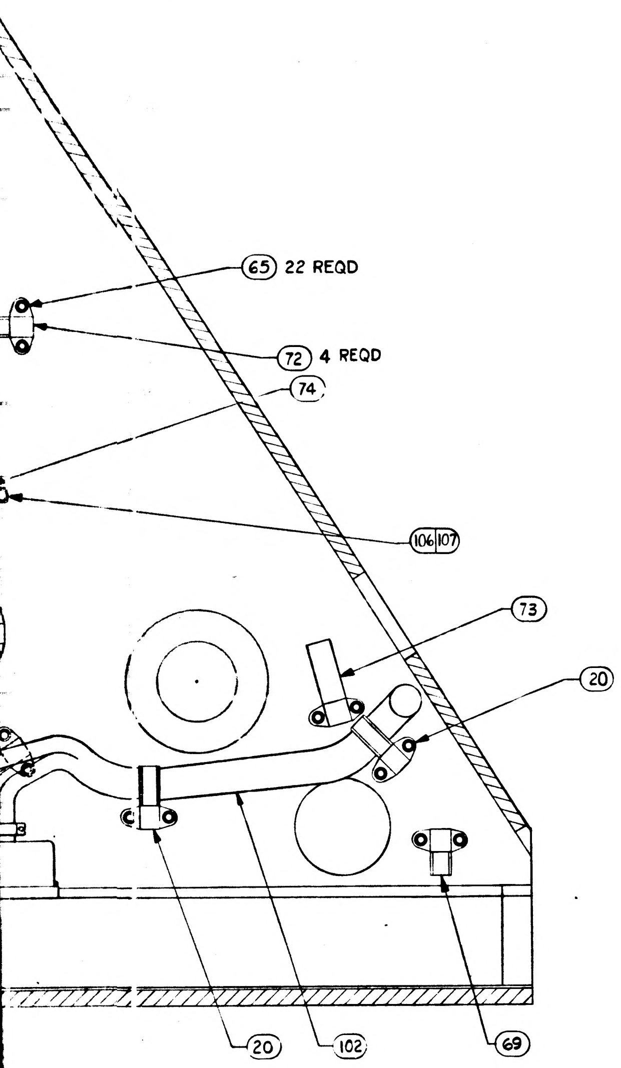
2900673 REV LTR E SH 2

1/2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised per D.O. 61251		2 JAN 65	
B		REVISED PER MXC 208364		21 JAN 66	J.M.P. JRC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 65	
E		REVISED PER TDRR 27721		13 APR 66	

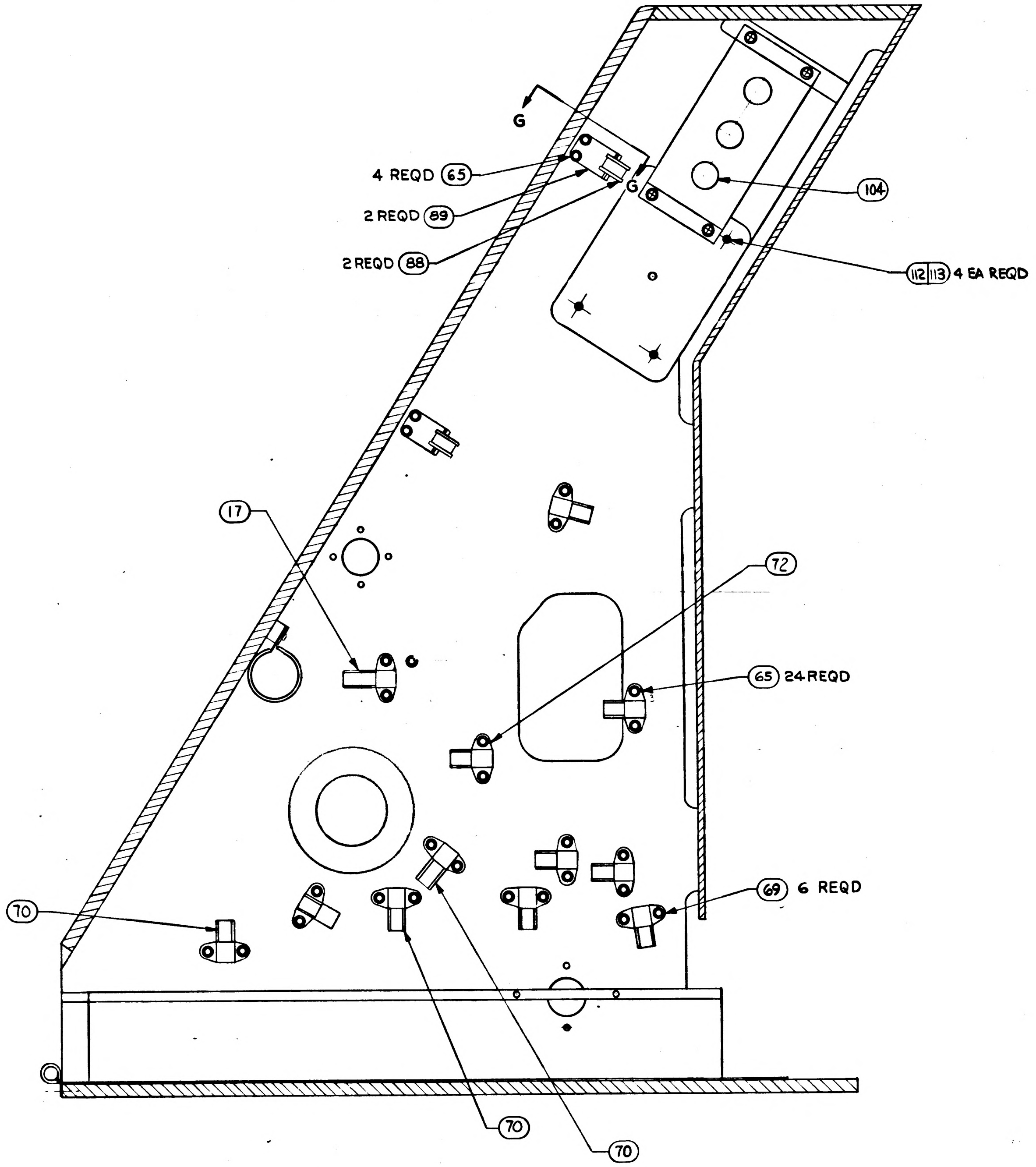


PARTIAL SECTION G-G



65 22 REQD
72 4 REQD
74
106 107
73
20
20
102
69

PARTIAL SECTION F-F



G
G
4 REQD 65
2 REQD 89
2 REQD 88
104
112 113 4 EA REQD
17
72
65 24 REQD
69 6 REQD
70
70
70

PARTIAL SECTION E-E

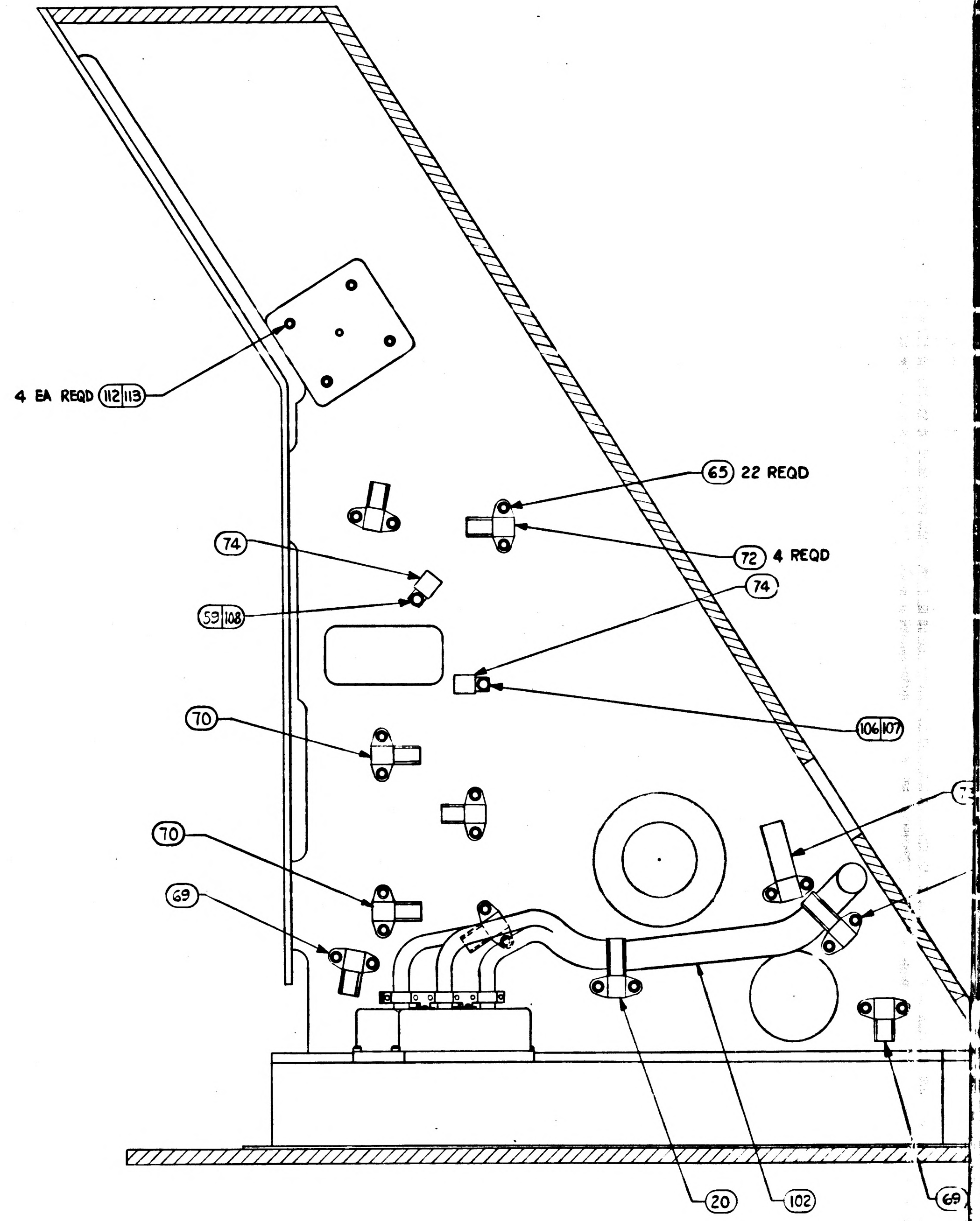
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN R. BECKER DATE 15 OCT 65 CHECKED C. WILSON 15 OCT 65 APPROVAL CONTRACT NAS 9-497	CRADLE ASSEMBLY, GSN FIXTURE BLOCK II
MATERIAL —	NASA APPROVAL A. C. METZGER	SIZE J2 · CODE IDENT NO. 99974 · 2900673
APPROVAL	MIT APPROVAL	SCALE 1:2 · SHEET 3 OF 3

2900673

2900673

2900673

2/2900673


4 EA REQD 112 113
65 22 REQD
72 4 REQD
74
59 108
74
106 107
70
70
69
20
102
69

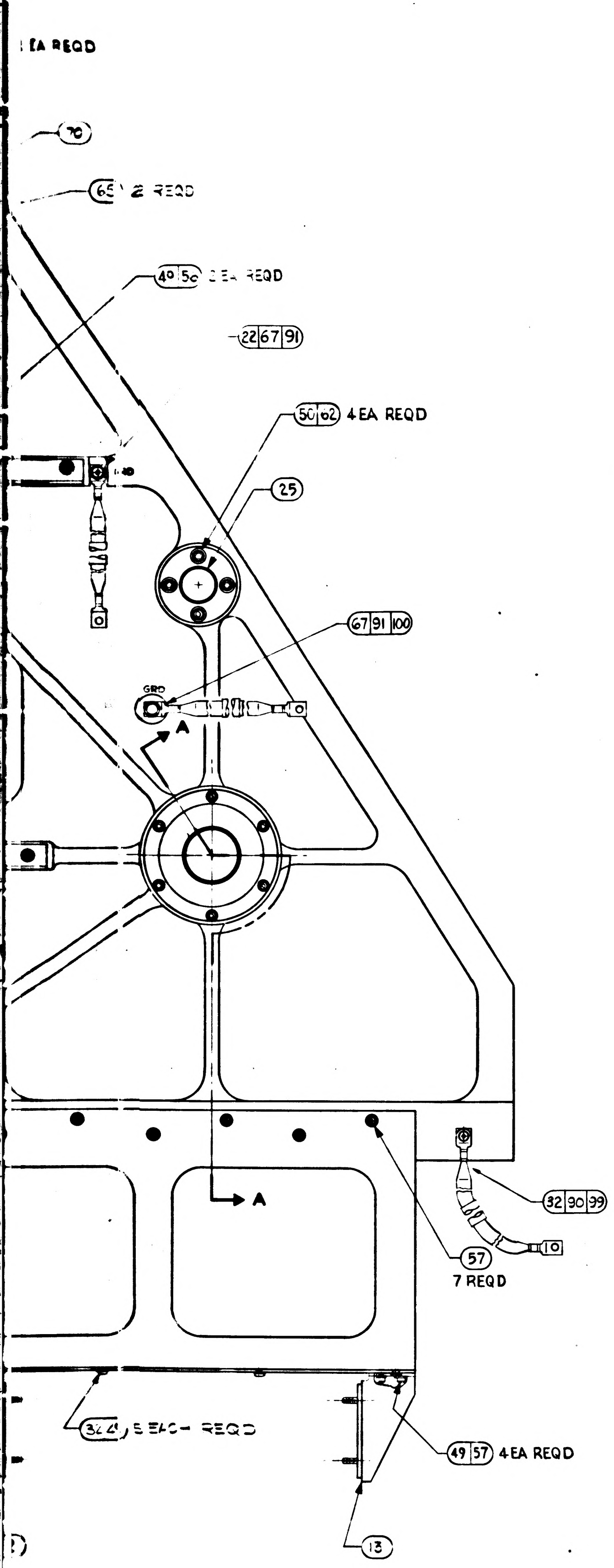
PARTIAL SECTION F-F

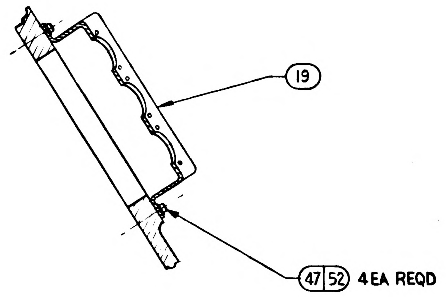
2900673	REV LTR E	SH 3

1/2900673

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER 2.O. 61251		2 JAN 66	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	E.G.
Ⓜ D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB	
Ⓜ E		REVISED PER TDRR 2772		13 APR 66	
F		REVISED PER TDRR 28908		23	CP

REVISIONS





PARTIAL SECTION B-B

	QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
				8		113	AN960C516	(1897006-052) WASHER, FLAT
				8		112	MS35308 332	SCREW-CAP, HEX. HD
				~~6~~		~~111~~	~~MS16995-52~~	~~SCREW, CAP~~
				2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
				AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
				1		108	NAS1057T3-050	(1896919-001) SPACER
				1		107	NAS1057T3-100	(1896919-002) SPACER
				1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
				1		105	2900666	WIRE HARNESS E
				1		104	2900925	| | D
				1		103	2900924	| | C
				1		102	2900915	| | B
				1		101	2900753	WIRE HARNESS A
				1		100	2901141	LEAD, ELECTRICAL
				1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2				3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
				2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2				8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2				3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
				1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2				1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2				2		92	1897193-001	STRAP, RETAINING
				2		91	MS35333-74	WASHER, LOCK
				5		90	MS35333-73	WASHER, LOCK
				2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2				2		88	1008807-001	CLAMP, LOOP CUSHIONED
				~~12~~		~~87~~	~~MS16995-53~~	~~SCREW, CAP~~
				~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
				1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
				1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
				1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
				3		82	2900938	WHEEL, CABLE GUIDE
				8		81	MS16624-4075	RING, RETAINING
				8		80	AN960C1216L	(1897006-123) WASHER, FLAT
				1		79	2900939	SHAFT, CABLE GUIDE
				2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
				3		77	2900941	SCREW, CAP SOCKET HD
				1		76	2900942	CLAMP, CABLE, LOWER HALF
				1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
				2		74	MS21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2				5		73	1010400-11	CLAMP, LOOP, HINGED
SEE NOTE 2				10		72	1010400-2	CLAMP, LOOP, HINGED
						71		
SEE NOTE 2				5		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2				7		69	1010400-1	CLAMP, LOOP, HINGED
				1		68	2900919	BRACKET, ELEC, CONNECTOR (INSEP ASSY)
SEE NOTE 2				2		67	1006783-56	SCREW, BUTTON HD
| | |				2		66	1006783-22	| | |
| | |				65		65	1006783-26	| | |
SEE NOTE 2				8		64	1006783-27	SCREW, BUTTON HD
						63		
				26		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
				6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
						60		
				17		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
				50		58	| -12	| | | | |
				22		57	| -11	| | | | |
				29		56	MS16996-10	| | | | |
				12		55	MS16995-28	| | | | |
				~~4~~		54	~~MS16995-27~~	~~SCREW CAP HEX SOCKET HD~~
						53		
				21		52	MS16995-25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2				56		51	1012525-002	NUT-HEX, LIGHT, THIN
				31		50	AN960C416	(1897006-042) WASHER, FLAT
				55		49	AN960C10	(1897006-017) WASHER, FLAT
				4		48	MS16555-648	PIN, STRAIGHT
				21		47	AN960C8	(1897006-028) WASHER, FLAT

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				2		46	MS172246	NUT, SPANNER
				1		45	1900635	GEAR, OUTPUT
				1		44	1900634	CAP, BEARING
				1		43	1900633	CAP, BEARING
				1		42	1900627	RETAINER, BEARING
				1		41	1900626	RETAINER, BEARING
				2		40	1900625	CARTRIDGE, BEARING
				2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2				2		38	1016093-001	PIN, STEP DOWEL
| | |				2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
| | |				8		36	1015826-403	SCREW, FLAT HD.
| | |				13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2				6		34	1010630-28	SCREW, FLAT HD.
				24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2				15		32	1006783-44	SCREW, BUTTON HD.
				6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2				56		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2				2		29	1006674-5	BOLT, EYE
				1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
				20		27	2900721	SPACER SLEEVE
				1		26	2900684-011	COLDPLATE, PEA
				2		25	2900651	SHAFT, SHOULDERED
				2		24	MS172211	WASHER, KEY, BEARING RETAINER
				1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
				1		22	2901139	LEAD, ELECTRICAL
				2		21	2900647	TRACK, SLIDING
SEE NOTE 2				3		20	1010400-7	CLAMP, LOOP, HINGED
				1		19	2900902	BRACKET, ELEC. CONNECTOR
				1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2				2		17	1010400-4	CLAMP, LOOP, HINGED
				1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
				1		15	2900893	PLATE, MOUNTING, R.H. (INSEP ASSY)
				1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
				1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
				1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
				1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
				~~18~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
				1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
				1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
				1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
				1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
				1		5	2900629	CRADLE, G&N FIXTURE, MATCHED
				1		4	2900612-021	COLDPLATE CGC/LGC
				1		3	2900611-011	COLDPLATE CDU
				1		2	2900499	SPACER, PEA
				14		1	2900430-002	SCREW, CAP, SOCKET HD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.A. Bleher DATE 15 OCT 65
CHECKED Wilson 15 OCT 65
APPROVAL 25 OCT 65
APPROVAL Johnson 3/1/66
NASA APPROVAL A. L. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY, G AND N FIXTURE BLOCK II

CODE IDENT NO. 99974
SIZE J2
2900673
SCALE 1:
SHEET 1 OF

2900673 F 1

2H

2 / 2900673

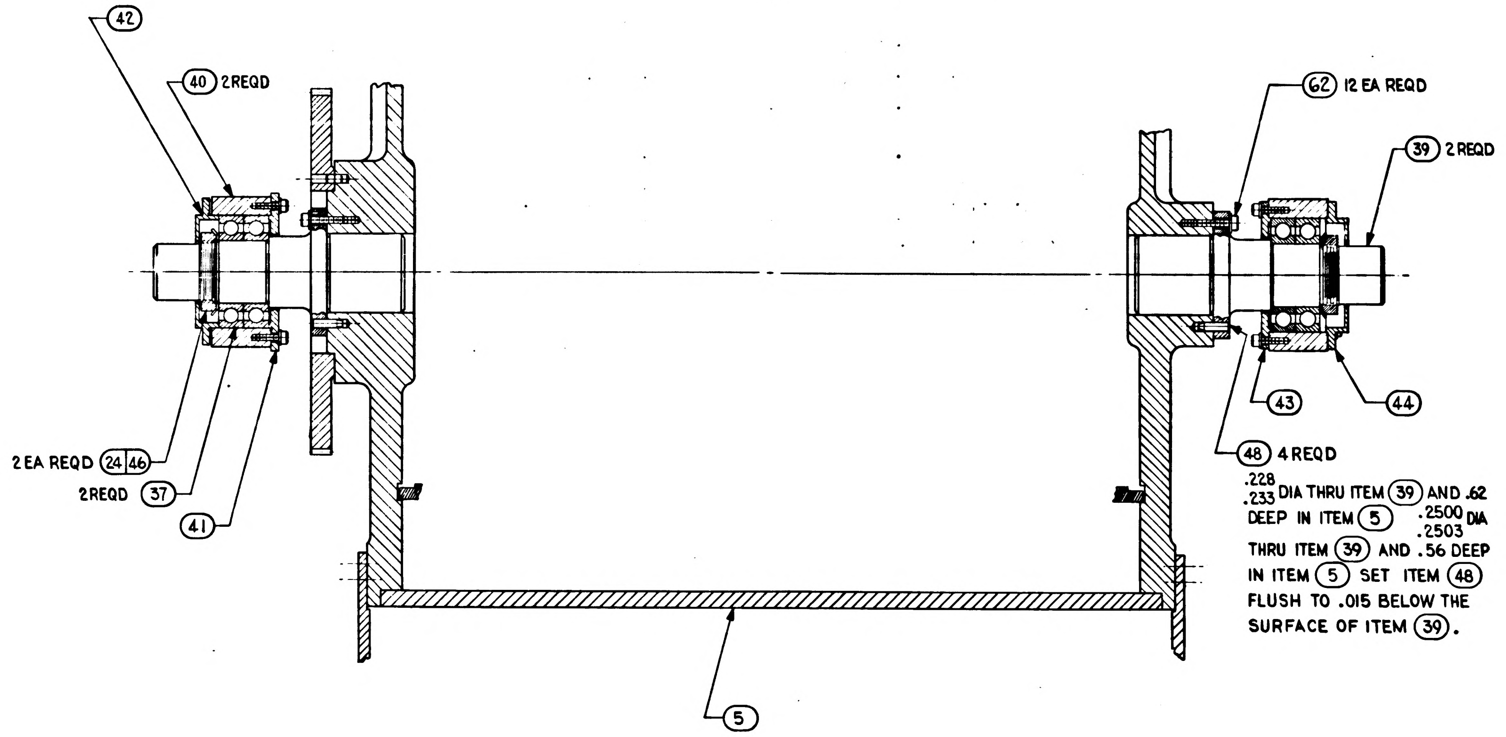
SH 1 OF 3

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

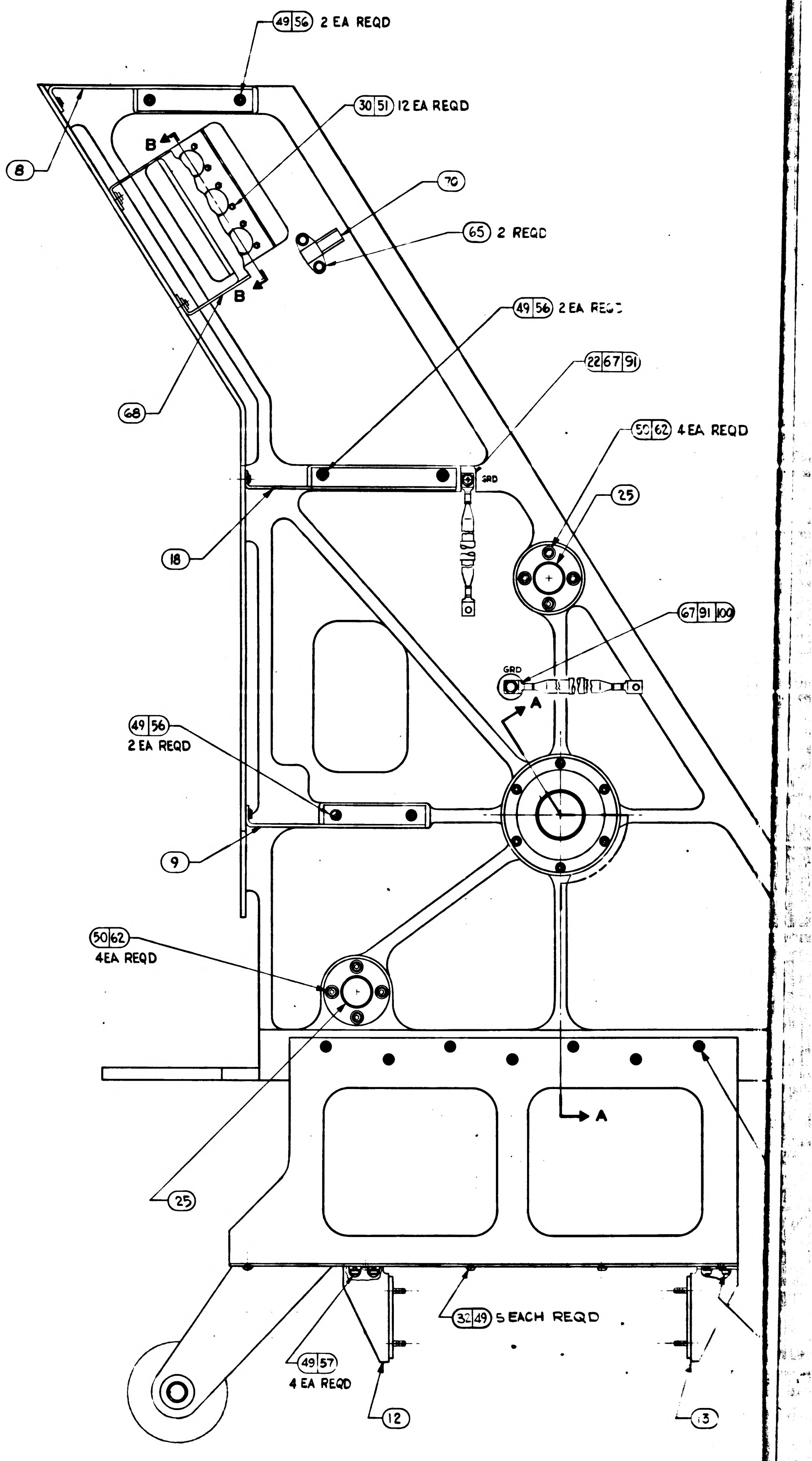
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   - A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   - B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.



(42)
(40) 2REQD
(62) 12 EA REQD
(39) 2REQD
2 EA REQD (24|46)
2REQD (37)
(41)
(43)
(44)
(48) 4 REQD
(5)

$^{.228}_{.233}$ DIA THRU ITEM (39) AND .62 DEEP IN ITEM (5) $^{.2500}_{.2503}$ DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).

PARTIAL SECTION A-A



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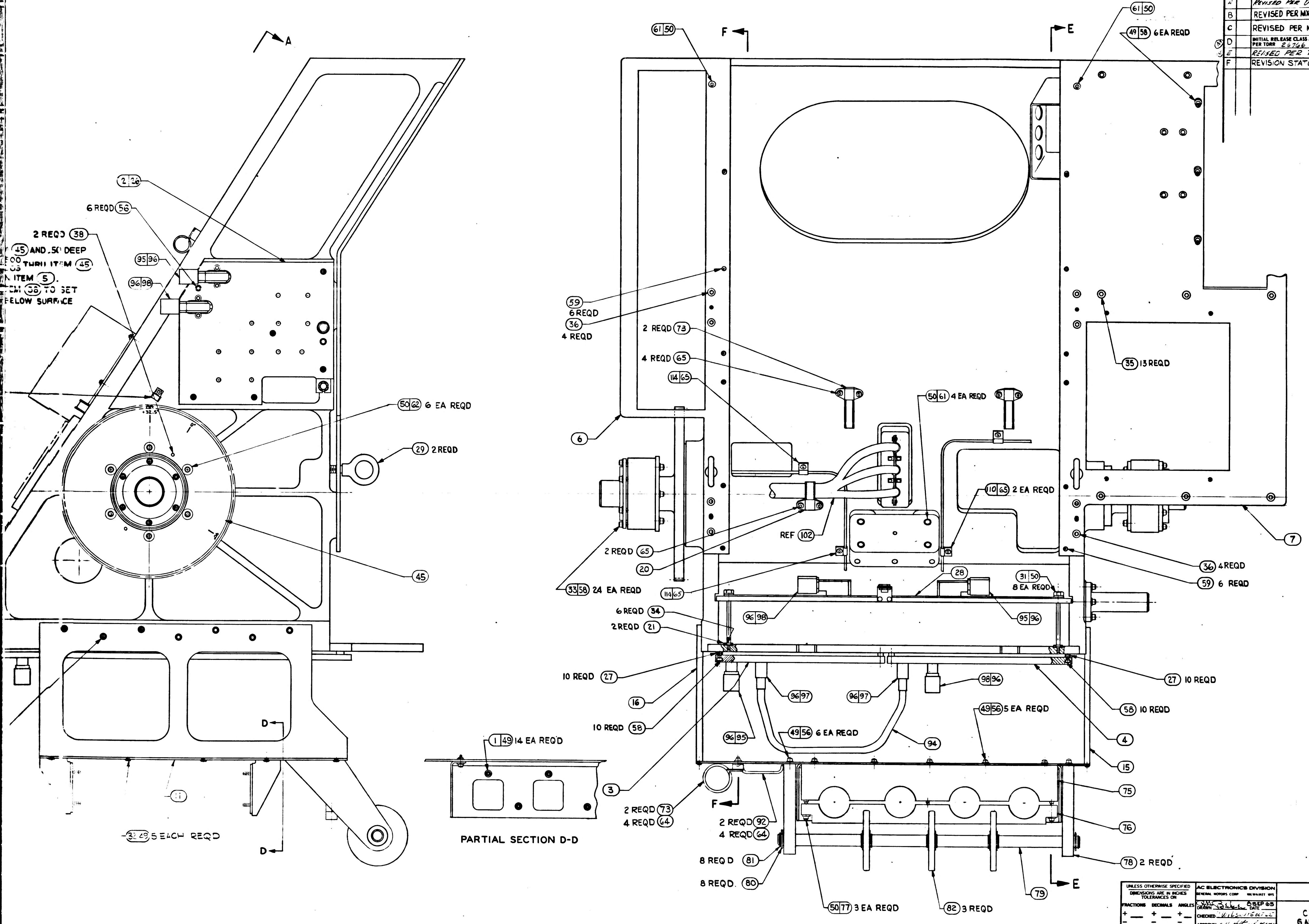
(30|51) 12 EA REQD
B
B
(8)
(70)
(65) 2 REQD
(49|56) 2 EA REQD
(22|67|91)
(68)
(50|62) 4 EA REQD
GRD
(25)
(18)
(67|91|100)
GRD
A
(49|56) 2 EA REQD
(9)
(50|62) 4EA REQD
A
(25)
(32|49) 5 EACH REQD
(49|57) 4 EA REQD
(12)
(13)

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
REVISIONS					
A		REVISED PER D.O. 61251		JAN 65	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	
E		REVISED PER TDRR27721		13	
F		REVISION STATUS CHG'D		23	



F
E
A
2 26
6 REQD 56
2 REQD 38
45 AND .50 DEEP
THRU ITEM 45
ITEM 5.
38 TO SET
BELOW SURFACE
95 96
96 98
50 62 6 EA REQD
29 2 REQD
45
D
D
32 49 5 EACH REQD
1 49 14 EA REQ'D
61 50
59 6 REQD
36 4 REQD
2 REQD 73
4 REQD 65
114 65
6
50 61 4 EA REQD
61 50
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110 65 2 EA REQD
7
2 REQD 65
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114 65
36 4 REQD
59 6 REQD
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6 REQD 34
2 REQD 21
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95 96
10 REQD 27
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10 REQD 58
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96 97
98 96
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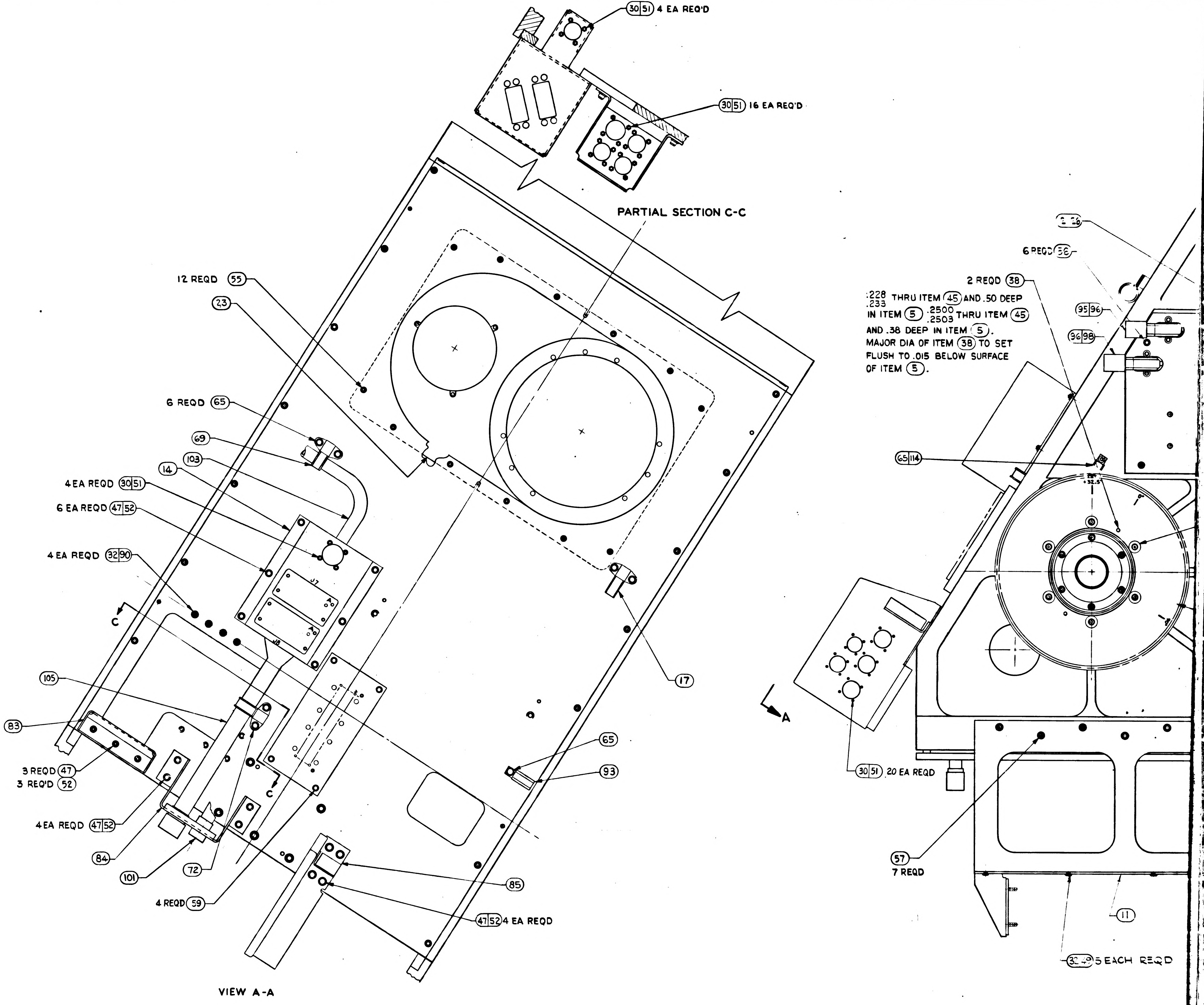
49 56 6 EA REQD
96 95
94
4
15
3
2 REQD 73
4 REQD 64
2 REQD 92
4 REQD 64
75
76
8 REQD 81
8 REQD. 80
78 2 REQD
50 77 3 EA REQD
82 3 REQD
79

PARTIAL SECTION D-D

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + — − DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Baker DATE 8 SEP 65 CHECKED Wilson 15 Oct 65 APPROVAL APPROVAL Gelman 3/1/66	CRADLE ASSEMBLY, G AND N FIXTURE BLOCK II
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 · SIZE J2 · 2900673
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2 · SHEET 2 OF 3

2900673 F H2

27 2900673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30 51 16 EA REQ'D
PARTIAL SECTION C-C
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23
6 REQD 65
69
103
14
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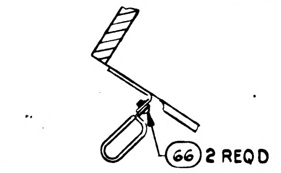
6 EA REQD 47 52
4 EA REQD 32 90
C
C
105
83
3 REQD 47
3 REQ'D 52
4 EA REQD 47 52
84
101
72
4 REQD 59
17
65
93
85
47 52 4 EA REQD
VIEW A-A
2 26
6 REQD 36
2 REQD 38
.228
.233 THRU ITEM 45 AND .50 DEEP
IN ITEM 5 .2500
.2503 THRU ITEM 45
AND .38 DEEP IN ITEM 5.
MAJOR DIA OF ITEM 38 TO SET
FLUSH TO .015 BELOW SURFACE
OF ITEM 5.
95 96
96 98
65 114
A
30 51 20 EA REQD
57
7 REQD
11
32 49 5 EACH REQD

2900673 REV LTR F SH 2

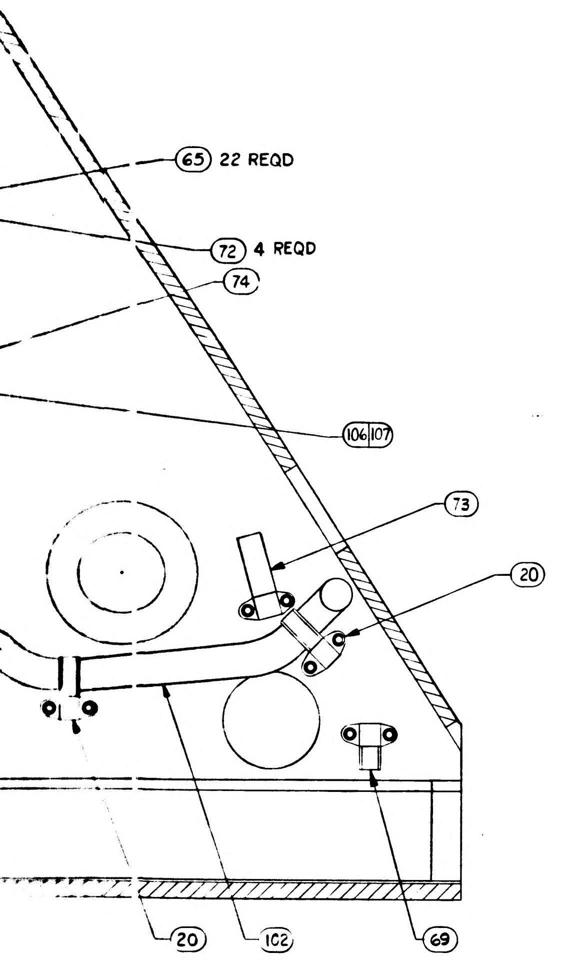
NPL 1077J

172900673

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. w 251		2 JAN 65	
B		REVISED PER MXC 208364		21 JAN 66	J.M.P JEC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 27721		13 APR 66	J.G
F		REVISION STATUS CHGD		23 NOV 66	



PARTIAL SECTION G-G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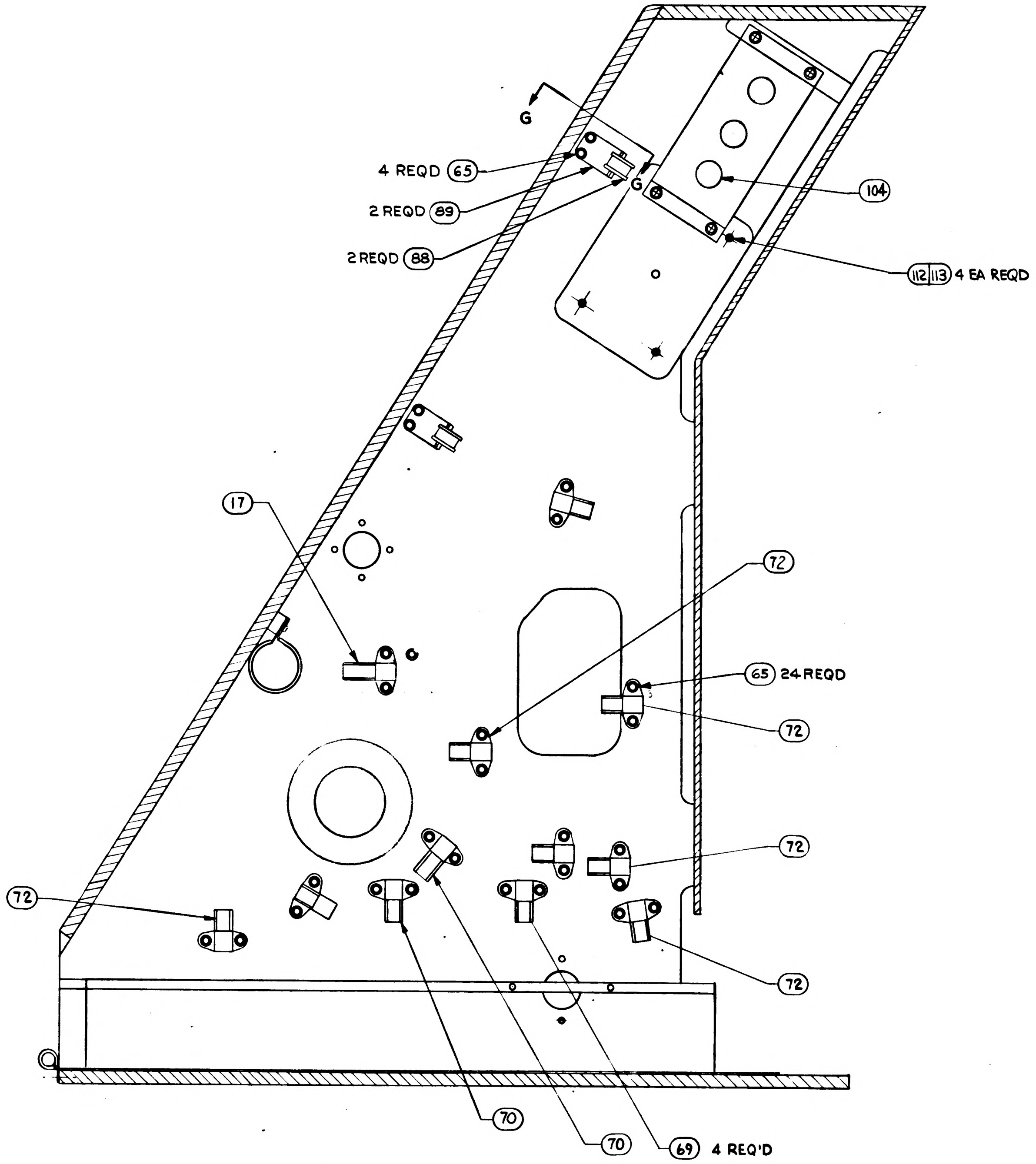
72 4 REQD
74
106 107
73
20
20
102
69

TIAL SECTION F-F


G
G
4 REQD 65
2 REQD 89
2 REQD 88
104
112 113 4 EA REQD
17
72
65 24 REQD
72
72
72
72
70
70
69 4 REQ'D

PARTIAL SECTION E-E

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. BECKER DATE 15 OCT 65
CHECKED C. WILSON 15 OCT 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G&N FIXTURE BLOCK II

SIZE J2 CODE IDENT NO. 99974 2900673
SCALE 1:2 SHEET 3 OF 3

2900673

2900673

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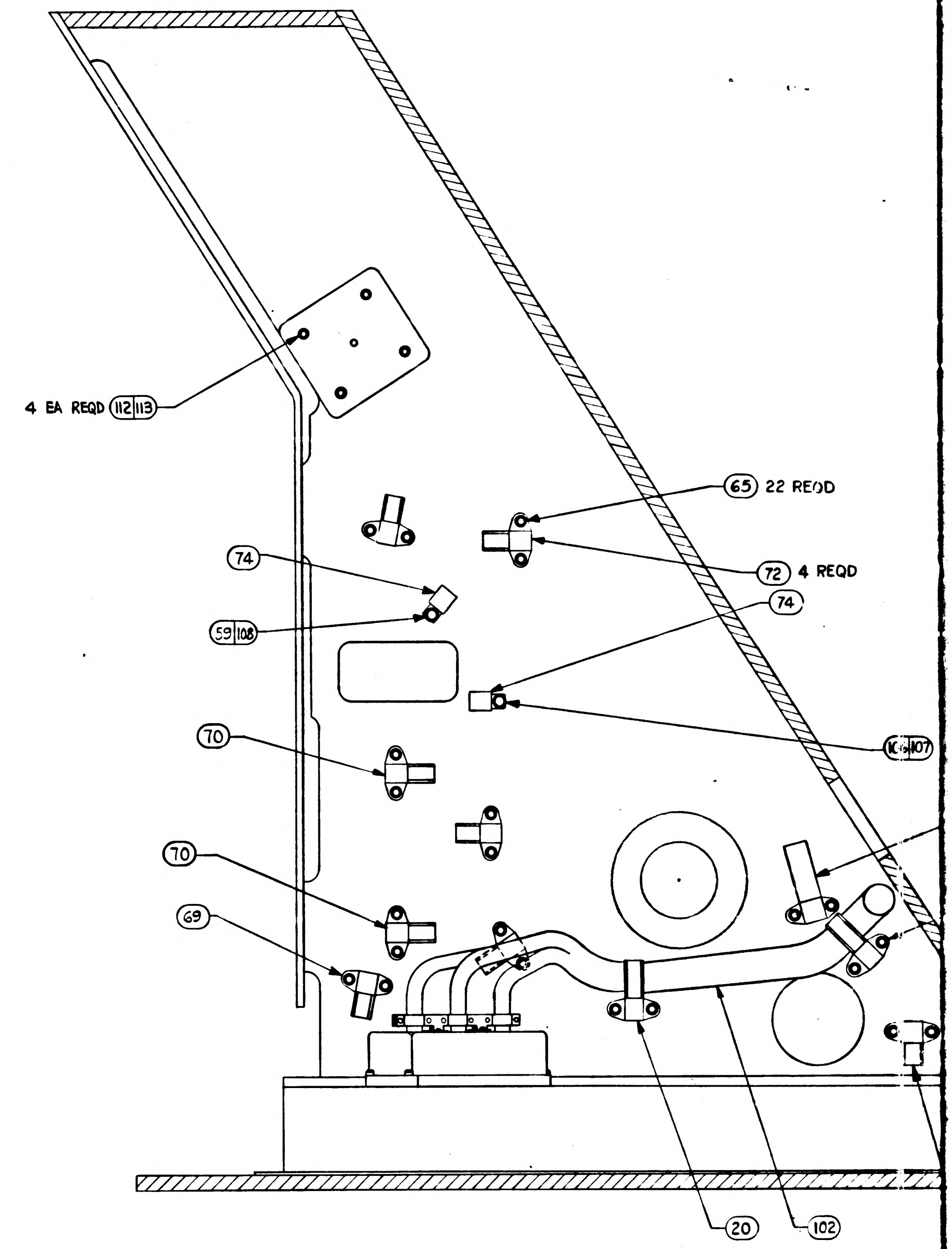
2729006673

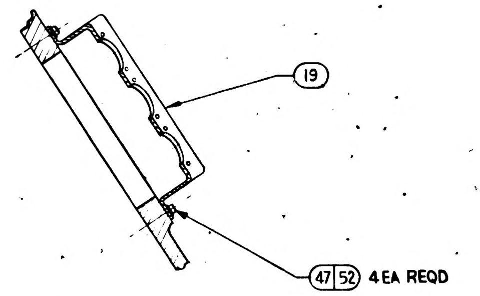

4 EA REQD 112 113
65 22 REQD
72 4 REQD
74
59 108
74
106 107
70
70
69
20
102

PARTIAL SECTION F-F

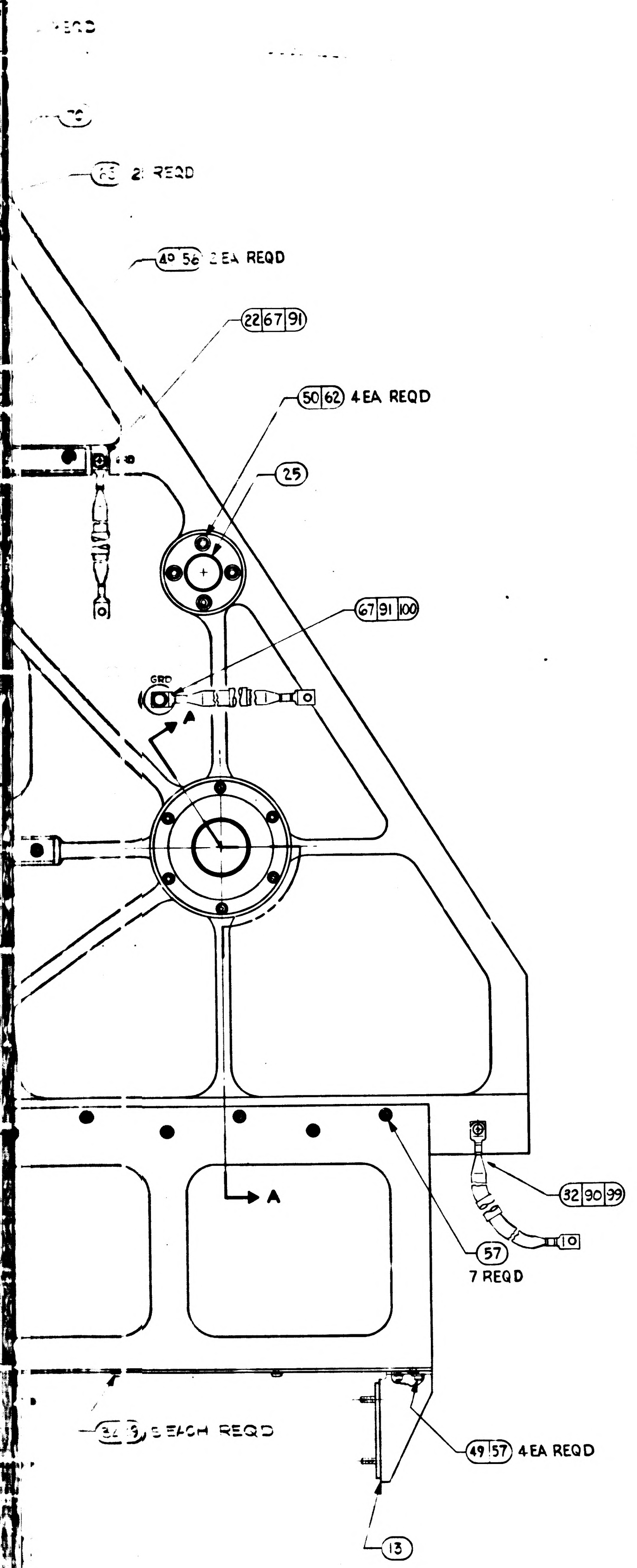
2900673 REV LTR F SH 3

1Z2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised Per 20. 61251		2 JAN 66	
B		Revised Per MXC 208364		21 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	
Ⓜ D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	
Ⓜ E		REVISED PER TDRR 27721		13 APR 66	
Ⓜ F		REVISED PER TDRR 28908			CP
G		REVISED PER TDRR 29788			



PARTIAL SECTION B-B



	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
	8		113	AN960C516L	(1897006-053) WASHER, FLAT
	8		112	MS35308-332	SCREW-CAP, HEX. HD
	~~6~~		~~111~~	~~MS16995-52~~	~~SCREW, CAP~~
	2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
	AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
	1		108	NAS1057T3-050	(1896919-001) SPACER
	1		107	NAS1057T3-100	(1896919-002) SPACER
	1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
	1		105	2900666	WIRE HARNESS E
	1		104	2900925	D
	1		103	2900924	C
	1		102	2900915	B
	1		101	2900753	WIRE HARNESS A
	1		100	2901141	LEAD, ELECTRICAL
	1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2	3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
	2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2	8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2	3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
	1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2	1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2	2		92	1897193-001	STRAP, RETAINING
	2		91	MS35333-74	WASHER, LOCK
	5		90	MS35333-73	WASHER, LOCK
	2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2	2		88	1008807-001	CLAMP, LOOP CUSHIONED
	~~12~~		~~87~~	~~MS16995-53~~	~~SCREW, CAP~~
	~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
	1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
	1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
	1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
	3		82	2900938	WHEEL, CABLE GUIDE
	8		81	MS16624-4075	RING, RETAINING
	8		80	AN960C1216L	(1897006-123) WASHER, FLAT
	1		79	2900939	SHAFT, CABLE GUIDE
	2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
	3		77	2900941	SCREW, CAP SOCKET HD
	1		76	2900942	CLAMP, CABLE, LOWER HALF
	1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
	2		74	MS21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2	5		73	1010400-11	CLAMP, LOOP, HINGED
SEE NOTE 2	10		72	1010400-2	CLAMP, LOOP, HINGED
			71		
SEE NOTE 2	5		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2	7		69	1010400-1	CLAMP, LOOP, HINGED
	1		68	2900919	BRACKET, ELEC, CONNECTOR (INSEP ASSY)
SEE NOTE 2	2		67	1006783-56	SCREW, BUTTON HD
	2		66	1006783-22	
	65		65	1006783-26	
SEE NOTE 2	8		64	1006783-27	SCREW, BUTTON HD
			63		
	26		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
	6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
			60		
	17		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
	50		58	-12	
	22		57	-11	
	29		56	MS16996-10	
	12		55	MS16995-28	
	~~4~~		54	~~MS16995-27~~	~~SCREW CAP HEX SOCKET HD~~
			53		
	21		52	MS16995-25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2	56		51	1012525-002	NUT-HEX, LIGHT, THIN
	31		50	AN960C416	(1897006-042) WASHER, FLAT
	55		49	AN960C10	(1897006-017) WASHER, FLAT
	4		48	MS16555-648	PIN, STRAIGHT
	21		47	AN960C8	(1897006-028) WASHER, FLAT

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	2		46	MS172246	NUT, SPANNER
	1		45	1900635	GEAR, OUTPUT
	1		44	1900634	CAP, BEARING
	1		43	1900633	CAP, BEARING
	1		42	1900627	RETAINER, BEARING
	1		41	1900626	RETAINER, BEARING
	2		40	1900625	CARTRIDGE, BEARING
	2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2	2		38	1016093-001	PIN, STEP DOWEL
	2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
	8		36	1015826-403	SCREW, FLAT HD.
	13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2	6		34	1010630-28	SCREW, FLAT HD.
	24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2	15		32	1006783-44	SCREW, BUTTON HD.
	6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2	56		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2	2		29	1006674-5	BOLT, EYE
	1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
	20		27	2900721	SPACER SLEEVE
	1		26	2900684-011	COLDPLATE, PEA
	2		25	2900651	SHAFT, SHOULDERED
	2		24	MS172211	WASHER, KEY, BEARING RETAINER
	1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
	1		22	2901139	LEAD, ELECTRICAL
	2		21	2900647	TRACK, SLIDING
SEE NOTE 2	3		20	1010400-7	CLAMP, LOOP, HINGED
	1		19	2900902	BRACKET, ELEC. CONNECTOR
	1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2	2		17	1010400-4	CLAMP, LOOP, HINGED
	1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
	1		15	2900893	PLATE, MOUNTING, R.H (INSEP ASSY)
	1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
	1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
	1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
	1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
	~~18~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
	1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
	1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
	1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
	1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
	1		5	2900629	CRADLE, G&N FIXTURE, MATCHED
	1		4	2900612-021	COLDPLATE CGC/LGC
	1		3	2900611-011	COLDPLATE CDU
	1		2	2900499	SPACER, PEA
	14		1	2900430-002	SCREW, CAP, SOCKET HD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.A. Blehm 15 OCT 65 DATE
CHECKED Wilson 15 OCT 65
APPROVAL 25 OCT 65
APPROVAL 3/1/66
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK II

CODE IDENT NO 99974
SIZE J2
2900673
SCALE 1:
SHEET 1 OF 3

2900673 G

24

2900673 G

2/2900673

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

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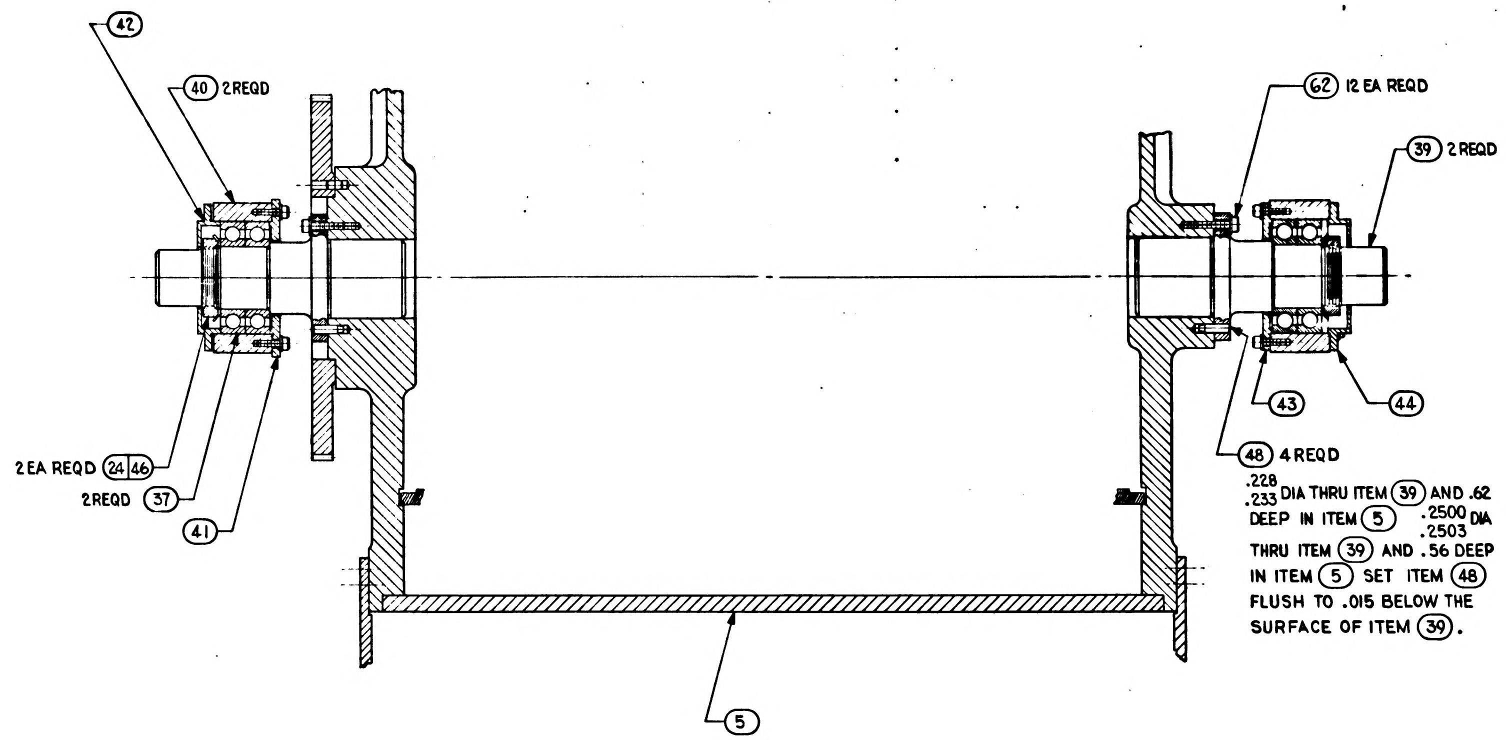
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.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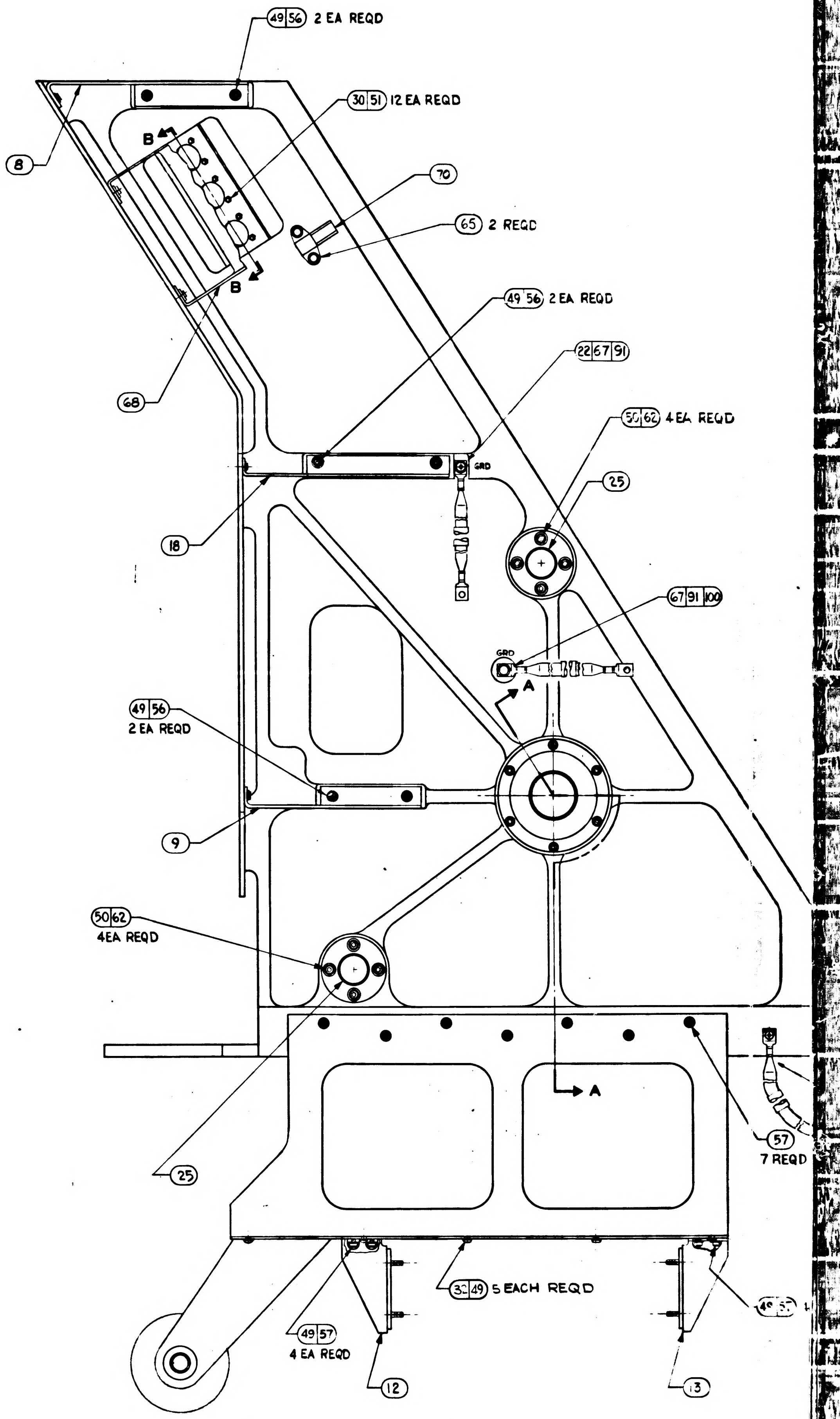
(40) 2 REQD
(62) 12 EA REQD
(39) 2 REQD
2 EA REQD (24)(46)
2 REQD (37)
(41)
(43)
(44)
(48) 4 REQD
.228/.233 DIA THRU ITEM (39) AND .62 DEEP IN ITEM (5) .2500/.2503 DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).
(5)

PARTIAL SECTION A-A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(8)
B
B
(70)
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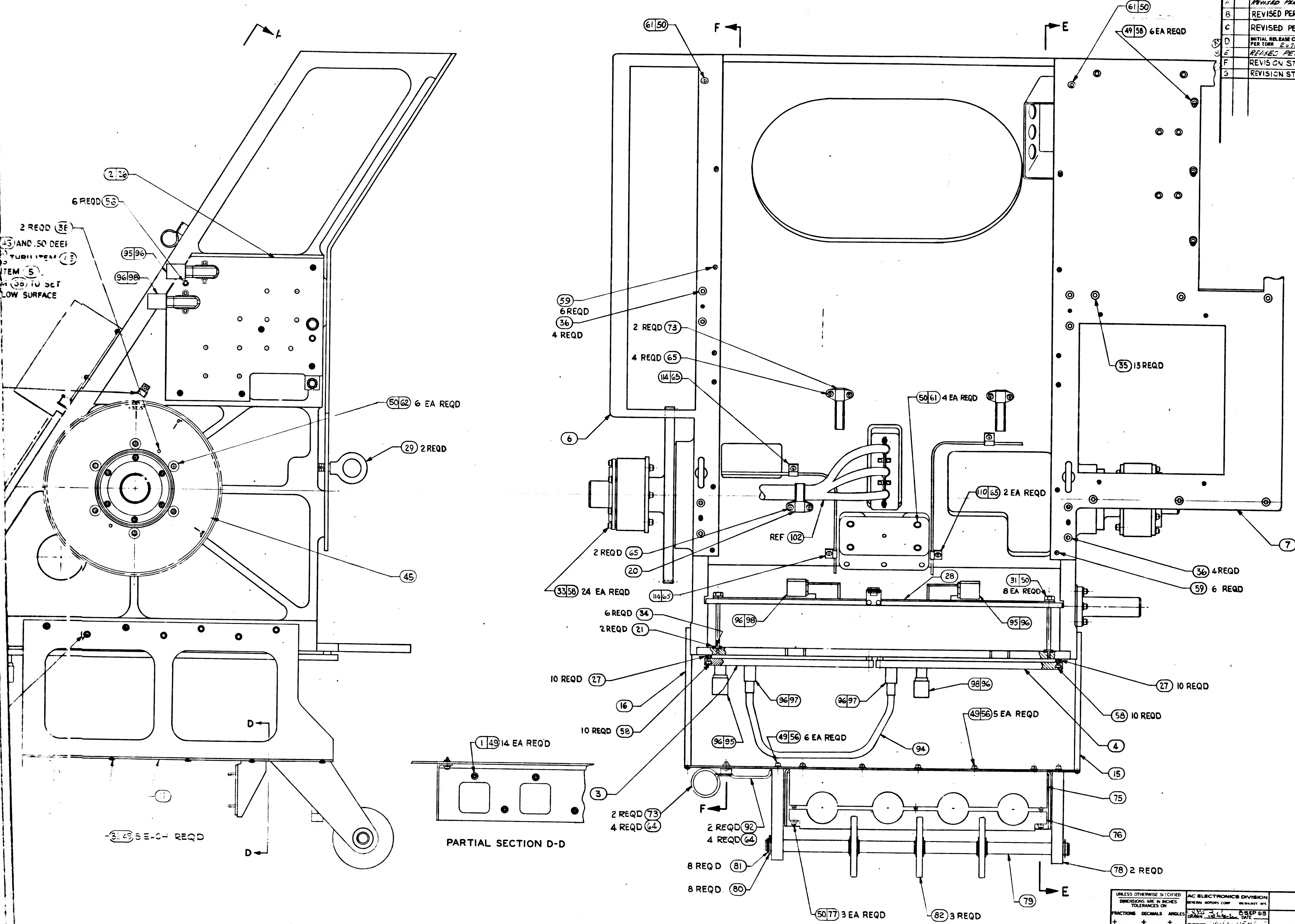
(49)(56) 2 EA REQD
(22)(67)(91)
(68)
(50)(62) 4 EA REQD
GRD
(25)
(18)
(67)(91)(100)
GRD
A
(49)(56) 2 EA REQD
(9)
(50)(62) 4 EA REQD
A
(25)
(57) 7 REQD
(30)(49) 5 EACH REQD
(49)(57) 4 EA REQD
(12)
(13)

2900673	REV	SH 1

17 2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61251		2 JAN 65	
B		REVISED PER MXC 208364		2 [illegible] 66	
C		REVISED PER MXC 208955		10 FEB 66	J.E.S.
D		INITIAL RELEASE CLASS A PER TDRR 20766		11 FEB 66	
E		REVISED PER TDRR2772		13 APR 66	
F		REVISION STATUS CHG D		23 MAY 66	
G		REVISION STATUS CHANGED		23 [illegible] 66	



F
E
(61)(50)
(49)(58) 6 EA REQD
(2)(26)
6 REQD (58)
2 REQD (38)
(45) AND .50 DEEP
THRU ITEM (45)
ITEM (5)
(38) TO SET
LOW SURFACE
(95)(96)
(96)(98)
(50)(62) 6 EA REQD
(29) 2 REQD
(45)
D
D
-(3)(45) 5 EACH REQD
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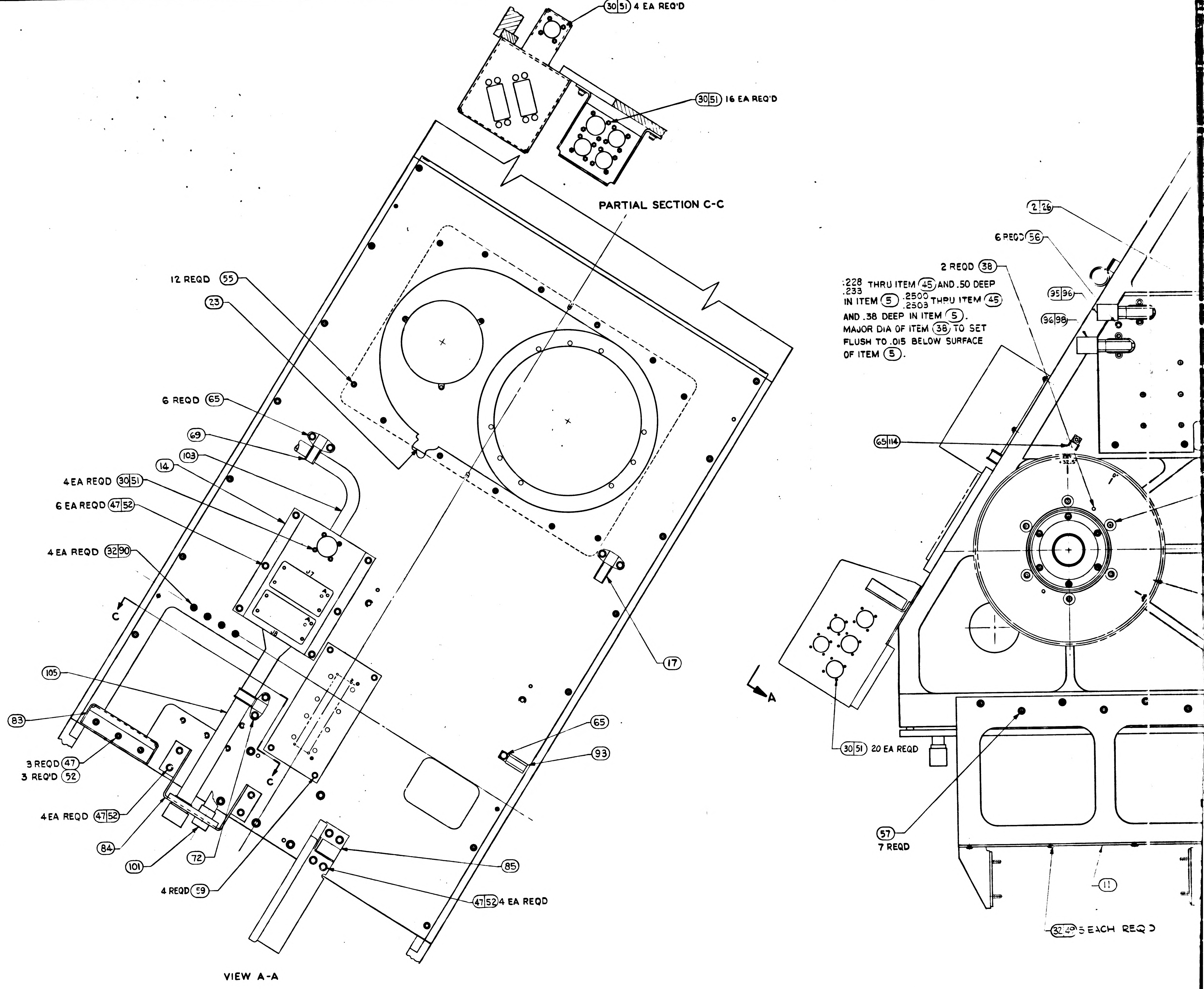
(36) 4 REQD
(59) 6 REQD
6 REQD (34)
2 REQD (21)
(96)(98)
(95)(96)
10 REQD (27)
(27) 10 REQD
(16)
(96)(97)
(96)(97)
(98)(96)
10 REQD (58)
(58) 10 REQD
(4)
(96)(95)
(49)(56) 6 EA REQD
(49)(56) 5 EA REQD
(94)
(15)
(3)
2 REQD (73)
4 REQD (64)
2 REQD (92)
4 REQD (64)
(75)
(76)
(78) 2 REQD
8 REQD (81)
8 REQD (80)
(50)(77) 3 EA REQD
(82) 3 REQD
(79)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + — − DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
DO NOT SCALE THIS DRAWING	DRAWN Baker DATE 8 SEP 65 CHECKED Wilson 15 Oct 65 APPROVAL [illegible] APPROVAL Feldman 3/1/66	CRADLE ASSEMBLY, G AND N FIXTURE BLOCK II			
MATERIAL —	NASA APPROVAL [illegible]	CODE IDENT NO. 99974	SIZE J_2	2900673	
CONTRACT NAS 9-497	MIT APPROVAL [illegible]	SCALE 1:2			SHEET 2 OF 3

00673 G 2

24

2729006673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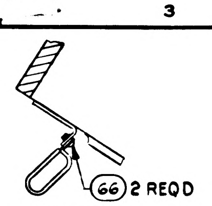
(30|51) 16 EA REQ'D
PARTIAL SECTION C-C
12 REQD (55)
(23)
6 REQD (65)
(69)
(103)
(14)
4 EA REQD (30|51)
6 EA REQD (47|52)
4 EA REQD (32|90)
C
(17)
(105)
(83)
3 REQD (47)
3 REQ'D (52)
4 EA REQD (47|52)
(84)
(101)
(72)
4 REQD (59)
C
(65)
(93)
(85)
(47|52) 4 EA REQD
VIEW A-A
A
(2|26)
6 REQD (56)
2 REQD (38)
.228/.233 THRU ITEM (45) AND .50 DEEP IN ITEM (5) .2500/.2503 THRU ITEM (45) AND .38 DEEP IN ITEM (5). MAJOR DIA OF ITEM (38) TO SET FLUSH TO .015 BELOW SURFACE OF ITEM (5).
(95|96)
(96|98)
(65|114)
(30|51) 20 EA REQD
(57) 7 REQD
(11)
(32|40) 5 EACH REQ'D
16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A

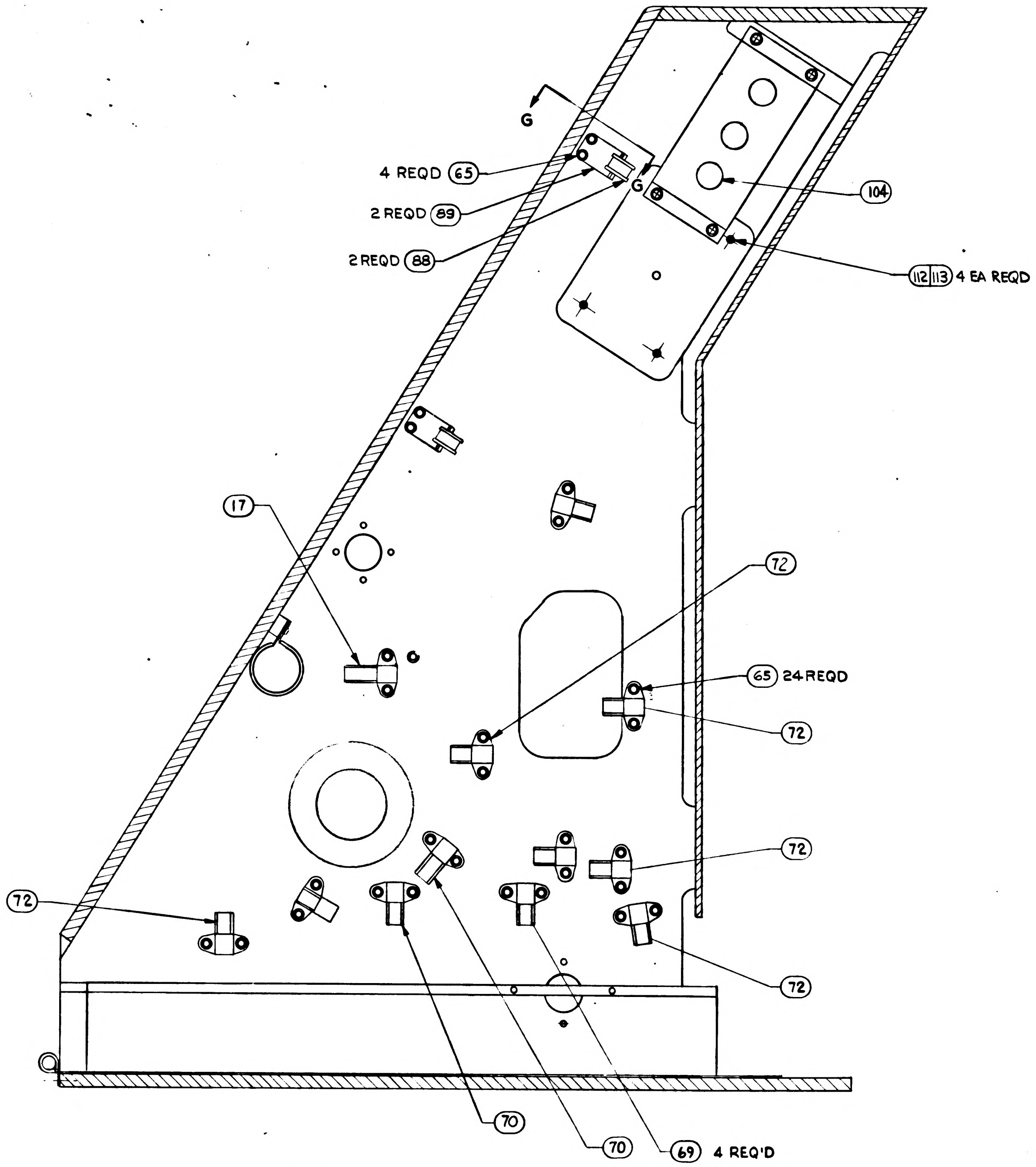
2900673	REV LTR G	SH 2

1/2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. W251		2 JAN 65	EF
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 27721		13 APR 66	H.G
F		REVISION STATUS CHGD		23 MAY 66	D-G
G		REVISION STATUS CHANGED		[illegible]	EF

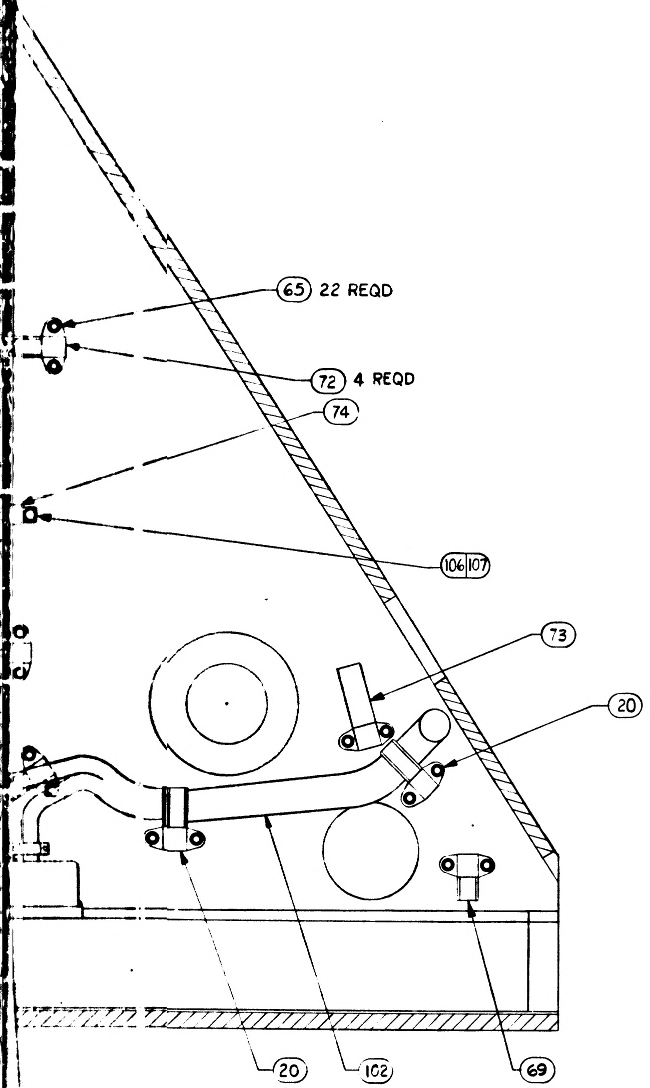


PARTIAL SECTION G-G



G
G
4 REQD 65
2 REQD 69
2 REQD 88
104
112 113 4 EA REQD
17
72
65 24 REQD
72
72
72
72
70
70
69 4 REQ'D

PARTIAL SECTION E-E



65 22 REQD
72 4 REQD
74
106 107
73
20
20
102
69

PARTIAL SECTION F-F

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. BECKER DATE 15 OCT 65
CHECKED C. WILSON 15 OCT 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G&N FIXTURE BLOCK II

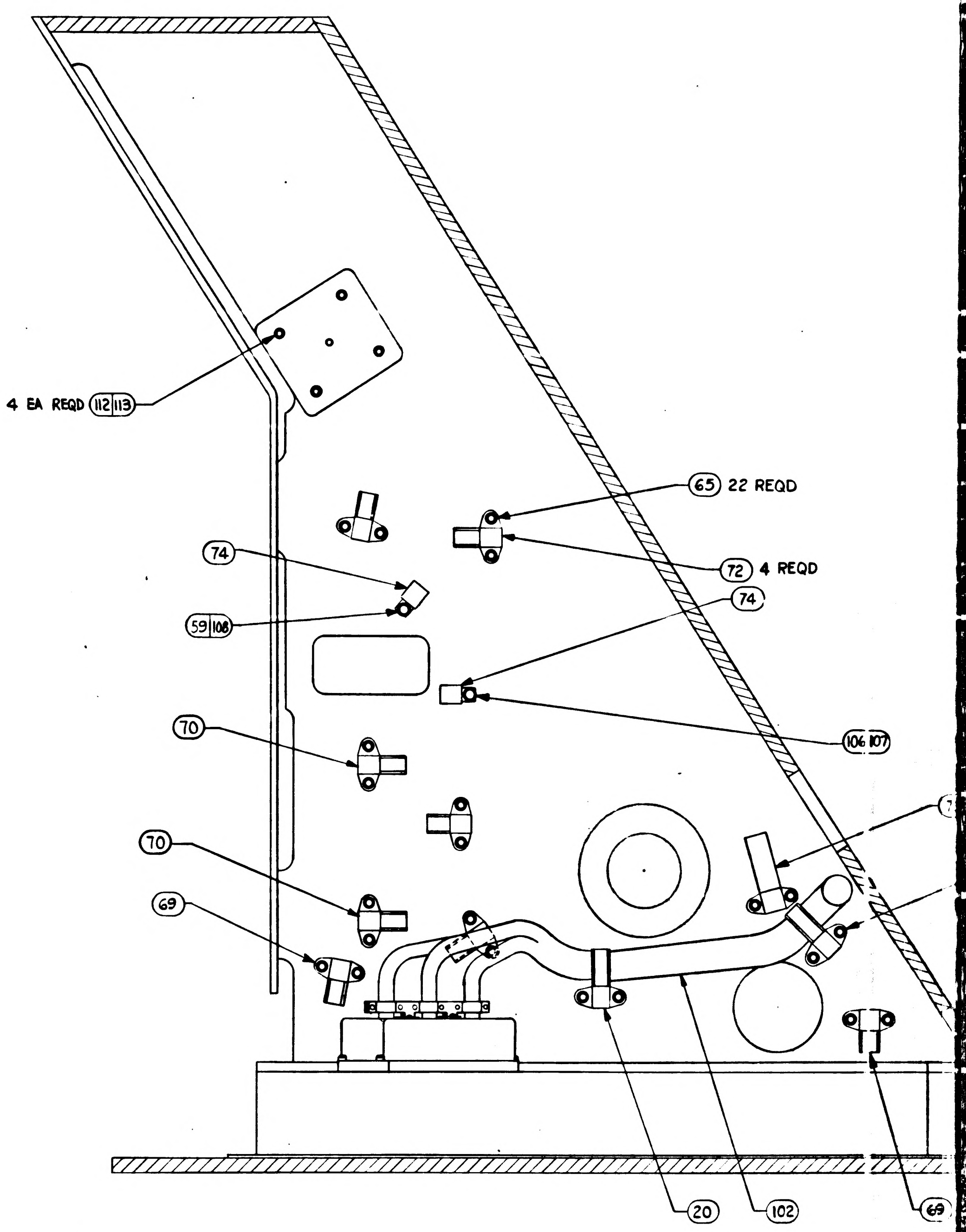
SIZE J2
CODE IDENT NO. 99974
2900673
SCALE 1:2
SHEET 3 OF 3

2900673 G

2900673

900673

2/2900673


4 EA REQD (112)(113)
(65) 22 REQD
(72) 4 REQD
(74)
(59)(108)
(74)
(106)(107)
(70)
(70)
(69)
(20)
(102)
(69)

PARTIAL SECTION F-F

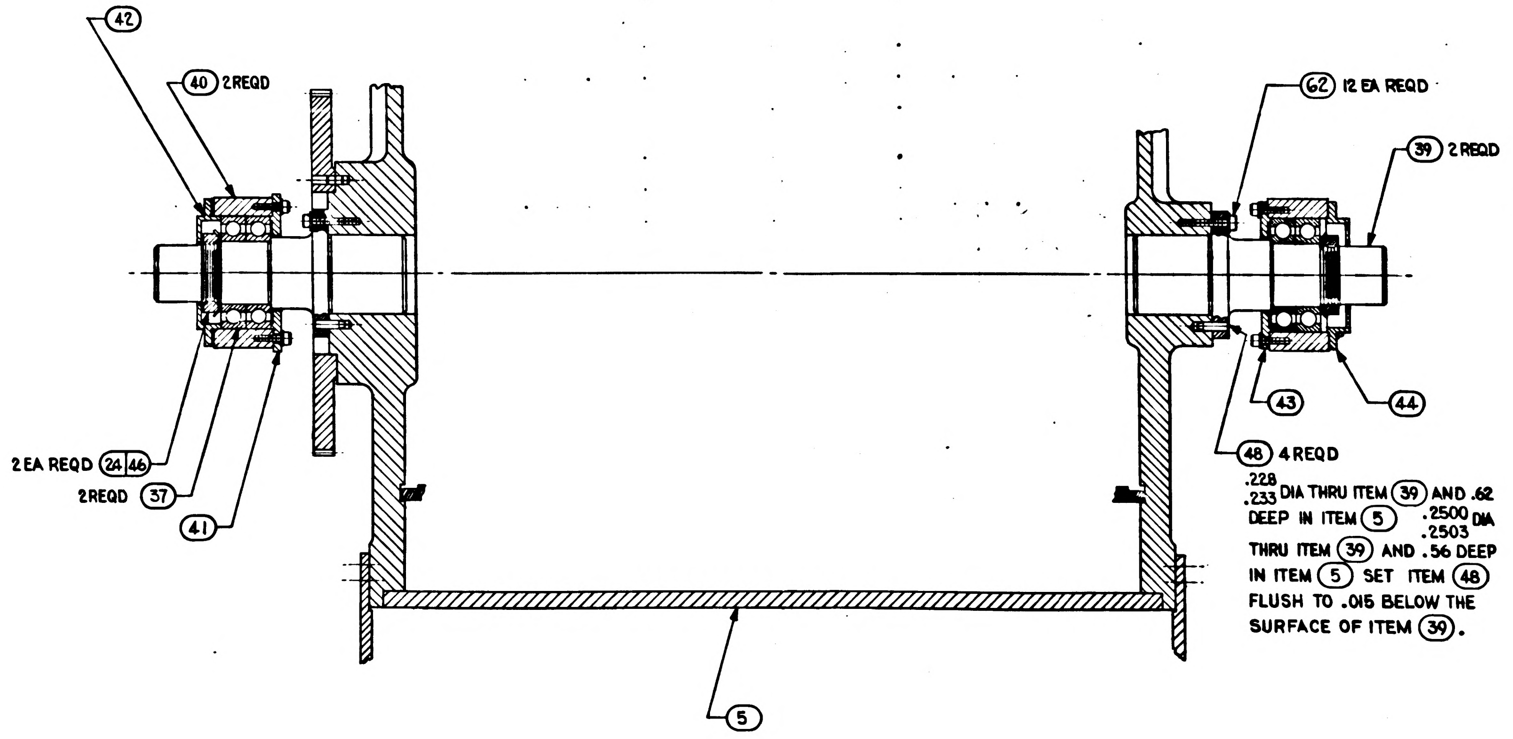
2900673	REV LTR [illegible]	SH 3

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
3. THE FOLLOWING ITEMS SHALL BE FURNISHED AS LOOSE PARTS WITH THIS ASSEMBLY. THE CONFIGURATION OF THESE ITEMS IS NOT SHOWN.

USAGE	QUAN.	ITEM
BELLOWS GUARD TO BELLOWS	6	56

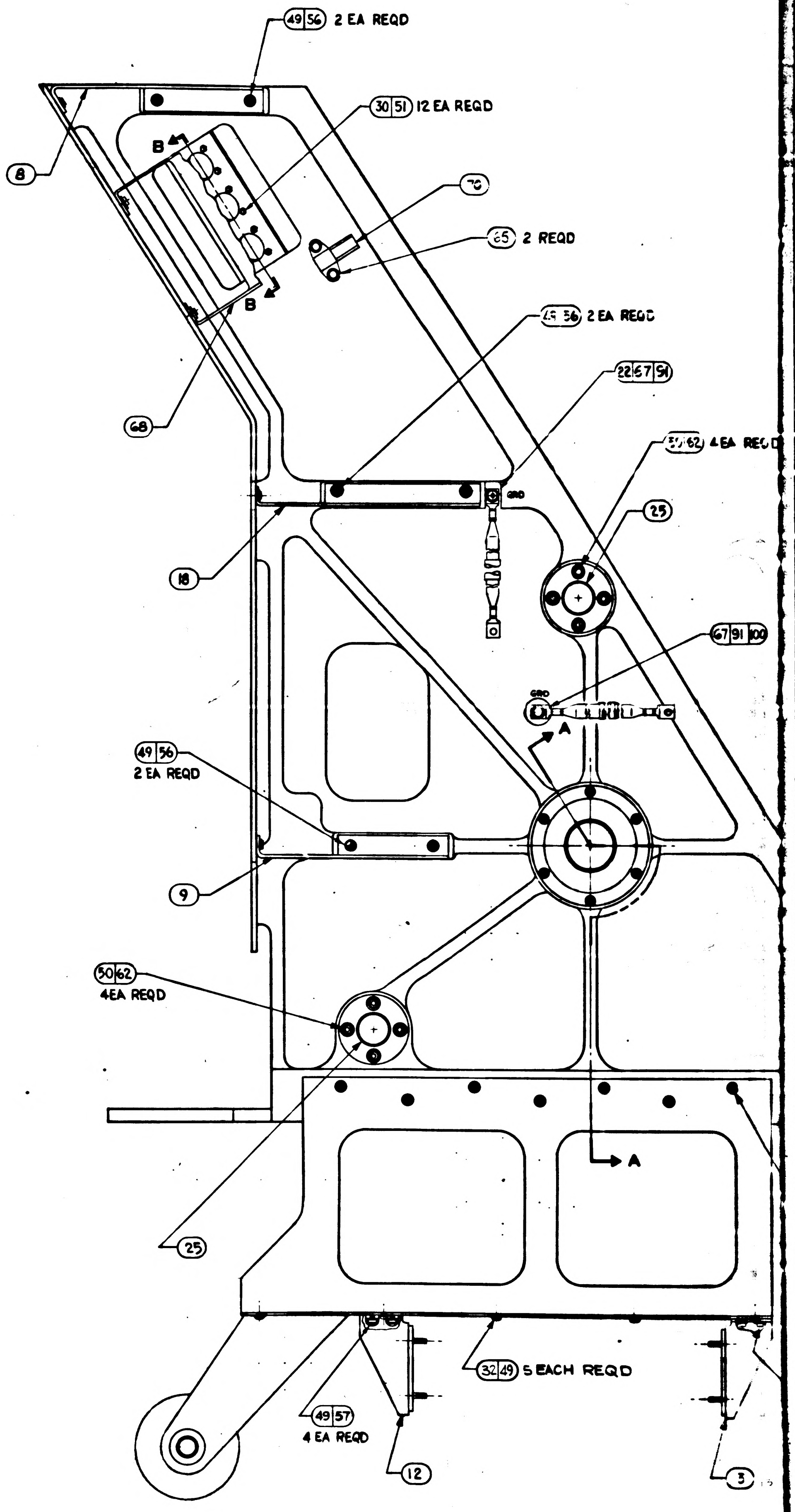
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" AND APPLICABLE DASH NUMBER, PER MIL-STD-130 (ES-267)
5. INSTALLATION OF QUICK DISCONNECT COUPLING HALVES:
   A. APPLY A THIN FILM OF ITEM (109) TO ENTIRE SURFACE OF ITEM (96).
   B. INSTALL ITEM (95), (97) AND ITEM (98) WITH A TORQUE OF 65-75 IN. LBS.



(42)
(40) 2 REQD
2 EA REQD (24|46)
2 REQD (37)
(41)
(62) 12 EA REQD
(39) 2 REQD
(43)
(44)
(48) 4 REQD
(5)

$\frac{.228}{.233}$ DIA THRU ITEM (39) AND .62 DEEP IN ITEM (5) $\frac{.2500}{.2503}$ DIA THRU ITEM (39) AND .56 DEEP IN ITEM (5) SET ITEM (48) FLUSH TO .015 BELOW THE SURFACE OF ITEM (39).

PARTIAL SECTION A-A



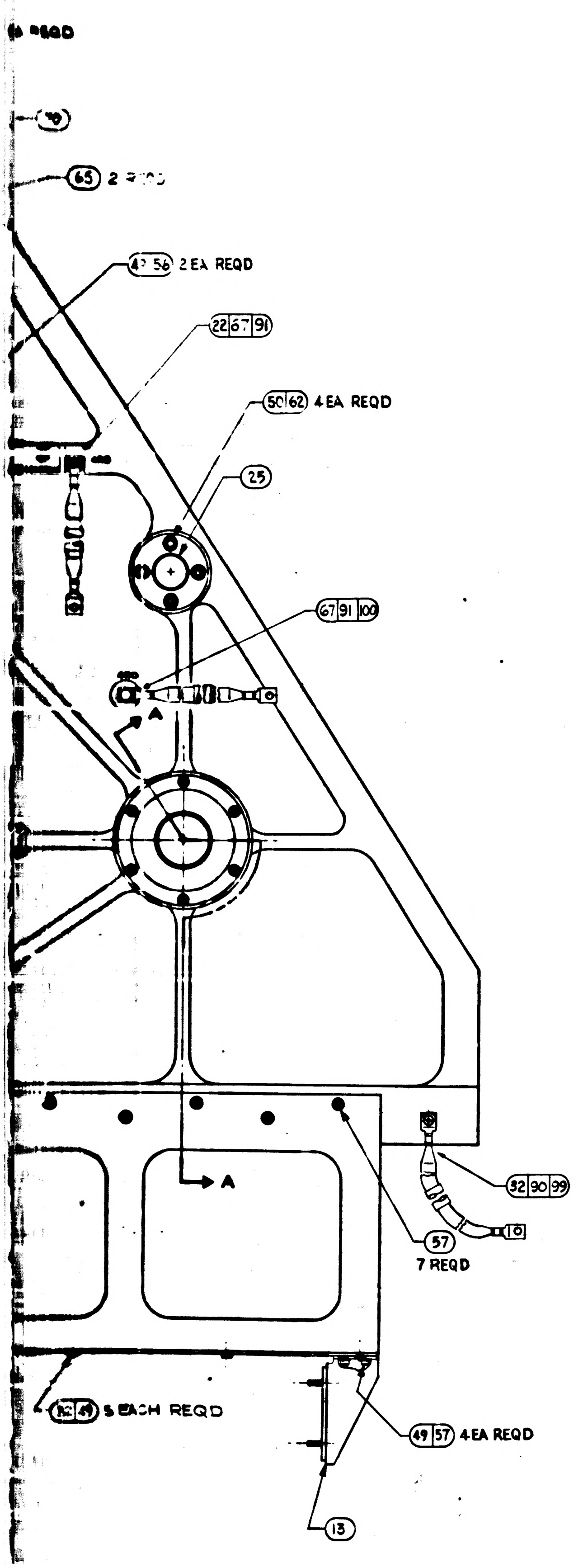
(49|56) 2 EA REQD
(30|51) 12 EA REQD
(8)
B
B
(70)
(65) 2 REQD
(49|56) 2 EA REQD
(22|67|51)
(68)
(50|62) 4 EA REQD
(25)
(18)
GRD
(67|91|100)
GRD
A
(49|56) 2 EA REQD
(9)
(50|62) 4 EA REQD
A
(25)
(32|49) 5 EACH REQD
(49|57) 4 EA REQD
(12)
(3)

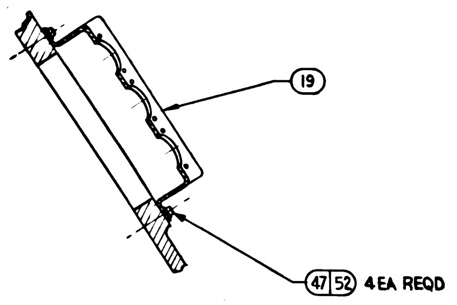
2H

2900673	REV LTR L	SH 1

1/2900673

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61257		2 JAN 66	
B		Revised Per MXC 208364		21 JAN 66	J.H.P. JAC
C		REVISED PER MXC 208955		10 FEB 66	
(M) D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB 66	JJJ
(M) E		REVISED PER TDRR 27721		15 MAR 66	MG
(M) F		REVISED PER TDRR 28908		23 MAR 66	PHG CP
(M) G		REVISED PER TDRR 29708		66	
H		REVISED PER TDRR 33556		9	





PARTIAL SECTION B-B

			021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		
			1	–		115	2901601	WIRE HARNESS B
			3	3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
			8	8		113	AN960C516L	(1897006-053) WASHER, FLAT
			8	8		112	MS35308-332	SCREW-CAP HEX. HD
			~~—~~	~~6~~		~~111~~	~~MS16995-52~~	~~SCREW, CAP~~
			2	2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
			AR	AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
			1	1		108	NAS 1057T3-050	(1896919-001) SPACER
			1	1		107	NAS 1057T3-100	(1896919-002) SPACER
			1	1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
			1	1		105	2900666	WIRE HARNESS E
			1	1		104	2900925	D
			1	1		103	2900924	C
			—	1		102	2900915	B
			1	1		101	2900753	WIRE HARNESS A
			1	1		100	2901141	LEAD, ELECTRICAL
			1	1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2			3	3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
			2	2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2			8	8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2			3	3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
			1	1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2			1	1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2			2	2		92	1897193-001	STRAP, RETAINING
			2	2		91	MS35333-74	WASHER, LOCK
			5	5		90	MS35333-73	WASHER, LOCK
			2	2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2			2	2		88	1008807-001	CLAMP, LOOP CUSHIONED
			–	~~12~~		~~87~~	~~MS16995-53~~	~~SCREW, CAP~~
			–	~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
			1	1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
			1	1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
			1	1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
			3	3		82	2900938	WHEEL, CABLE GUIDE
			8	8		81	MS16624-4075	RING, RETAINING
			8	8		80	AN960C1216L	(1897006-123) WASHER, FLAT
			1	1		79	2900939	SHAFT, CABLE GUIDE
			2	2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
			3	3		77	2900941	SCREW, CAP SOCKET HD
			1	1		76	2900942	CLAMP, CABLE, LOWER HALF
			1	1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
			2	2		74	MS21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2			5	5		73	1010400-11	CLAMP, LOOP, HINGED
SEE NOTE 2			10	10		72	1010400-2	CLAMP, LOOP, HINGED
						71		
SEE NOTE 2			5	5		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2			7	7		69	1010400-1	CLAMP, LOOP, HINGED
			1	1		68	2900919	BRACKET, ELEC, CONNECTOR (INSEP ASSY)
SEE NOTE 2			2	2		67	1006783-56	SCREW, BUTTON HD
			2	2		66	1006783-22	
			65	65		65	1006783-26	
SEE NOTE 2			8	8		64	1006783-27	SCREW, BUTTON HD
						63		
			26	26		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
			6	6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
						60		
			17	17		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
			50	50		58	-12	
			22	22		57	-11	
			29	29		56	MS16996-10	
			12	12		55	MS16995-28	
			–	~~4~~		54	~~MS16995-27~~	~~SCREW CAP HEX SOCKET HD~~
						53		
			21	21		52	MS16995-25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2			56	56		51	1012525-002	NUT-HEX, LIGHT, THIN
			31	31		50	AN960C416	(1897006-[illegible]) WASHER, FLAT
			55	55		49	AN960C10	(1897006-017) WASHER, FLAT
			4	4		48	MS16555-648	PIN, STRAIGHT
			21	21		47	AN960C8	(1897006-028) WASHER, FLAT

			021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		
			2	2		46	MS172246	NUT, SPANNER
			1	1		45	1900635	GEAR, OUTPUT
			1	1		44	1900634	CAP, BEARING
			1	1		43	1900633	CAP, BEARING
			1	1		42	1900627	RETAINER, BEARING
			1	1		41	1900626	RETAINER, BEARING
			2	2		40	1900625	CARTRIDGE, BEARING
			2	2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2			2	2		38	1016093-001	PIN, STEP DOWEL
			2	2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
			8	8		36	1015826-403	SCREW, FLAT HD.
			13	13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2			6	6		34	1010630-28	SCREW, FLAT HD.
			24	24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2			15	15		32	1006783-44	SCREW, BUTTON HD.
			6	6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2			56	56		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2			2	2		29	1006674-5	BOLT, EYE
			1	1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
			20	20		27	2900721	SPACER SLEEVE
			1	1		26	2900684-011	COLDPLATE, PEA
			2	2		25	2900651	SHAFT, SHOULDERED
			2	2		24	MS172211	WASHER, KEY, BEARING RETAINER
			1	1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
			1	1		22	2901139	LEAD, ELECTRICAL
			2	2		21	2900647	TRACK, SLIDING
SEE NOTE 2			3	3		20	1010400-7	CLAMP, LOOP, HINGED
			1	1		19	2900902	BRACKET, ELEC. CONNECTOR
			1	1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2			2	2		17	1010400-4	CLAMP, LOOP, HINGED
			1	1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
			1	1		15	2900893	PLATE, MOUNTING, R.H. (INSEP ASSY)
			1	1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
			1	1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
			1	1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
			1	1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
			~~—~~	~~18~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
			1	1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
			1	1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
			1	1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
			1	1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
			1	1		5	2900629	CRADLE, GEN FIXTURE, MATCHED
			1	1		4	2900612-021	COLDPLATE CGC/LGC
			1	1		3	2900611-011	COLDPLATE CDU
			1	1		2	2900499	SPACER, PEA
			14	14		1	2900430-002	SCREW, CAP, SOCKET HD

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900067-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. A. Blecha 15 OCT 65 DATE
CHECKED Wilson 15 OCT 65
APPROVAL R.C. [illegible] 15 OCT 65
APPROVAL L. Johnson 3/1/66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK II

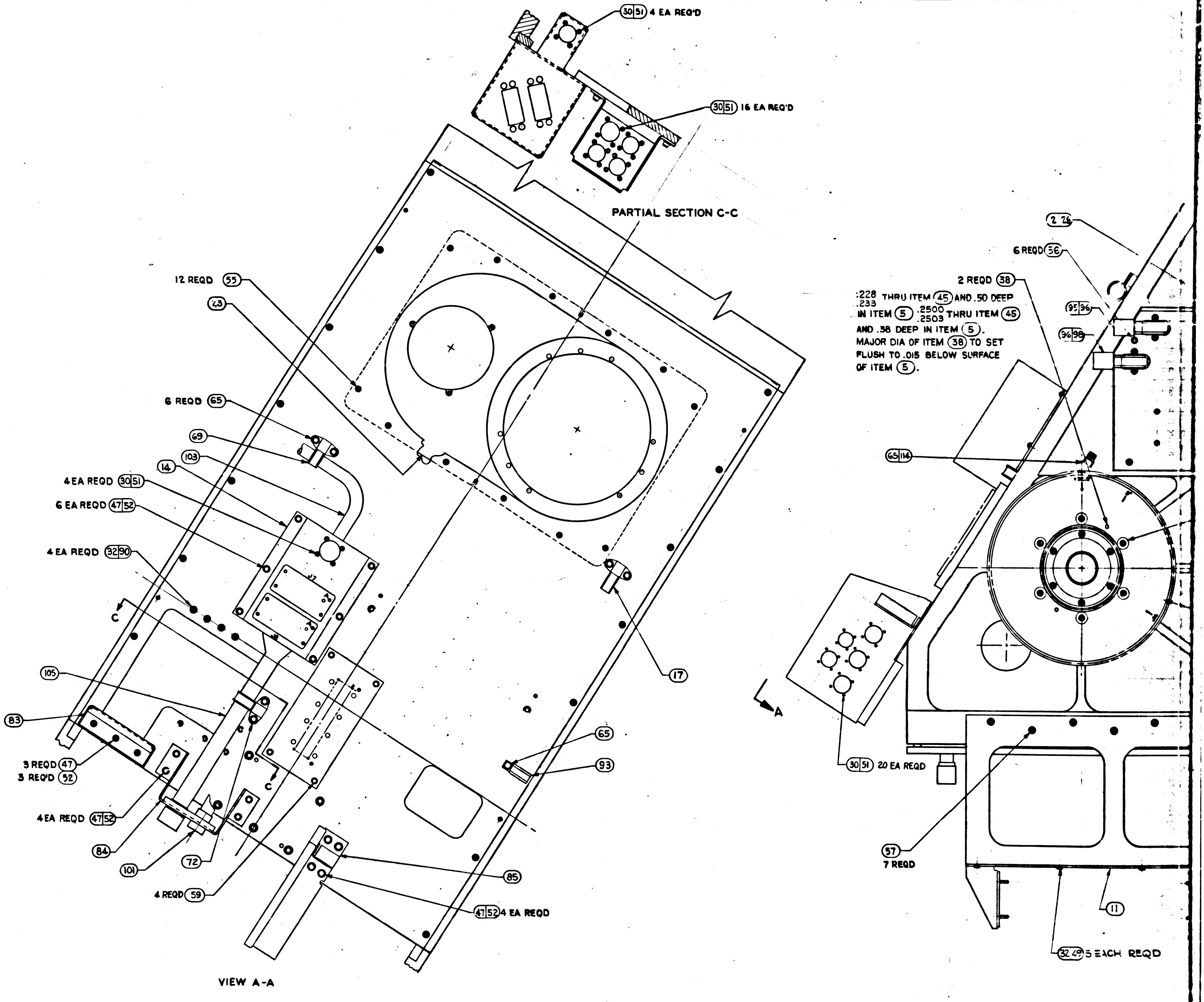
CODE IDENT NO. 99974
SIZE J2
2900673
SCALE 1/1
SHEET 1 OF 2

2900673 H

2H

1900673 REV LTR H SH 1

2/2900673



(30)(51) 4 EA REQ'D
(30)(51) 16 EA REQ'D
PARTIAL SECTION C-C
12 REQD (55)
(43)
6 REQD (65)
(69)
(103)
(14)
4 EA REQD (30)(51)
6 EA REQD (47)(52)
4 EA REQD (32)(90)
C
(105)
(83)
3 REQD (47)
3 REQ'D (52)
4 EA REQD (47)(52)
(84)
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C
4 REQD (59)
(85)
(47)(52) 4 EA REQD
(65)
(93)
(17)
VIEW A-A
A
(2)(26)
6 REQD (56)
2 REQD (38)
(95)(36)
(36)(98)
(65)(114)
(30)(51) 20 EA REQD
(57)
7 REQD
(11)
(32)(49) 5 EACH REQD

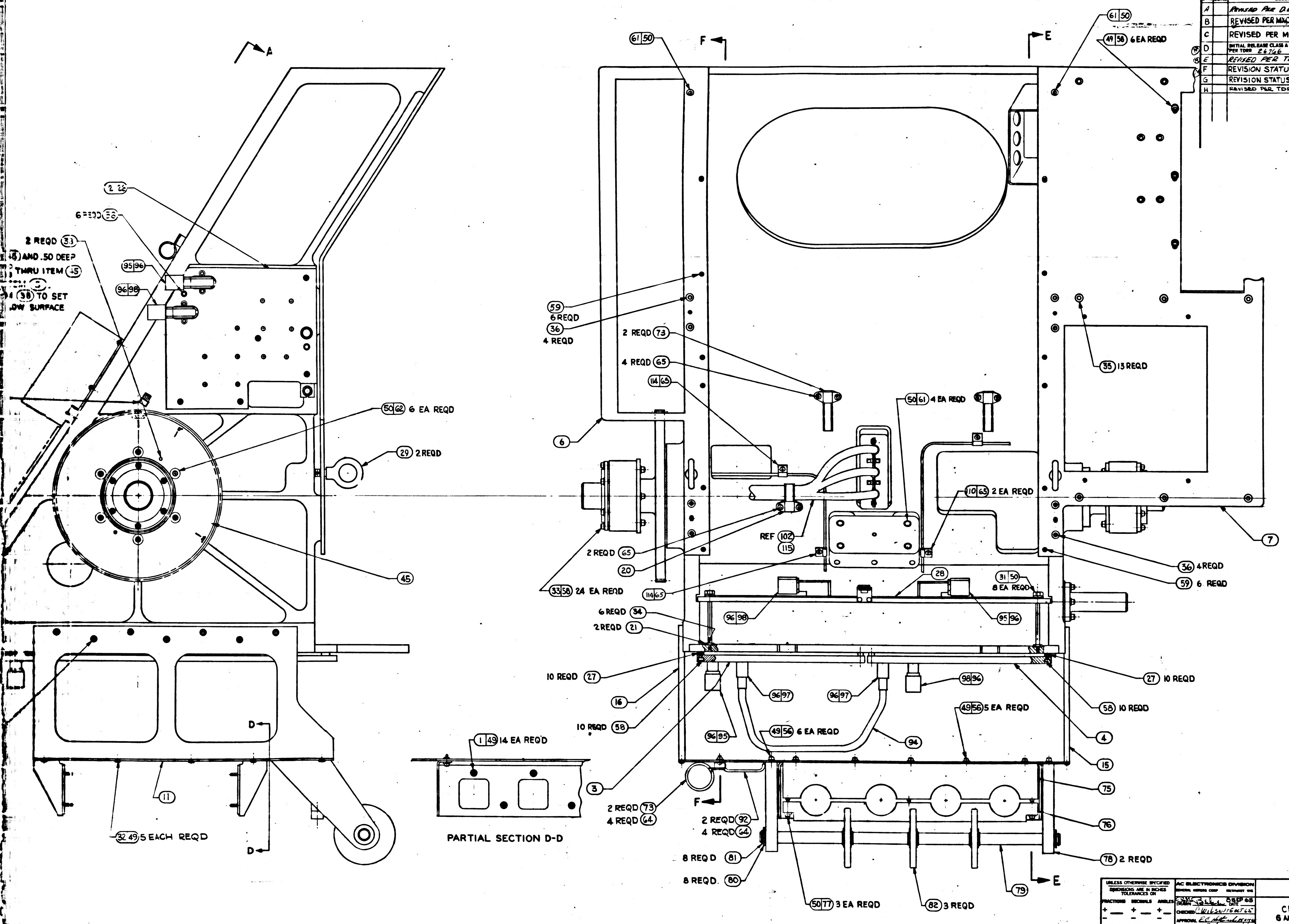
.228/.233 THRU ITEM (45) AND .50 DEEP IN ITEM (5) .2500/.2503 THRU ITEM (45) AND .38 DEEP IN ITEM (5). MAJOR DIA OF ITEM (38) TO SET FLUSH TO .015 BELOW SURFACE OF ITEM (5).

2900673	H	SH 2

1/2900673

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61251		65	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P. TRC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB	
E		REVISED PER TDRR 2772			
F		REVISION STATUS CHG'D		23 MAY	
G		REVISION STATUS CHANGED		29 JUN	
H		REVISED PER TDRR 33556		13	



A
F
E
D
2 26
6 REQD 58
2 REQD 33
45 AND .50 DEEP
THRU ITEM 45
34 38 TO SET
LOW SURFACE
95 96
96 98
50 62 6 EA REQD
29 2 REQD
45
11
32 49 5 EACH REQD
1 49 14 EA REQ'D
PARTIAL SECTION D-D
61 50
49 58 6 EA REQD
59
6 REQD
36
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2 REQD 73
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76
8 REQD 81
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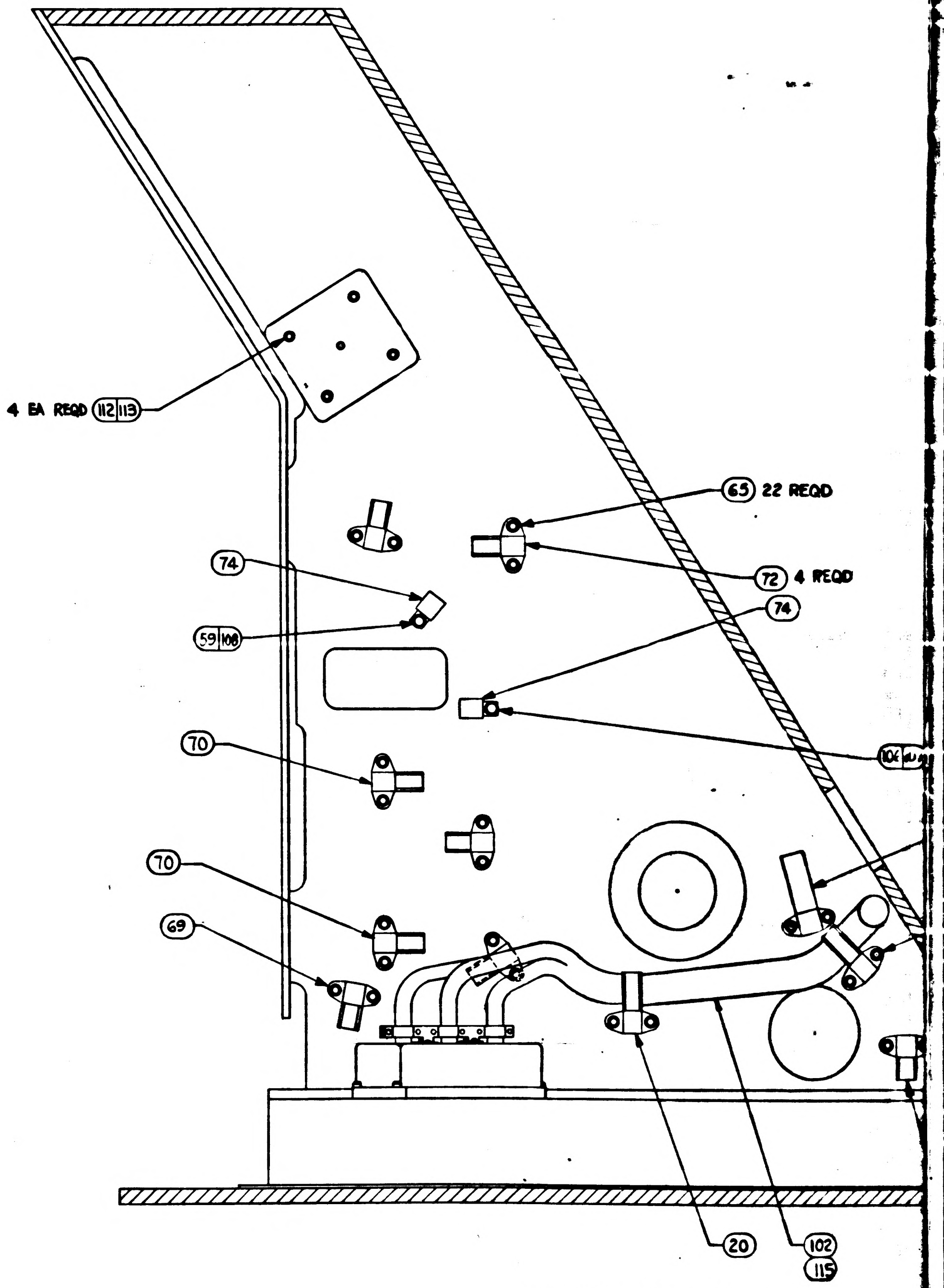
50 77 3 EA REQD
82 3 REQD
79

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN DATE 8 SEP 65 CHECKED C Wilson 15 OCT 65 APPROVAL E.C. [illegible] APPROVAL L. Gehman 3/1/66	CRADLE ASSEMBLY, G AND N FIXTURE BLOCK II
MATERIAL —	NASA APPROVAL A.C. METZGER	CODE IDENT NO. 99974 · SIZE J2 · 2900673
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2 · SHEET 2 OF 3

2900673 H 2

2900673

2X2900673


4 EA REQD 112 113
65 22 REQD
72 4 REQD
74
74
59 108
106
70
70
69
20
102
115

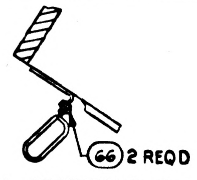
PARTIAL SECTION F-F

24

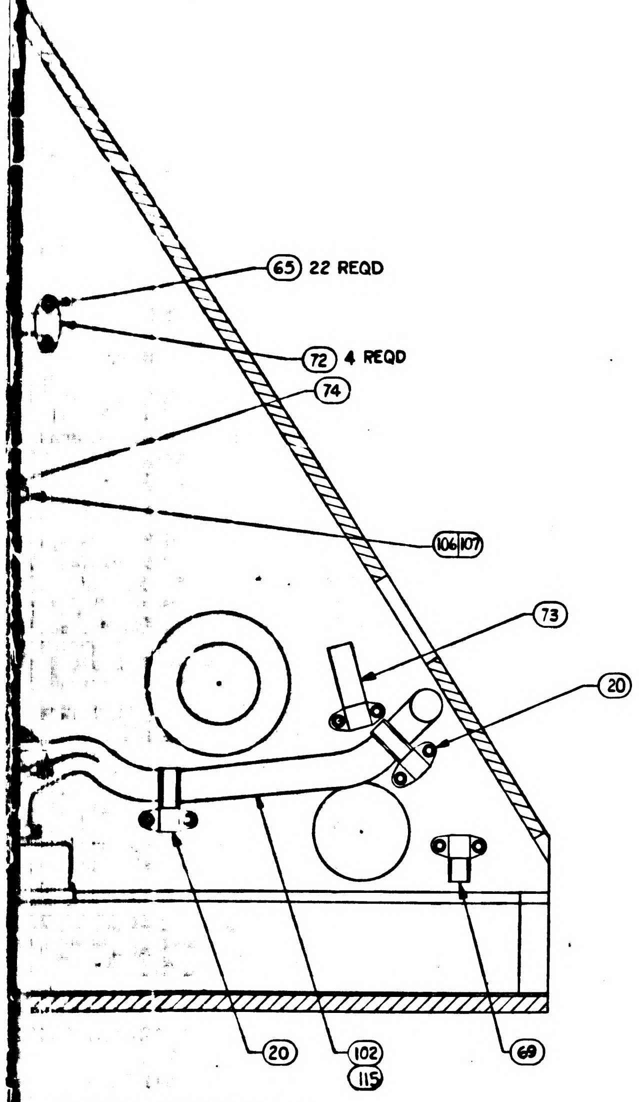
2900673	REV LTR H	SH 3

172900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised per D.O. w RSI		2 JAN 65	EF
B		REVISED PER MXC 208364		21 JAN 66	JRC
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR TDRR 26766		11 FEB 66	
E		REVISED PER TDRR 27721		13 APR 66	
F		REVISION STATUS CHGD		23 MAR 66	DHG
G		REVISION STATUS CHANGED			EF
H		REVISED PER TDRR 33556		19 APR	CPB

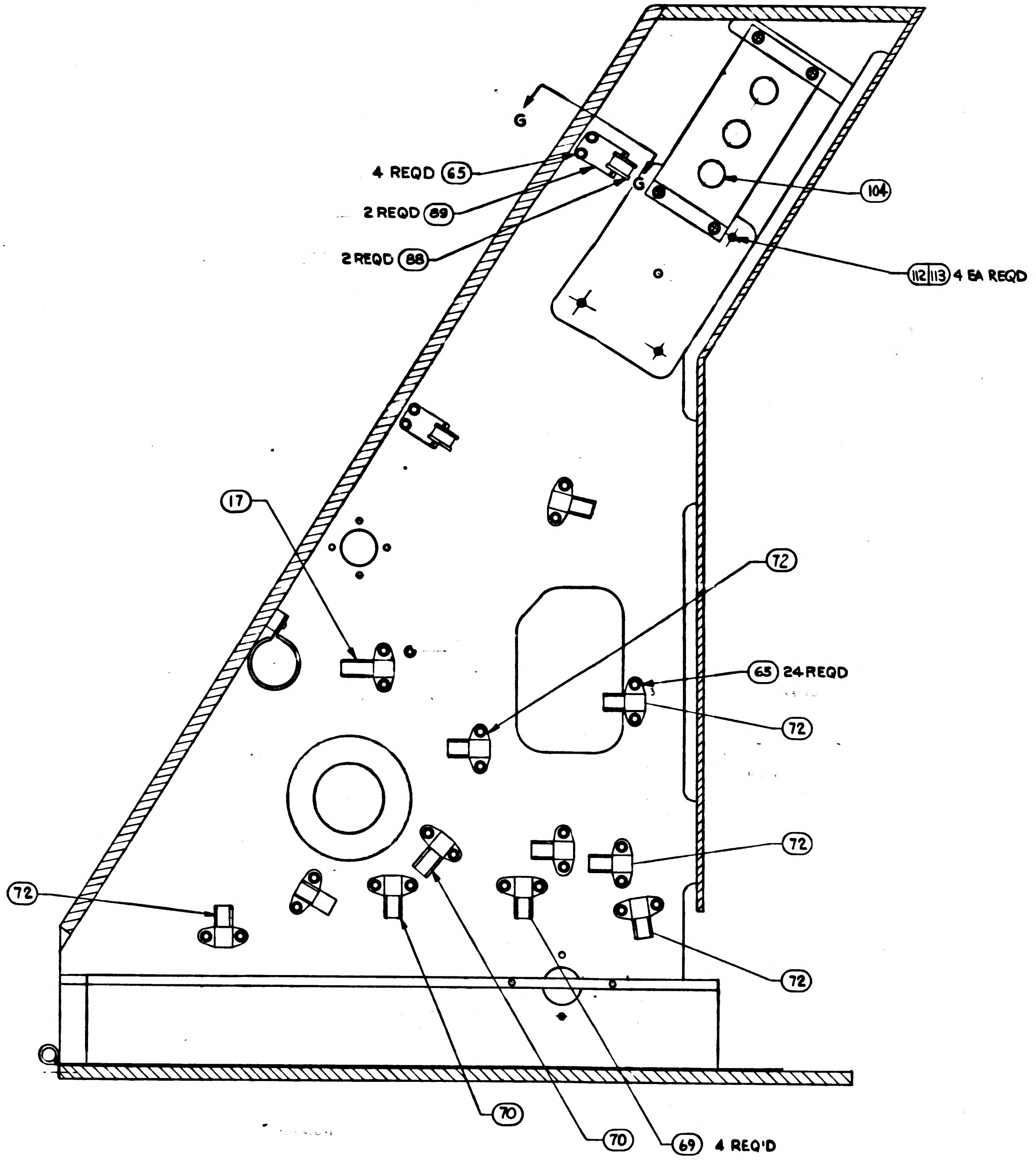


PARTIAL SECTION G-G



(65) 22 REQD
(72) 4 REQD
(74)
(106)(107)
(73)
(20)
(20)
(102)
(115)
(69)

PARTIAL SECTION F-F



G
4 REQD (65)
2 REQD (89)
2 REQD (88)
(104)
(112)(113) 4 EA REQD
(17)
(72)
(65) 24 REQD
(72)
(72)
(72)
(72)
(70)
(70)
(69) 4 REQ'D

PARTIAL SECTION E-E

2900673

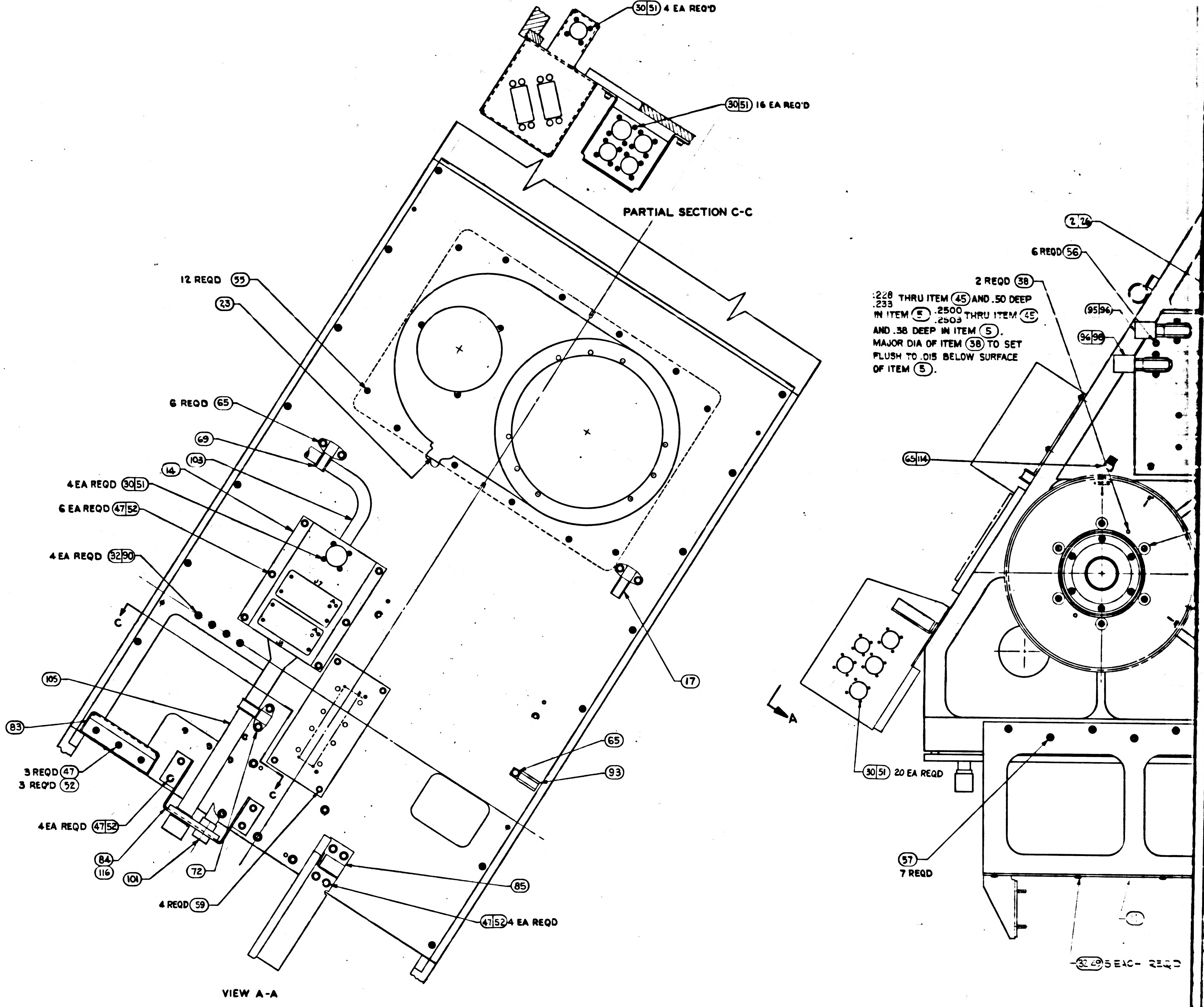
2900673

2H

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DRAWN R. Becker DATE 15 OCT 65 CHECKED C. WILSON 15 OCT 65 APPROVAL CONTRACT NAS 9-497	CRADLE ASSEMBLY, G&N FIXTURE BLOCK II
DO NOT SCALE THIS DRAWING		
MATERIAL —	NASA APPROVAL A.C. METZGER	SIZE J2 · CODE IDENT NO. 99974 · 2900673
APPROVAL	MIT APPROVAL	SCALE 1:2 · SHEET 3 OF 3

2900673 REV LTR H SH 3

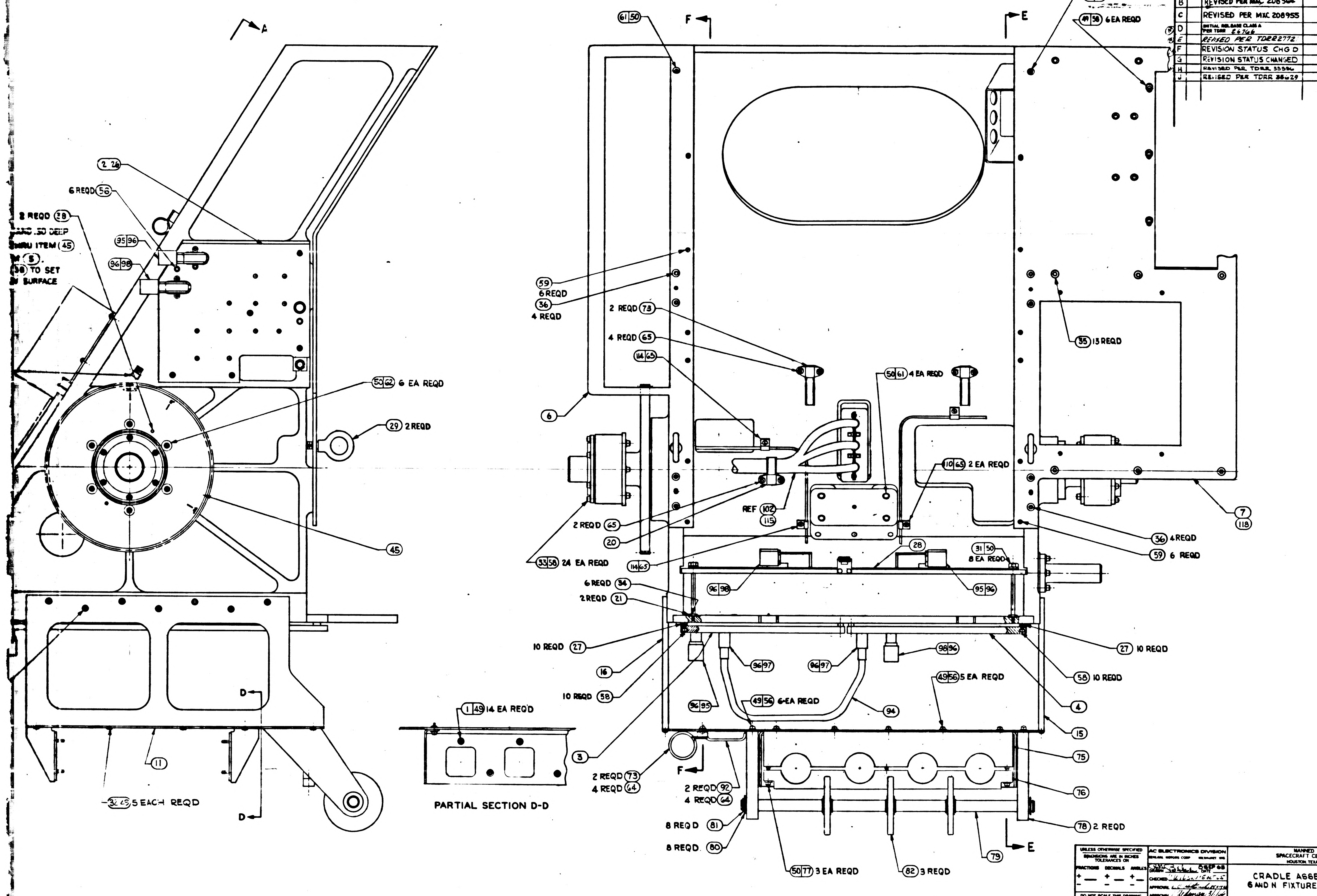
27 2900673


(30|51) 4 EA REQ'D
(30|51) 16 EA REQ'D
PARTIAL SECTION C-C
(2|26)
6 REQD (56)
2 REQD (38)
:228
.233 THRU ITEM (45) AND .50 DEEP
IN ITEM (5) .2500
.2503 THRU ITEM (45)
AND .38 DEEP IN ITEM (5).
MAJOR DIA OF ITEM (38) TO SET
FLUSH TO .015 BELOW SURFACE
OF ITEM (5).
(95|96)
(96|98)
12 REQD (55)
(23)
6 REQD (65)
(69)
(103)
(14)
4 EA REQD (30|51)
6 EA REQD (47|52)
4 EA REQD (32|90)
(65|114)
(17)
C
C
A
(105)
(83)
3 REQD (47)
3 REQ'D (52)
4 EA REQD (47|52)
(84)
(116)
(101)
(72)
4 REQD (59)
(65)
(93)
(85)
(47|52) 4 EA REQD
(30|51) 20 EA REQD
(57)
7 REQD
(32|49) 5 EACH REQD
VIEW A-A

2900673 | REV J | SH 2

1/2900673

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61257		2 Jan 65	
B		REVISED PER MXC 208364		21 JAN 66	J.H.P.
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB	
E		REVISED PER TDRR 2772			
F		REVISION STATUS CHG'D		25 MAY 66	
G		REVISION STATUS CHANGED		28 JUN	
H		REVISED PER TDRR 33586		15 APR	
J		REVISED PER TDRR 36629			



A
2 26
6 REQD 56
2 REQD 38
.50 DEEP
THRU ITEM 45
5
38 TO SET
SURFACE
95 96
96 98
50 62 6 EA REQD
29 2 REQD
45
11
32 45 5 EACH REQD
D
D
1 49 14 EA REQD
PARTIAL SECTION D-D
61 50
F
E
59 6 REQD
36 4 REQD
2 REQD 73
4 REQD 65
114 65
50 61 4 EA REQD
6
61 50
49 58 6 EA REQD
35 13 REQD
110 65 2 EA REQD
REF 102
115
2 REQD 65
20
33 58 24 EA REQD
114 65
28
31 50
8 EA REQD
6 REQD 34
2 REQD 21
96 98
95 96
7
118
36 4 REQD
59 6 REQD
10 REQD 27
16
10 REQD 58
96 97
96 97
98 96
27 10 REQD
58 10 REQD
49 56 5 EA REQD
4
96 95
49 56 6 EA REQD
94
15
3
2 REQD 73
4 REQD 64
F
2 REQD 92
4 REQD 64
75
76
8 REQD 81
8 REQD 80
78 2 REQD
E
79
50 77 3 EA REQD
82 3 REQD

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN DATE 6 SEP 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

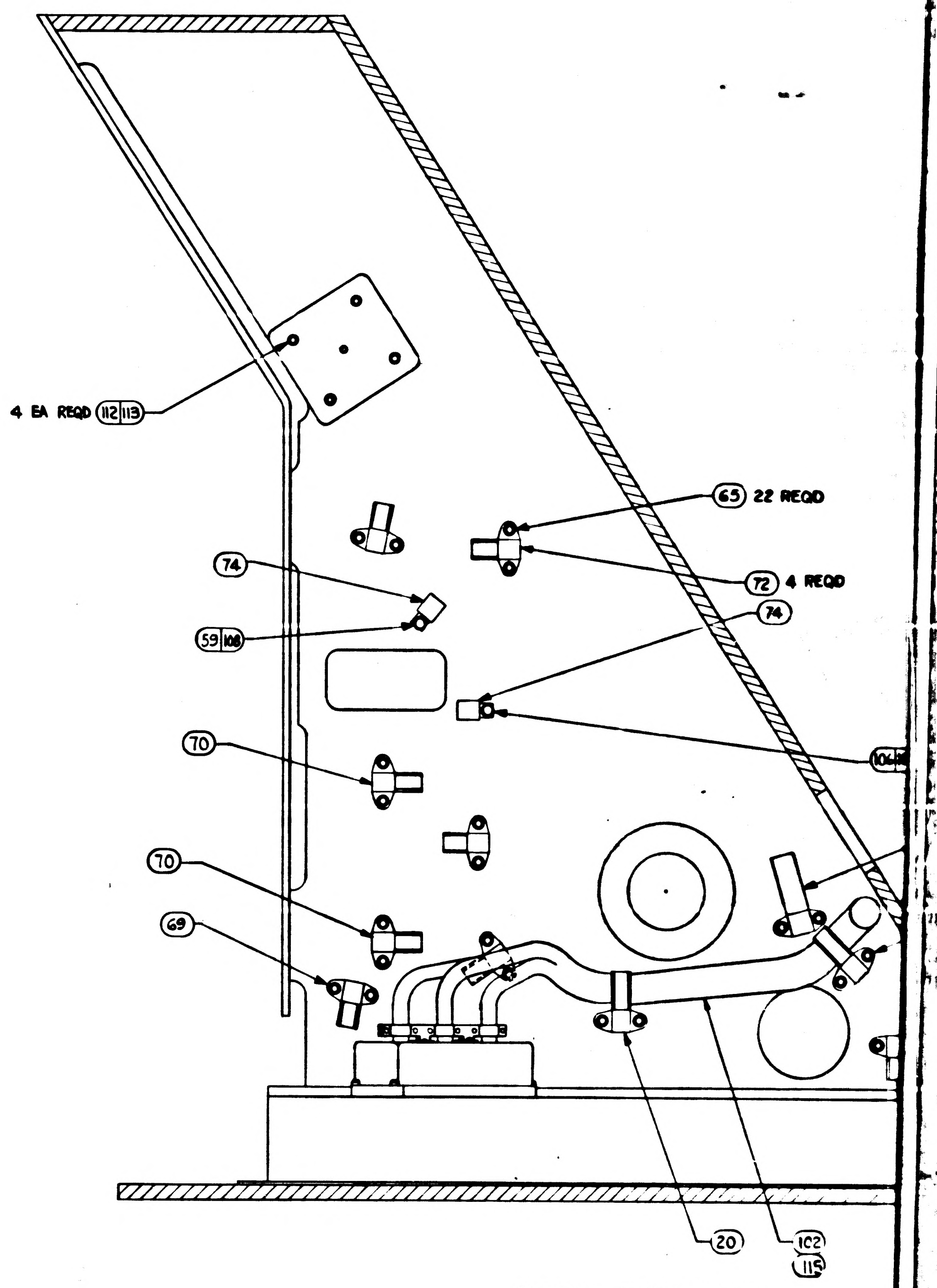
CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK II

CODE IDENT NO 99974
SIZE J2
2900673
SCALE 1:2
SHEET 2 OF 3

2900673 J

00673 REV LTR SH 2

2# 2900673


4 EA REQD 112 113
65 22 REQD
72 4 REQD
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59 108
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102
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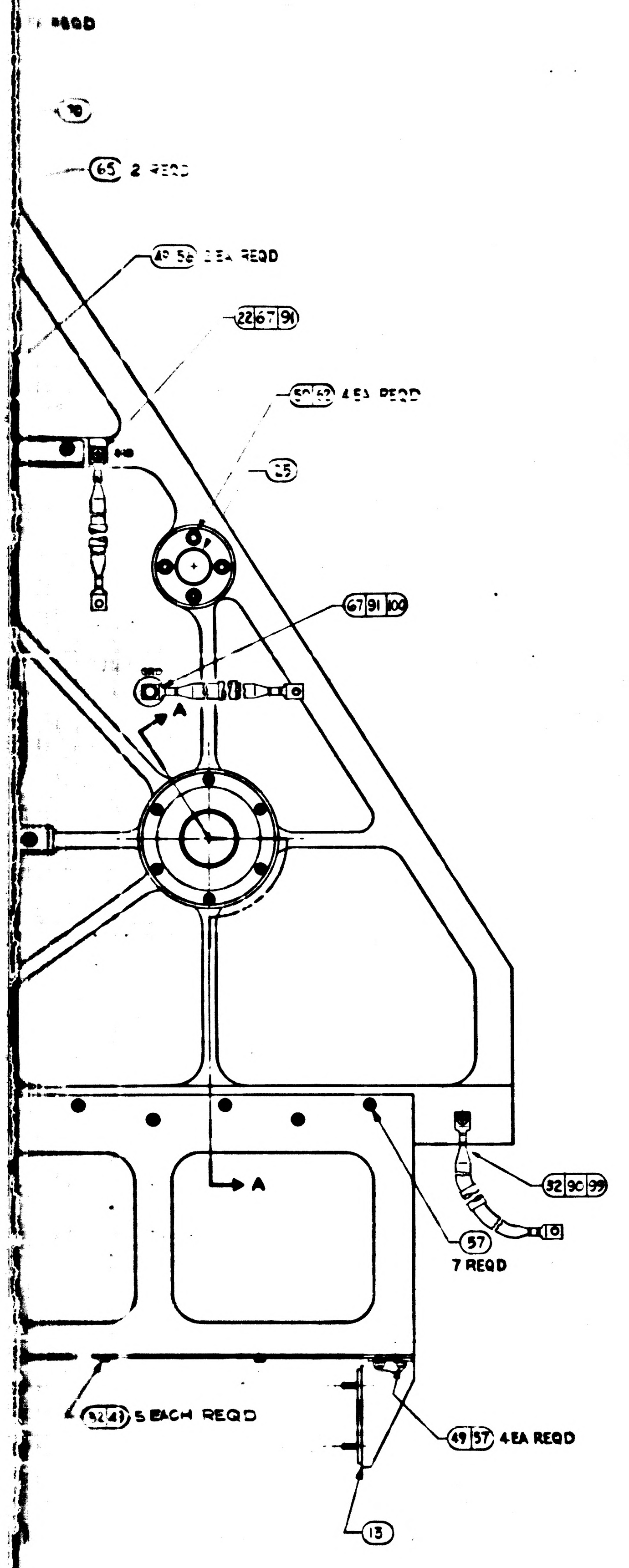
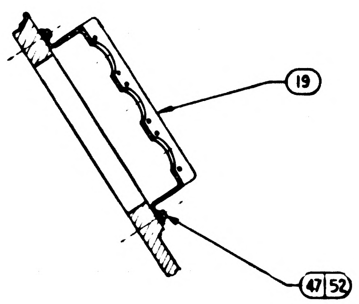
PARTIAL SECTION F-F

2900673	RE/LTR J	SH 3

1/2900673





PARTIAL SECTION B-B

	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	—	—		118	2901617	BRACKET, MOUNTING RT. HAND
	1	—	—		117	2901616	BRACKET, SUPPORT UPPER
	1	—	—		116	2901618	BRACKET, MOUNTING ELEC. CONN.
	1	1	—		115	2901601	WIRE HARNESS B
	3	3	3		114	MS21919DG4	(1897073-104) CLAMP-LOOP
	8	8	8		113	AN960C516L	(1897006-053) WASHER, FLAT
	8	8	8		112	MS35308-332	SCREW-CAP, HEX. HD
			~~6~~		~~111~~	~~[illegible]~~	~~SCREW, CAP~~
	2	2	2		110	MS21919 DG2	(1897073-102) CLAMP, LOOP
	AR	AR	AR		109	MIL-L-4343	GREASE, PNEUMATIC SYSTEM
	1	1	1		108	NAS 1057T3-050	(1896919-001) SPACER
	1	1	1		107	NAS 1057T3-100	(1896919-002) SPACER
	1	1	1		106	MS16996-16	SCREW, CAP, HEX, SOCKET HD
	1	1	1		105	2900666	WIRE HARNESS E
	1	1	1		104	2900925	D
	1	1	1		103	2900924	C
	-	—	1		102	2900915	B
	1	1	1		101	2900753	WIRE HARNESS A
	1	1	1		100	2901141	LEAD, ELECTRICAL
	1	1	1		99	2901140	LEAD, ELECTRICAL
SEE NOTE 2	3	3	3		98	1016019-007	COUPLING HALF-QUICK DISCONNECT (FEMALE)
	2	2	2		97	AN815-4C	UNION, FLARED TUBE (1896903-304)
SEE NOTE 2	8	8	8		96	1000159-6	PACKING, PREFORMED, "O" RING
SEE NOTE 2	3	3	3		95	1016238-005	COUPLING MALE HALF, QUICK DISCONNECT
	1	1	1		94	AN6270-4-24	HOSE ASSEMBLY
SEE NOTE 2	1	1	1		93	1015988-008	CLAMP, CABLE MULTIPLE
SEE NOTE 2	2	2	2		92	1897193-001	STRAP, RETAINING
	2	2	2		91	MS35338-74	WASHER, LOCK
	5	5	5		90	MS35333-73	WASHER, LOCK
	-	2	2		89	2900933	BRACKET, CABLE CLAMP (INSEP ASSY)
SEE NOTE 2	2	2	2		88	1008807-001	CLAMP, LOOP CUSHIONED
	-	-	~~12~~		~~87~~	~~MS16995-53~~	~~SCREW, CAP~~
	-	-	~~1~~		86	~~2900934~~	~~BRACKET, MTG, FILTER BOX (INSEP ASSY)~~
	1	1	1		85	2900935	BRACKET, MTG ELEC. CONN. (INSEP ASSY)
	-	1	1		84	2900936	BRACKET, MOUNTING ELEC. CONNECTOR
	1	1	1		83	2900937	BRACKET, MOUNTING, ELEC. CONN. (INSEP ASSY)
	3	3	3		82	2900938	WHEEL, CABLE GUIDE
	8	8	8		81	MS16624-4075	RING, RETAINING
	8	8	8		80	AN960C1216L	(1897006-123) WASHER, FLAT
	1	1	1		79	2900939	SHAFT, CABLE GUIDE
	2	2	2		78	2900940	SUPPORT, CABLE GUIDE (INSEP ASSY)
	3	3	3		77	2900941	SCREW, CAP SOCKET HD
	1	1	1		76	2900942	CLAMP, CABLE, LOWER HALF
	1	1	1		75	2900943	CLAMP, CABLE, UPPER HALF (INSEP ASSY)
	2	2	2		74	MS 21919DG8	(1897073-108) CLAMP, LOOP, CUSHIONED
SEE NOTE 2	5	5	5		73	1010400-11	CLAMP, LOOP, HINGED
SEE NOTE 2	9	9	9		72	1010400-2	CLAMP, LOOP, HINGED
					71		
SEE NOTE 2	5	5	5		70	1010400-3	CLAMP, LOOP HINGED
SEE NOTE 2	7	7	7		69	1010400-1	CLAMP, LOOP, HINGED
	1	1	1		68	2900919	BRACKET, ELEC. CONNECTOR (INSEP ASSY)
SEE NOTE 2	2	2	2		67	1006783-56	SCREW, BUTTON HD
	2	2	2		66	1006783-22	
	63	63	63		65	1006783-26	
SEE NOTE 2	8	8	8		64	1006783-27	SCREW, BUTTON HD
					63		
	26	26	26		62	MS16996-24	SCREW, CAP, HEX SOCKET HD.
	6	6	6		61	MS16996-23	SCREW, CAP, HEX SOCKET HD.
					60		
	17	17	17		59	MS16996-13	SCREW, CAP, HEX SOCKET HD.
	50	50	50		58	-12	
	22	22	22		57	-11	
	29	29	29		56	MS16996-10	
	12	12	12		55	MS16995-28	
	-	-	~~4~~		54	~~MS16995-27~~	~~SCREW CAP HEX SOCKET HD~~
					53		
	21	21	21		52	MS16995-25	SCREW, CAP, HEX SOCKET HD.
SEE NOTE 2	56	56	56		51	1012525-002	NUT-HEX, LIGHT, THIN
	31	31	31		50	AN960C416	(1897006-042) WASHER, FLAT
	55	55	55		49	AN960C10	(1897006-017) WASHER, FLAT
	4	4	4		48	MS16555-648	PIN, STRAIGHT
	21	21	21		47	AN960C8	(1897006-028) WASHER, FLAT

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	2	2	2		46	MS172246	NUT, SPANNER
	1	1	1		45	1900635	GEAR, OUTPUT
	1	1	1		44	1900634	CAP, BEARING
	1	1	1		43	1900633	CAP, BEARING
	1	1	1		42	1900627	RETAINER, BEARING
	1	1	1		41	1900626	RETAINER, BEARING
	2	2	2		40	1900625	CARTRIDGE, BEARING
	2	2	2		39	1900624	SHAFT, TRUNNION
SEE NOTE 2	2	2	2		38	1016093-001	PIN, STEP DOWEL
	2	2	2		37	1016083-001	BEARING, BALL, DUPLEX PAIR
	8	8	8		36	1015826-403	SCREW, FLAT HD.
	13	13	13		35	1015826-300	SCREW, FLAT HD.
SEE NOTE 2	6	6	6		34	1010630-28	SCREW, FLAT HD.
	24	24	24		33	MS35338-81	WASHER, LOCK
SEE NOTE 2	15	15	15		32	1006783-44	SCREW, BUTTON HD.
	6	6	6		31	MS35308-321	SCREW, CAP, HEX HD.
SEE NOTE 2	56	56	56		30	1006783-19	SCREW, BUTTON HD.
SEE NOTE 2	2	2	2		29	1006674-5	BOLT, EYE
	1	1	1		28	2900725-021	COLDPLATE ASSEMBLY, PSA
	20	20	20		27	2900721	SPACER SLEEVE
	1	1	1		26	2900684-011	COLDPLATE, PEA
	2	2	2		25	2900651	SHAFT, SHOULDERED
	2	2	2		24	MS172211	WASHER, KEY, BEARING RETAINER
	1	1	1		23	2900649	PLATE, MTG., BELLOWS (INSEP ASSY)
	1	1	1		22	2901139	LEAD, ELECTRICAL
	2	2	2		21	2900647	TRACK, SLIDING
SEE NOTE 2	3	3	3		20	1010400-7	CLAMP, LOOP, HINGED
	1	1	1		19	2900902	BRACKET, ELEC. CONNECTOR
	1	1	1		18	2900633	BRACKET, SUPPORT MIDDLE (INSEP ASSY)
SEE NOTE 2	2	2	2		17	1010400-4	CLAMP, LOOP, HINGED
	1	1	1		16	2900894	PLATE, MOUNTING, L.H. (INSEP ASSY)
	1	1	1		15	2900893	PLATE, MOUNTING, R.H. (INSEP ASSY)
	1	1	1		14	2900640	PLATE, MOUNTING ELEC. CONNECTOR
	1	1	1		13	2900639	BRACKET, SUPPORT REAR (INSEP ASSY)
	1	1	1		12	2900637	BRACKET, SUPPORT FRONT (INSEP ASSY)
	1	1	1		11	2900636	PLATE, MOUNTING CABLE GUIDE (INSEP ASSY)
		~~—~~	~~10~~		~~10~~	~~MS35338-82~~	~~WASHER, LOCK~~
	1	1	1		9	2900634	BRACKET, SUPPORT, LOWER (INSEP ASSY)
	-	1	1		8	2900918	BRACKET, SUPPORT, UPPER (INSEP ASSY)
	-	1	1		7	2900632	RACK, MTG., RIGHT HAND (INSEP ASSY)
	1	1	1		6	2900631	RACK, MTG., LEFT HAND (INSEP ASSY)
	1	1	1		5	2900629	CRADLE, GEN FIXTURE, MATCHED
	1	1	1		4	2900612-021	COLDPLATE CGC/LGC
	1	1	1		3	2900611-0[illegible]	COLDPLATE CDU
	1	1	1		2	2900499	SPACER, PEA
	14	14	14		1	2900430-002	SCREW, CAP, SOCKET HD

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 6251		2 JAN 66	[illegible]
B		REVISED PER MXC 208364		21 JAN 66	JAC
C		REVISED PER MXC 208955		10 FEB 66	[illegible]
(M) D		INITIAL RELEASE CLASS A PER TDRR 26766		11 FEB [illegible]	[illegible]
(M) E		REVISED PER TDRR 27721		[illegible]	[illegible]
(M) F		REVISED PER TDRR 28908		25 MAR 66	HG CP
(M) G		REVISED PER TDRR 29708		[illegible] 66	[illegible]
(M) H		REVISED PER TDRR 33596		[illegible]	[illegible]
(M) J		REVISED PER TDRR 35029		[illegible] FEB	[illegible]
K		REVISED PER TDRR 35957		[illegible] 66	[illegible]

NEXT ASSY	USED ON	APPLICABLE DASH NO
2900067-011	2900067-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN G.A. [illegible] DATE 15 OCT 65
CHECKED WILSON 16 OCT 65
APPROVAL [illegible]
APPROVAL [illegible]
NASA APPROVAL A.L. METZGER
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK

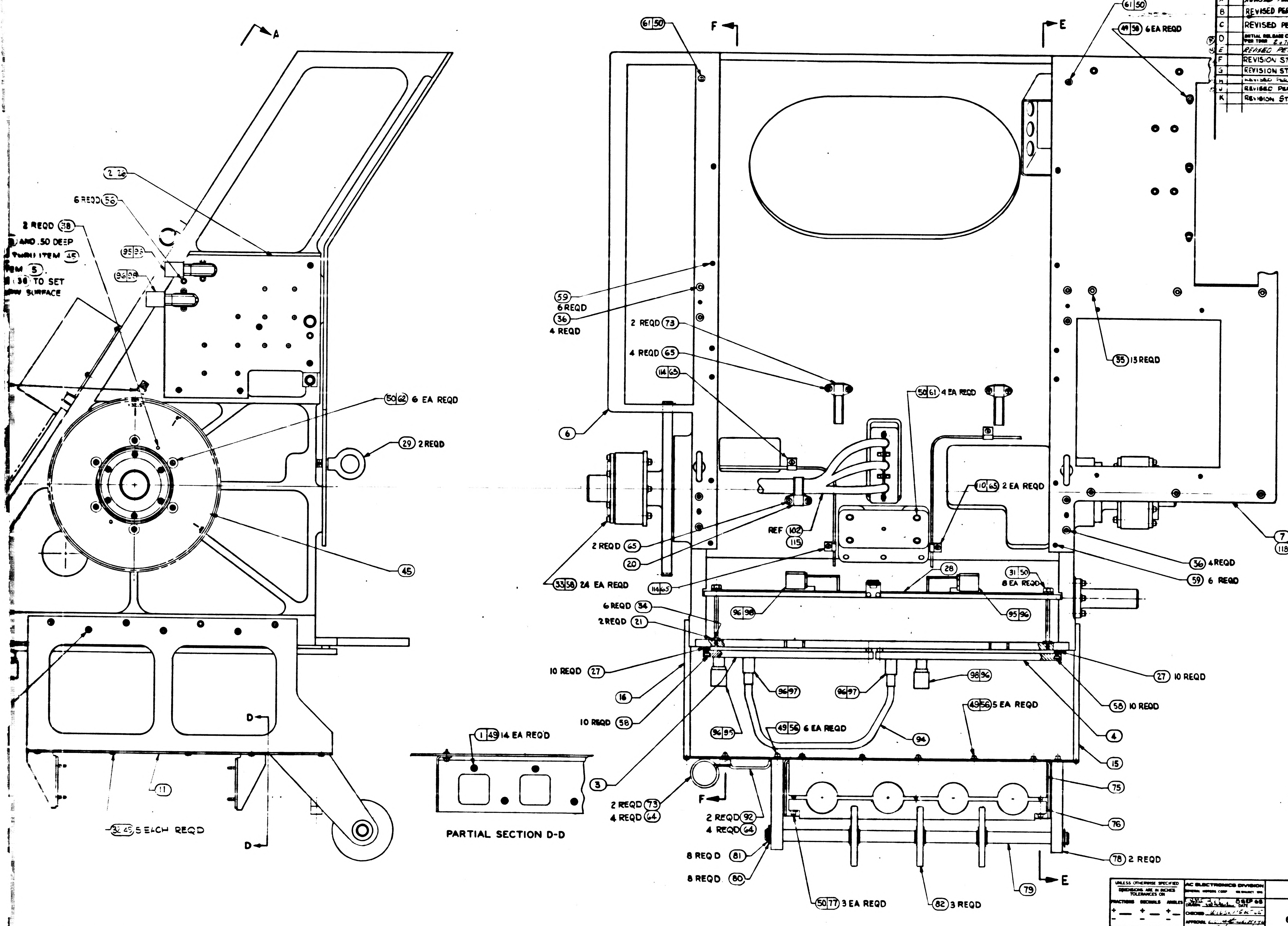
CODE IDENT NO. 99974 SIZE J2 2900673
SCALE 1 SHEET 1

2900673 K

2900673 REV K SH 1

2/2900673

REV	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER D.O. 61251		2 JAN 65	
B		REVISED PER MXC 208364		21 JAN 66	JMP
C		REVISED PER MXC 208955		10 FEB 66	
D		INITIAL RELEASE CLASS A PER TDRR 20766		11 FEB	
E		REVISED PER TDRR 22772			
F		REVISION STATUS CHG D		25 MAY 66	
G		REVISION STATUS CHANGED		28 JUN 66	
H		REVISED PER TDRR 33596			
J		REVISED PER TDRR 86629		68	
K		REVISION STATUS CHANGED		3 APR 68	



A
F
E
61 50
49 58 6 EA REQD
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AND .50 DEEP
ITEM 45
ITEM 5
38 TO SET
SURFACE
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45
59 6 REQD
36 4 REQD
2 REQD 73
4 REQD 65
114 65
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35 13 REQD
10 65 2 EA REQD
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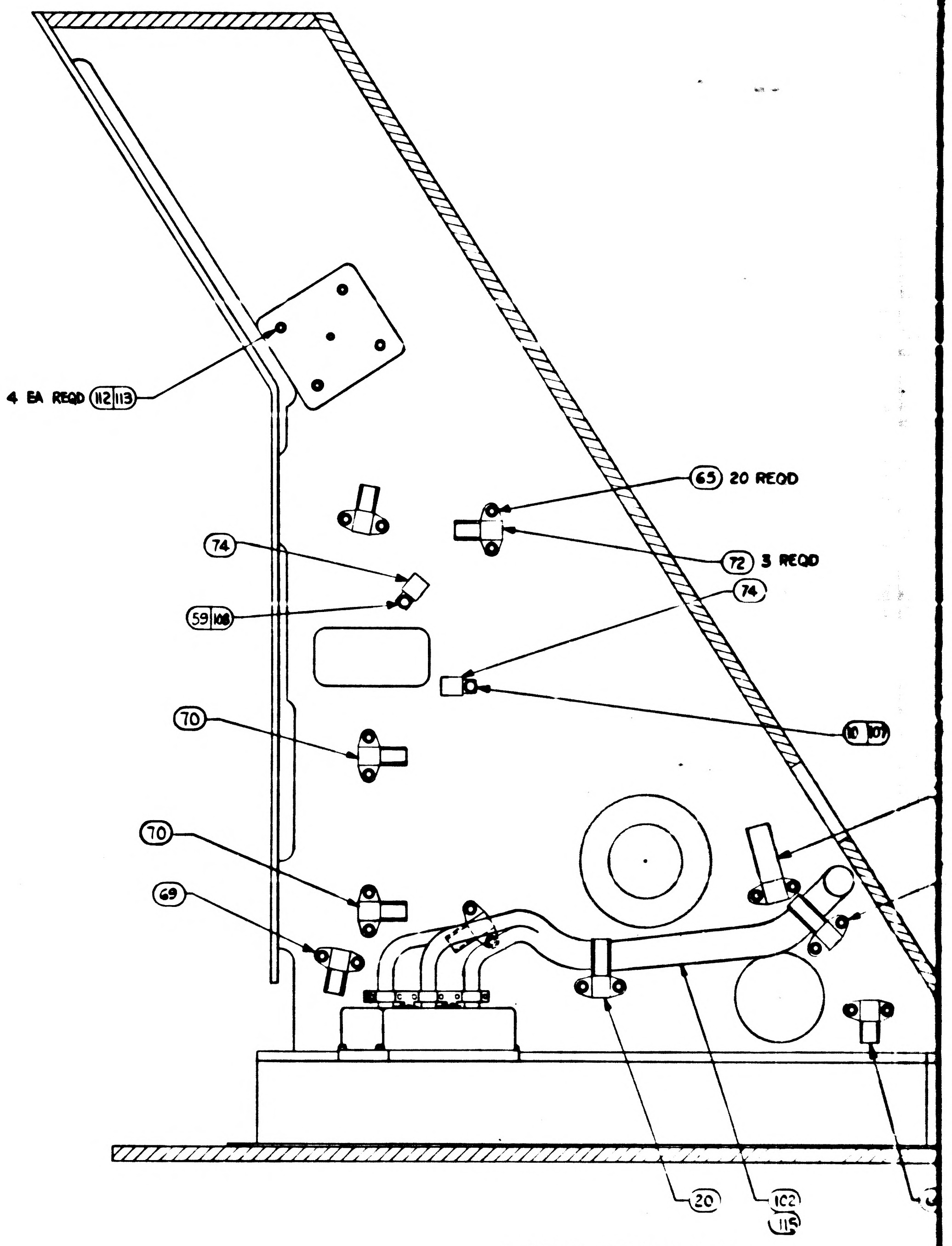
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN 5 SEP 65 DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CRADLE ASSEMBLY,
G AND N FIXTURE BLOCK II

CODE IDENT NO 99974
SIZE J2
2900673
SCALE 1:2
SHEET 2 OF 3


4 EA REQD 112 113
65 20 REQD
72 3 REQD
74
59 108
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10 107
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102
115

PARTIAL SECTION F-F

2900673	REV LTR K	SH 3

2x

1/2900673

APPLICATION		REVISIONS 23406			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900736-011	2900072-011	A	REVISED PER MXC 205433	9 OCT 65	A.N. EF
		B	INITIAL RELEASE CLASS A PER TDRR 23406	19 OCT 65	LF

REV																							
SHEET																							
REV STATUS	REV				B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN R. Satycek DATE 15 SEP 65
CHECKED Wilson 23 SEP 65
APPROVAL L. G. West 23 SEP 65
APPROVAL L Jedman 10/20/65

RUNNING LIST
JUNCTION BOX ASSEMBLY TRACKER (SCHEMATIC DIAGRAM ELECTRICAL

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900674	B

CONTRACT NAS 9-497

SCALE NONE

SHEET 1 OF 20

E1 TERMINAL LUG, CRIMP STYLE 1015902-49

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E1-2	J4-CC	B 34	STRUCTURE GROUND		1
E1-3	J5-A	B 38	STRUCTURE GROUND		1
E1-5	J2-FF	B 84	STRUCTURE GROUND		1
E1-6	J3-Q*	A 25	STRUCTURE GROUND		1
E1-7	J3-PP	A 26	STRUCTURE GROUND		1

E2 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E2-B	J3-X	A 19R	800 CPS 28 V 1 PCT LO OPTICS		2
E2-B	J3-Z	A 20R	800 CPS 28 V 1 PCT LO OPTICS		2
E2-BB	J1-I*	A 21R	800 CPS 28 V 1 PCT LO OPTICS		2

E3 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E3-B	J3-S	A 22L	800 CPS 28 V 5 PCT HI OPTICS		3
E3-B	J3-U	A 23L	800 CPS 28 V 5 PCT HI OPTICS		3
E3-BB	J1-J*	A 24L	800 CPS 28 V 5 PCT HI OPTICS		3

E4 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E4-B	J3-T	A 22R	800 CPS 28 V 5 PCT LO OPTICS		4
E4-B	J3-V	A 23R	800 CPS 28 V 5 PCT LO OPTICS		4
E4-BB	J1-K*	A 24R	800 CPS 28 V 5 PCT LO OPTICS		4

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR *B	SHEET 2 OF 020

MIL 2074 3-63 WIR

E5 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E5-B	J3-JJ	A 27L	SCT COUNTER LAMP POWER HI		5
E5-B	J3-LL	A 28L	SCT RETICLE LAMP POWER HI		5
E5-BB	J1-M*	A 29L	SCT COUNTER LAMP POWER HI		5

E6 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E6-B	J3-KK	A 27R	SCT COUNTER LAMP POWER LO		6
E6-B	J3-MM	A 28R	SCT RETICLE LAMP POWER LO		6
E6-BB	J1-N*	A 29R	SCT COUNTER LAMP POWER LO		6

E7 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E7-B	J3-P*	A 16	0 VDC OPTICS		7
E7-B	J3-A*	A 33	0 VDC OPTICS		7
E7-BB	J1-EE	A 30	0 VDC OPTICS		7

E8 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E8-B	J3-W	A 19L	800 CPS 28 V 1 PCT HI OPTICS		8
E8-B	J3-Y	A 20L	800 CPS 28 V 1 PCT HI OPTICS		8
E8-BB	J1-H*	A 21L	800 CPS 28 V 1 PCT HI OPTICS		8

E9 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR *B	SHEET 3 OF 020

MIL 2074 3-63 WIR

(CONT.) E9 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E9-B	J4-HH	B 26L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-B	J4-P*	B 27L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-B	J4-R*	B 28L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-B	J4-T*	B 29L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-B	J4-KK	B 30L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-BB	J2-N*	B 31L	800 CPS 28 V 1 PCT HI OPTICS		9
E9-BB	J6-A*	B 42L	800 CPS 28 V 1 PCT HI OPTICS		9

E10 SPLICE REDUCER, CRIMP STYLE 1016006-001 OR 1016006-002

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E10-B	J4-JJ	B 26R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-B	J4-Q*	B 27R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-B	J4-S*	B 28R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-B	J4-U*	B 29R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-B	J4-LL	B 30R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-BB	J2-P*	B 31R	800 CPS 28 V 1 PCT LO OPTICS		10
E10-BB	J6-B*	B 42R	800 CPS 28 V 1 PCT LO OPTICS		10

E12 TERMINAL, STAND-OFF, 1006921-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E12	K3-9	AA 10	TRUN SET CMD (+27 VDC)		23

E13 TERMINAL, STAND-OFF, 1006921-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E13	K4-1	AA 11	TRUN READ CMD (+27 VDC)		24

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR *B	SHEET 4 OF 020

MIL 2074 3-63 WIR

E14 TERMINAL, STAND-OFF, 1006921-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E14	K5-9	AA 13	SHAFT SET CMD (+27 VDC)		25

E15 TERMINAL, STAND-OFF, 1006921-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E15	K7-1	AA 14	SHAFT READ CMD (+27 VDC)		26

E16 TERMINAL, STAND-OFF, 1006921-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E16	J1-B	A 34	SHIELD GROUND		27
E16	J3-B	A 35	SHIELD GROUND		27
E16	J6-B	B 76	SHIELD GROUND		27

J1 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PZ (1897055-614)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-B	E16	A 34	SHIELD GROUND		27
J1-C	J3-C	A 40	SHIELD		28
J1-D	J3-D	A 7Y	SCT TRUN MDA OUTPUT PH 1		29
J1-E	J3-E	A 7R	SCT TRUN MDA OUTPUT PH 2		30
J1-F	J3-F	A 7L	SCT TRUN MDA OUTPUT COM		31
J1-G	J3-K	A 8L	SCT TRUN 1 X P2		32
J1-H	J3-L	A 8R	SCT TRUN 1 X P4		33
J1-J	J3-M	A 9L	SCT TRUN 1 X P3		34
J1-K	J3-N	A 9R	SCT TRUN 1 X P1		35
J1-L	J3-P	A 10L	SCT TRUN 1 X S2		36
J1-M	J3-R	A 10R	SCT TRUN 1 X S4		37

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR *B	SHEET 5 OF 020

MIL 2074 3-63 WIR

(CONT.) J1 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PZ (1897055-614)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-P	J3-M*	A	10Y	SHIELD		38
J1-R	J3-B*	A	11L	SCT TRUN TACH FDBK HI		39
J1-S	J3-C*	A	11R	SCT TRUN TACH FDBK LO		40
J1-T	J3-G	A	12Y	SCT SHAFT MDA OUTPUT PH 1		41
J1-U	K6-8	A	39	SCT SHAFT MOTOR PH 2		42
J1-V	K6-4	A	13	SCT SHAFT MDA OUTPUT COM		43
J1-W	K6-1	A	14	SCT SHAFT DRIVE DISABLE		44
J1-X	K6-5	A	15	0 VDC OPTICS		45
J1-Y	J3-X*	A	37L	SXT SHAFT 1 X P2		46
J1-Z	J3-Y*	A	37R	SXT SHAFT 1 X P4		47
J1-B*	J3-D*	A	17L	SCT SHAFT TACH FDBK HI		48
J1-C*	J3-E*	A	17R	SCT SHAFT TACH FDBK LO		49
J1-D*	J3-H*	A	18L	SCT SHAFT 1 X P4		50
J1-E*	J3-I*	A	18R	SCT SHAFT 1 X P2		51
J1-F*	J3-G*	A	18Y	SHIELD		52
J1-G*	J3-F*	A	41	SHIELD		53
J1-H*	E8-BB	A	21L	800 CPS 28 V 1 PCT HI OPTICS		8
J1-I*	E1-BB	A	21R	800 CPS 28 V 1 PCT LO OPTICS		2
J1-J*	E3-BB	A	24L	800 CPS 28 V 5 PCT HI OPTICS		3
J1-K*	E4-BB	A	24R	800 CPS 28 V 5 PCT LO OPTICS		4
J1-M*	E5-BB	A	29L	SCT COUNTER LAMP POWER HI		5
J1-N*	E6-BB	A	29R	SCT COUNTER LAMP POWER LO		6
J1-P*	J3-CC	A	1L	TRACKER X DRIVE HI		54
J1-Q*	J3-DD	A	1R	TRACKER X DRIVE LO		55
J1-R*	J3-T*	A	2L	SXT SHAFT 1 X S2		56
J1-S*	J3-U*	A	2R	SXT SHAFT 1 X S4		57
J1-T*	J3-J*	A	36L	TRACKER SIGNAL HI		58
J1-U*	J3-K*	A	36R	TRACKER SIGNAL LO		59
J1-V*	J3-N*	A	36Y	SHIELD		60
J1-W*	J3-R*	A	3L	SXT SHAFT 1 X S3		61
J1-X*	J3-S*	A	3R	SXT SHAFT 1 X S1		62

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 6 OF 020

(CONT.) J1 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PZ (1897055-614)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-Y*	J3-AA	A	4L	TRACKER Y DRIVE HI		63
J1-Z*	J3-BB	A	4R	TRACKER Y DRIVE LO		64
J1-AA	J3-V*	A	5L	SXT SHAFT 1 X P3		65
J1-BB	J3-W*	A	5R	SXT SHAFT 1 X P1		66
J1-CC	J3-EE	A	6	+ 28 VDC OPTICS TRACKER POWER		67
J1-DD	J3-FF	A	31	0 VDC OPTICS		68
J1-EE	E7-BB	A	30	0 VDC OPTICS		7
J1-FF	J3-GG	A	38L	TRACKER AUT GAIN CONT HI		69
J1-GG	J3-HH	A	38R	TRACKER AUT GAIN CONT LO		70
J1-HH	J3-Z*	A	38Y	SHIELD		71
J1-MM	J3-NN	A	32	400 CPS SHIELDS		72

J2 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PY (1897055-613)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J2-B	J4-B	B	45	SHIELD GROUND		73
J2-D	J4-D	B	4Y	SXT SHAFT MDA OUTPUT PH 1		74
J2-E	K1-8	B	82	SXT SHAFT MOTOR PH 2		75
J2-F	K1-4	B	5	SXT SHAFT MDA OUTPUT COM		76
J2-H	J4-G	B	10L	SXT SHAFT TACH HI		77
J2-J	J4-H	B	10R	SXT SHAFT TACH LO		78
J2-K	K5-5	B	51L	SXT SHAFT 16 X S4		79
J2-L	K5-8	B	51R	SXT SHAFT 16 X S2		80
J2-M	K5-14	B	57L	SXT SHAFT 16 X S1		81
J2-N	K5-17	B	57R	SXT SHAFT 16 X S3		82
J2-P	J4-N	B	13L	SXT SHAFT 1/2 X S1		83
J2-R	J4-P	B	13R	SXT SHAFT 1/2 X S3		84
J2-S	J4-R	B	14L	SXT SHAFT 1/2 X S4		85
J2-T	J4-S	B	14R	SXT SHAFT 1/2 X S2		86

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 7 OF 020

(CONT.) J2 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PY (1897055-613)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J2-U	J4-T	B	15Y	SXT TRUN MDA OUTPUT PH 1		87
J2-V	K2-8	B	83	SXT TRUNNION MOTOR PH 2		88
J2-W	K2-4	B	16	SXT TRUN MDA OUTPUT COM		89
J2-X	J5-F	B	35	STAR SIMULATOR SIGNAL HI		90
J2-X	J6-D*	B	39	STAR SIMULATOR SIGNAL HI		90
J2-Y	J5-G	B	36	STAR SIMULATOR SIGNAL LO		91
J2-Y	J6-E*	B	40	STAR SIMULATOR SIGNAL LO		91
J2-Z	J5-H	B	37	SHIELD		92
J2-Z	J6-F*	B	41	SHIELD		92
J2-A*	J4-Y	B	47	SHIELD		93
J2-B*	J4-W	B	17L	SXT TRUN TACH HI		94
J2-C*	J4-X	B	17R	SXT TRUN TACH LO		95
J2-D*	J4-DD	B	48	SHIELD		96
J2-E*	K3-5	B	63L			97
J2-E*	K3-5	B	63L	SXT TRUN 64 X S4		97
J2-F*	K3-8	B	63R	SXT TRUN 64 X S2		98
J2-G*	K3-14	B	69L	SXT TRUN 64 X S1		99
J2-H*	K3-17	B	69R	SXT TRUN 64 X S3		100
J2-I*	J4-G*	B	24L	SXT TRUN 1 X S2		101
J2-J*	J4-H*	B	24R	SXT TRUN 1 X S4		102
J2-K*	J4-J*	B	25L	SXT TRUN 1 X S1		103
J2-M*	J4-K*	B	25R	SXT TRUN 1 X S3		104
J2-N*	E9-BB	B	31L	800 CPS 28 V 1 PCT HI OPTICS		9
J2-P*	E10-BB	B	31R	800 CPS 28 V 1 PCT LO OPTICS		10
J2-Q*	J4-Y*	B	33L	800 CPS 28 V 5 PCT HI OPTICS		105
J2-R*	J4-Z*	B	33R	800 CPS 28 V 5 PCT LO OPTICS		106
J2-S*	J4-W*	B	32L	SXT RETICLE LAMP POWER HI		107
J2-T*	J4-X*	B	32R	SXT RETICLE LAMP POWER LO		108
J2-V*	J6-S	B	77	+ 28 VDC OPTICS		109
J2-W*	J4-AA	B	1R	TRACKER + 28 VDC OPTICS		110
J2-X*	J4-BB	B	1L	TRACKER 0 VDC OPTICS		111

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 8 OF 020

(CONT.) J2 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E24-61PY (1897055-613)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J2-Y*	J4-V*	B	64	SHIELD		112
J2-Y*	J6-T*	B	81	SHIELD		112
J2-Z*	J4-I*	B	52	SHIELD		113
J2-Z*	J6-M*	B	79	SHIELD		113
J2-AA	K1-1	B	6	SXT SHAFT DRIVE ENABLE		114
J2-BB	K2-1	B	9	SXT TRUN DRIVE ENABLE		115
J2-CC	K2-5	B	8	0 VDC OPTICS		116
J2-DD	J4-M*	B	43L	SXT TRUN 2 X P3		117
J2-EE	J4-N*	B	43R	SXT TRUN 2 X P1		118
J2-FF	E1-5	B	84	STRUCTURE GROUND		1
J2-GG	J4-Z	B	44L	SXT TRUN 2 X S2		119
J2-HH	J4-A*	B	44R	SXT TRUN 2 X S4		120
J2-KK	J4-MM	B	2L	PHOTOMETER SIGNAL HI		121
J2-LL	J4-NN	B	2R	PHOTOMETER SIGNAL LO		122
J2-MM	J4-EE	B	3L	STAR PRESENCE HI		123
J2-NN	J4-FF	B	3R	STAR PRESENCE LO		124
J2-PP	J4-PP	B	32Y	SHIELD		125

J3 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACT
MS 3127E24-61SY (1897056-613)

FROM	TO	LEAD NO		CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3-B	E16	A	35	SHIELD GROUND		27
J3-C	J1-C	A	40	SHIELD		28
J3-D	J1-D	A	7Y	SCT TRUN MDA OUTPUT PH 1		29
J3-E	J1-E	A	7R	SCT TRUN MDA OUTPUT PH 2		30
J3-F	J1-F	A	7L	SCT TRUN MDA OUTPUT COM		31
J3-G	J1-T	A	12Y	SCT SHAFT MDA OUTPUT PH 1		41
J3-H	K6-2	A	12L	SCT SHAFT MDA OUTPUT PH 2		126
J3-J	K6-6	A	12R	SCT SHAFT MDA OUTPUT COM		127

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 9 OF 020

(CONT.) J3 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SCCKET CONTACJ
MS 3127E24-61SY (1897056-613)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3-K	J1-G	A	8L SCT TRUN 1 X P2		32
J3-L	J1-H	A	8R SCT TRUN 1 X P4		33
J3-M	J1-J	A	9L SCT TRUN 1 X P3		34
J3-N	J1-K	A	9R SCT TRUN 1 X P1		35
J3-P	J1-L	A	10L SCT TRUN 1 X S2		36
J3-R	J1-M	A	10R SCT TRUN 1 X S4		37
J3-S	E3-B	A	22L 800 CPS 28 V 5 PCT HI OPTICS		3
J3-T	E4-B	A	22R 800 CPS 28 V 5 PCT LO OPTICS		4
J3-U	E3-B	A	23L 800 CPS 28 V 5 PCT HI OPTICS		3
J3-V	E4-B	A	23R 800 CPS 28 V 5 PCT LO OPTICS		4
J3-W	E8-B	A	19L 800 CPS 28 V 1 PCT HI OPTICS		8
J3-X	E2-B	A	19R 800 CPS 28 V 1 PCT LO OPTICS		2
J3-Y	E8-B	A	20L 800 CPS 28 V 1 PCT HI OPTICS		8
J3-Z	E2-B	A	20R 800 CPS 28 V 1 PCT LO OPTICS		2
J3-A*	E7-B	A	33 0 VDC OPTICS		7
J3-B*	J1-R	A	11L SCT TRUN TACH FDBK HI		39
J3-C*	J1-S	A	11R SCT TRUN TACH FDBK LO		40
J3-D*	J1-B*	A	17L SCT SHAFT TACH FDBK HI		48
J3-E*	J1-C*	A	17R SCT SHAFT TACH FDBK LO		49
J3-F*	J1-G*	A	41 SHIELD		53
J3-G*	J1-F*	A	18Y SHIELD		52
J3-H*	J1-D*	A	18L SCT SHAFT 1 X P4		50
J3-I*	J1-E*	A	18R SCT SHAFT 1 X P2		51
J3-J*	J1-T*	A	36L TRACKER SIGNAL HI		58
J3-K*	J1-U*	A	36R TRACKER SIGNAL LO		59
J3-M*	J1-P	A	10Y SHIELD		38
J3-N*	J1-V*	A	36Y SHIELD		60
J3-P*	E7-B	A	16 0 VDC OPTICS		7
J3-Q*	E1-6	A	25 STRUCTURE GROUND		1
J3-R*	J1-W*	A	3L SXT SHAFT 1 X S3		61
J3-S*	J1-X*	A	3R SXT SHAFT 1 X S1		62

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 10 OF 020

(CONT.) J3 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACT
MS 3127E24-61SY (1897056-613)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3-T*	J1-R*	A	2L SXT SHAFT 1 X S2		56
J3-U*	J1-S*	A	2R SXT SHAFT 1 X S4		57
J3-V*	J1-AA	A	5L SXT SHAFT 1 X P3		65
J3-W*	J1-BB	A	5R SXT SHAFT 1 X P1		66
J3-X*	J1-Y	A	37L SXT SHAFT 1 X P2		46
J3-Y*	J1-Z	A	37R SXT SHAFT 1 X P4		47
J3-Z*	J1-HH	A	38Y SHIELD		71
J3-AA	J1-Y*	A	4L TRACKER Y DRIVE HI		63
J3-BB	J1-Z*	A	4R TRACKER Y DRIVE LO		64
J3-CC	J1-P*	A	1L TRACKER X DRIVE HI		54
J3-DD	J1-Q*	A	1R TRACKER X DRIVE LO		55
J3-EE	J1-CC	A	6 +28 VDC OPTICS TRACKER POWER		67
J3-FF	J1-DD	A	31 0 VDC OPTICS		68
J3-GG	J1-FF	A	38L TRACKER AUT GAIN CONT HI		69
J3-HH	J1-GG	A	38R TRACKER AUT GAIN CONT LO		70
J3-JJ	E5-B	A	27L SCT COUNTER LAMP POWER HI		5
J3-KK	E6-B	A	27R SCT COUNTER LAMP POWER LO		6
J3-LL	E5-B	A	28L SCT RETICLE LAMP POWER HI		5
J3-MM	E6-B	A	28R SCT RETICLE LAMP POWER LO		6
J3-NN	J1-MM	A	32 400 CPS SHIELDS		72
J3-PP	E1-7	A	26 STRUCTURE GROUND		1

J4 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACJ
MS 3127E24-61SZ (1897056-614)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-B	J2-B	B	45 SHIELD GROUND		73
J4-B	J6-A	B	46 SHIELD GROUND		73
J4-D	J2-D	B	4Y SXT SHAFT MDA OUTPUT PH 1		74
J4-E	K1-2	B	4L SXT SHAFT MDA OUTPUT PH 2		128

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 11 OF 020

(CONT.) J4 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACJ
MS 3127E24-61SZ (1897056-614)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-F	K1-6	B	4R 0 VDC OPTICS		129
J4-G	J2-H	B	10L SXT SHAFT TACH HI		77
J4-H	J2-J	B	10R SXT SHAFT TACH LO		78
J4-J	K5-4	B	50L SXT SHAFT 16 X S4		130
J4-K	K5-7	B	50R SXT SHAFT 16 X S2		131
J4-L	K5-13	B	56L SXT SHAFT 16 X S1		132
J4-M	K5-16	B	56R SXT SHAFT 16 X S3		133
J4-N	J2-P	B	13L SXT SHAFT 1/2 X S1		83
J4-P	J2-R	B	13R SXT SHAFT 1/2 X S3		84
J4-R	J2-S	B	14L SXT SHAFT 1/2 X S4		85
J4-S	J2-T	B	14R SXT SHAFT 1/2 X S2		86
J4-T	J2-U	B	15Y SXT TRUN MDA OUTPUT PH 1		87
J4-U	K2-2	B	15L SXT TRUN MDA OUTPUT PH 2		134
J4-V	K2-6	B	15R 0 VDC OPTICS		135
J4-W	J2-B*	B	17L SXT TRUN TACH HI		94
J4-X	J2-C*	B	17R SXT TRUN TACH LO		95
J4-Y	J2-A*	B	47 SHIELD		93
J4-Z	J2-GG	B	44L SXT TRUN 2 X S2		119
J4-A*	J2-HH	B	44R SXT TRUN 2 X S4		120
J4-B*	K3-4	B	62L SXT TRUN 64 X S4		136
J4-C*	K3-7	B	62R SXT TRUN 64 X S2		137
J4-D*	K3-13	B	68L SXT TRUN 64 X S1		138
J4-E*	K3-16	B	68R SXT TRUN 64 X S3		139
J4-G*	J2-I*	B	24L SXT TRUN 1 X S2		101
J4-H*	J2-J*	B	24R SXT TRUN 1 X S4		102
J4-I*	J2-Z*	B	52 SHIELD		113
J4-J*	J2-K*	B	25L SXT TRUN 1 X S1		103
J4-K*	J2-M*	B	25R SXT TRUN 1 X S3		104
J4-M*	J2-DD	B	43L SXT TRUN 2 X P3		117
J4-N*	J2-EE	B	43R SXT TRUN 2 X P1		118
J4-P*	E9-B	B	27L 800 CPS 28 V 1 PCT HI OPTICS		9

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 12 OF 020

(CONT.) J4 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SCCKBT CONTACJ
MS 3127E24-61SZ (1897056-614)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-Q*	E10-B	B	27R 800 CPS 28 V 1 PCT LO OPTICS		10
J4-R*	E9-B	B	28L 800 CPS 28 V 1 PCT HI OPTICS		9
J4-S*	E10-B	B	28R 800 CPS 28 V 1 PCT LO OPTICS		10
J4-T*	E9-B	B	29L 800 CPS 28 V 1 PCT HI OPTICS		9
J4-U*	E10-B	B	29R 800 CPS 28 V 1 PCT LO OPTICS		10
J4-V*	J2-Y*	B	64 SHIELD		112
J4-W*	J2-S*	B	32L SXT RECTICLE LAMP POWER HI		107
J4-X*	J2-T*	B	32R SXT RETICLE LAMP POWER LO		108
J4-Y*	J2-Q*	B	33L 800 CPS 28 V 5 PCT HI OPTICS		105
J4-Z*	J2-R*	B	33R 800 CPS 28 V 5 PCT LO OPTICS		106
J4-AA	J2-W*	B	1R TRACKER +28 VDC OPTICS		110
J4-BB	J2-X*	B	1L TRACKER 0 VCC OPTICS		111
J4-CC	E1-2	B	34 STRUCTURE GROUND		1
J4-DD	J2-D*	B	48 SHIELD		96
J4-EE	J2-MM	B	3L STAR PRESENCE HI		123
J4-FF	J2-NN	B	3R STAR PRESENCE LO		124
J4-HH	E9-B	B	26L 800 CPS 28 V 1 PCT HI OPTICS		9
J4-JJ	E10-B	B	26R 800 CPS 28 V 1 PCT LO OPTICS		10
J4-KK	E9-B	B	30L 800 CPS 28 V 1 PCT HI OPTICS		9
J4-LL	E10-B	B	30R 800 CPS 28 V 1 PCT LO OPTICS		10
J4-MM	J2-KK	B	2L PHOTOMETER SIGNAL HI		121
J4-NN	J2-LL	B	2R PHOTOMETER SIGNAL LO		122
J4-PP	J2-PP	B	32Y SHIELD		125

J5 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E14-15P (1897115-150)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-A	E1-3	B	38 STRUCTURE GROUND		1
J5-F	J2-X	B	35 STAR SIMULATOR SIGNAL HI		90

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 13 OF 020

(CONT.) J5 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE PIN CONTACT
MS 3127E14-15P (1897115-150)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-G	J2-Y	B 36	STAR SIMULATOR SIGNAL LO		91
J5-H	J2-Z	B 37	SHIELD		92

J6 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACT
MS 3127E20-41S (1897052-410)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-A	J4-B	B 46	SHIELD GROUND		73
J6-B	E16	B 76	SHIELD GROUND		27
J6-C	J6-D	B 49	OSS INTERLOCK		140
J6-D	J6-C	B 49	OSS INTERLOCK		140
J6-S	J2-V*	B 77	+28 VDC OPTICS		109
J6-T	K5-2	B 74	RLP LO		141
J6-T	K3-2	B 75	RLP LO		141
J6-U	K5-1	B 53	SHAFT SET CMD (+ 27 VDC)		142
J6-V	K3-1	B 65	TRUN SET CMD (+27 VDC)		143
J6-W	K7-1	B 58	SHAFT READ CMD (+ 27 VDC)		26
J6-X	K4-1	B 70	TRUN READ CMD (+ 27 VDC)		24
J6-Y	K7-15	B 72	SXT SHAFT SET INDICATION (0 VDC)		144
J6-Z	K4-15	B 73	SXT TRUN SET INDICATION (0 VDC)		145
J6-A*	E9-BB	B 42L	800 CPS 28 V 1 PCT HI OPTICS		9
J6-B*	E10-BB	B 42R	800 CPS 28 V 1 PCT LO OPTICS		10
J6-D*	J2-X	B 39	STAR SIMULATOR SIGNAL HI		90
J6-E*	J2-Y	B 40	STAR SIMULATOR SIGNAL LO		91
J6-F*	J2-Z	B 41	SHIELD		92
J6-G*	K7-6	B 54R	SXT SHAFT 16 X RSVR S2		146
J6-H*	K7-3	B 54L	SXT SHAFT 16 X RSVR S4		147
J6-I*	J6-M*	B 78	SHIELD		113
J6-J*	K7-12	B 59R	SXT SHAFT 16 X RSVR S3		148
J6-K*	K7-9	B 59L	SXT SHAFT 16 X RSVR S1		149

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 14 OF 020

MIL 2074 3-63 WIR

(CONT.) J6 CONNECTOR - RECEPTACLE, ELECTRICAL, CRIMP STYLE SOCKET CONTACT
MS 3127E20-41S (1897052-410)

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-M*	J6-I*	B 78	SHIELD		113
J6-M*	J2-Z*	B 79	SHIELD		113
J6-N*	K4-3	B 66L	SXT TRUN 64 X S4		150
J6-P*	K4-6	B 66R	SXT TRUN 64 X S2		151
J6-Q*	J6-T*	B 80	SHIELD		112
J6-R*	K4-12	B 71R	SXT TRUN 64 X S3		152
J6-S*	K4-9	B 71L	SXT TRUN 64 X S1		153
J6-T*	J6-Q*	B 80	SHIELD		112
J6-T*	J2-Y*	B 81	SHIELD		112

K1 RELAY 1015832-318

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K1-1	J2-AA	B 6	SXT SHAFT DRIVE ENABLE		114
K1-2	J4-E	B 4L	SXT SHAFT MDA OUTPUT PH 2		128
K1-4	J2-F	B 5	SXT SHAFT MDA OUTPUT COM		76
K1-5	K2-5	B 7	0 VDC OPTICS		116
K1-6	J4-F	B 4R	0 VDC OPTICS		129
K1-8	J2-E	B 82	SXT SHAFT MOTOR PH 2		75

K2 RELAY 1015832-318

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K2-1	J2-BB	B 9	SXT TRUN DRIVE ENABLE		115
K2-2	J4-U	B 15L	SXT TRUN MDA OUTPUT PH 2		134
K2-4	J2-W	B 16	SXT TRUN MDA OUTPUT COM		89
K2-5	K1-5	B 7	0 VDC OPTICS		116
K2-5	J2-CC	B 8	0 VDC OPTICS		116
K2-6	J4-V	B 15R	0 VDC OPTICS		135

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 15 OF 020

MIL 2074 3-63 WIR

(CONT.) K2 RELAY 1015832-318

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K2-8	J2-V	B 83	SXT TRUNNION MOTOR PH 2		88

K3 RELAY 1015837-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K3-1	K3-10	AA 9	TRUN SET CMD (+ 27 VDC)		143
K3-1	J6-V	B 65	TRUN SET CMD (+27 VDC)		143
K3-2	K4-2	AA 19	0 VDC OPTICS		141
K3-2	J6-T	B 75	RLP LO		141
K3-4	J4-B*	B 62L	SXT TRUN 64 X S4		136
K3-5	K4-4	AA 5	SXT TRUN 64 X S4		97
K3-5	J2-E*	B 63L	SXT TRUN 64 X S4		97
K3-7	J4-C*	B 62R	SXT TRUN 64 X S2		137
K3-8	K4-7	AA 6	SXT TRUN 64 X S2		98
K3-8	J2-F*	B 63R	SXT TRUN 64 X S2		98
K3-9	E12	AA 10	TRUN SET CMD (+ 27 VDC)		23
K3-10	K3-1	AA 9	TRUN SET CMD (+27 VDC)		143
K3-13	J4-D*	B 68L	SXT TRUN 64 X S1		138
K3-14	K4-10	AA 7	SXT TRUN 64 X S1		99
K3-14	J2-G*	B 69L	SXT TRUN 64 X S1		99
K3-16	J4-E*	B 68R	SXT TRUN 64 X S3		139
K3-17	K4-13	AA 8	SXT TRUN 64 X S3		100
K3-17	J2-H*	B 69R	SXT TRUN 64 X S3		100
K3-18	K4-16	AA 15	SXT TRUN SET INDICATION (0 VDC)		154
K3-19	K4-2	AA 20	0 VDC OPTICS		141

K4 RELAY 1015837-001

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 16 OF 020

MIL 2074 3-63 WIR

(CONT.) K4 RELAY 1015837-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K4-1	E13	AA 11	TRUN READ CMD (+ 27 VDC)		24
K4-1	J6-X	B 70	TRUN READ CMD (+27 VDC)		24
K4-2	K3-2	AA 19	0 VDC OPTICS		141
K4-2	K3-19	AA 20	0 VDC OPTICS		141
K4-3	J6-N*	B 66L	SXT TRUN 64 X S4		150
K4-4	K3-5	AA 5	SXT TRUN 64 X S4		97
K4-6	J6-P*	B 66R	SXT TRUN 64 X S2		151
K4-7	K3-8	AA 6	SXT TRUN 64 X S2		98
K4-9	J6-S*	B 71L	SXT TRUN 64 X S1		153
K4-10	K3-14	AA 7	SXT TRUN 64 X S1		99
K4-12	J6-R*	B 71R	SXT TRUN 64 X S3		152
K4-13	K3-17	AA 8	SXT TRUN 64 X S3		100
K4-15	J6-Z	B 73	SXT TRUN SET INDICATION (0 VDC)		145
K4-16	K3-18	AA 15	SXT TRUN SET INDICATION (0 VDC)		154

K5 RELAY 1015837-001

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K5-1	K5-10	AA 12	SHAFT SET CMD (+ 27 VDC)		142
K5-1	J6-U	B 53	SHAFT SET CMD (+27 VDC)		142
K5-2	K7-2	AA 17	0 VDC OPTICS		141
K5-2	J6-T	B 74	RLP LO		141
K5-4	J4-J	B 50L	SXT SHAFT 16 X S4		130
K5-5	K7-4	AA 1	SXT SHAFT 16 X S4		79
K5-5	J2-K	B 51L	SXT SHAFT 16 X S4		79
K5-7	J4-K	B 50R	SXT SHAFT 16 X S2		131
K5-8	K7-7	AA 2	SXT SHAFT 16 X S2		80
K5-8	J2-L	B 51R	SXT SHAFT 16 X S2		80
K5-9	E14	AA 13	SHAFT SET CMD (+ 27 VDC)		25
K5-10	K5-1	AA 12	SHAFT SET CMD (+27 VDC)		142
K5-13	J4-L	B 56L	SXT SHAFT 16 X S1		132

CODE IDENT NO.	SIZE	
99974	A	2900674
SCALE-NONE	REV LTR XB	SHEET 17 OF 020

MIL 2074 3-63 WIR

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K5	RELAY 1015837-001				
K5-14	K7-10	AA 3	SXT SHAFT 16 X S1		81
K5-14	J2-M	B 57L	SXT SHAFT 16 X S1		81
K5-16	J4-M	B 56R	SXT SHAFT 16 X S3		133
K5-17	K7-13	AA 4	SXT SHAFT 16 X S3		82
K5-17	J2-N	B 57R	SXT SHAFT 16 X S3		82
K5-18	K7-16	AA 16	SXT SHAFT SET INDICATION (0 VDC)		155
K5-19	K7-2	AA 18	0 VDC OPTICS		141
K6	RELAY 1015832-318				
K6-1	J1-W	A 14	SCT SHAFT DRIVE DISABLE		44
K6-2	J3-H	A 12L	SCT SHAFT MDA OUTPUT PH 2		126
K6-4	J1-V	A 13	SCT SHAFT MDA OUTPUT COM		43
K6-5	J1-X	A 15	0 VDC OPTICS		45
K6-6	J3-J	A 12R	SCT SHAFT MDA OUTPUT COM		127
K6-8	J1-U	A 39	SCT SHAFT MOTOR PH 2		42
K7	RELAY 1015837-001				
K7-1	E15	AA 14	SHAFT READ CMD (+ 27 VDC)		26
K7-1	J6-W	B 58	SHAFT READ CMD (+27 VDC)		26
K7-2	K5-2	AA 17	0 VDC OPTICS		141
K7-2	K5-19	AA 18	0 VDC OPTICS		141
K7-3	J6-H*	B 54L	SXT SHAFT 16 X RSVR S4		147
K7-4	K5-5	AA 1	SXT SHAFT 16 X S4		79
K7-6	J6-G*	B 54R	SXT SHAFT 16 X RSVR S2		146
K7-7	K5-8	AA 2	SXT SHAFT 16 X S2		80
K7-9	J6-K*	B 59L	SXT SHAFT 16 X RSVR S1		149

CODE IDENT NO.	SIZE		
99974	A	2900674	
SCALE-NONE	REV LTR B		SHEET 18 OF 020

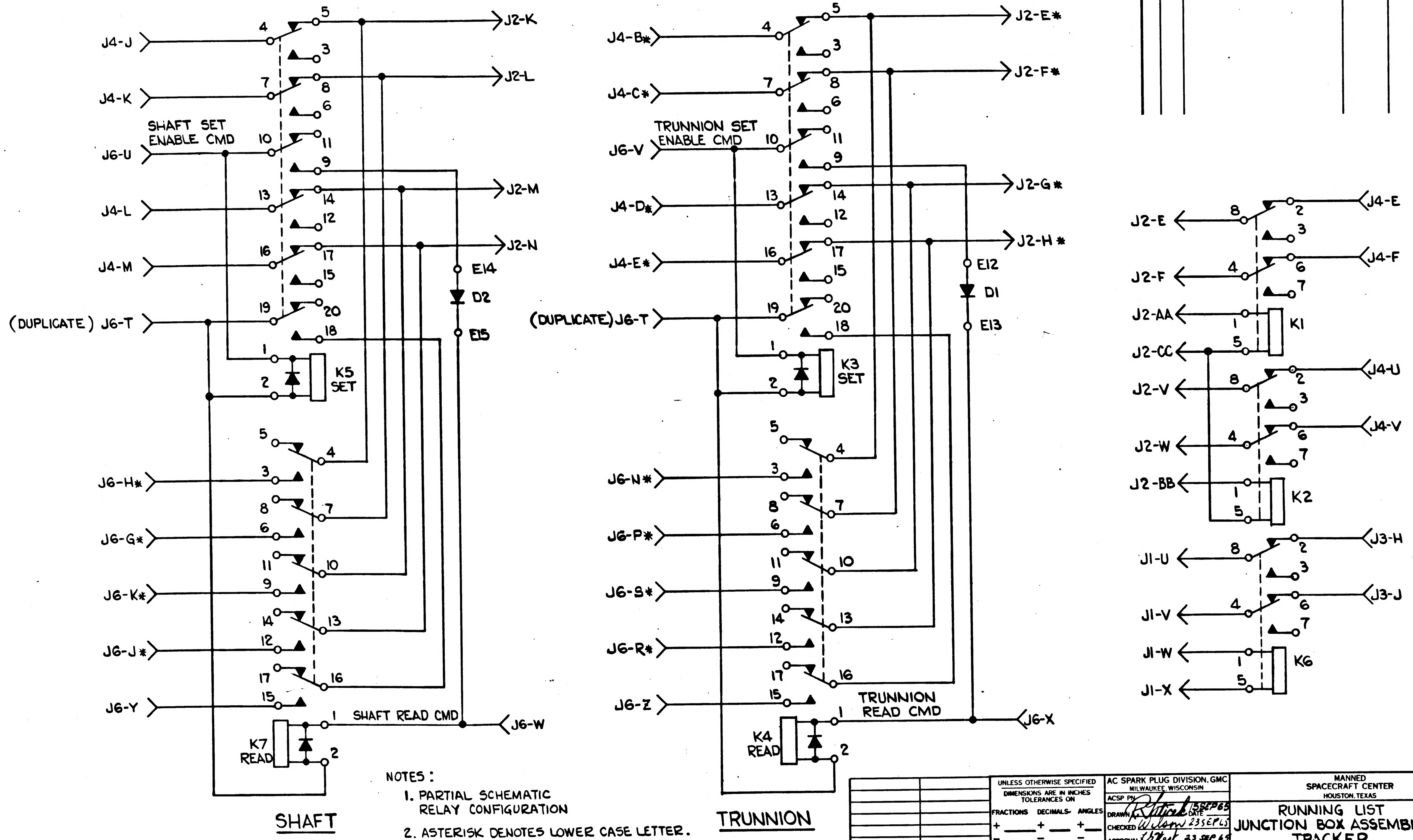
FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K7	RELAY 1015837-001				
K7-10	K5-14	AA 3	SXT SHAFT 16 X S1		81
K7-12	J6-J*	B 59R	SXT SHAFT 16 X RSVR S3		148
K7-13	K5-17	AA 4	SXT SHAFT 16 X S3		82
K7-15	J6-Y	B 72	SXT SHAFT SET INDICATION (0 VDC)		144
K7-16	K5-18	AA 16	SXT SHAFT SET INDICATION (0 VDC)		155

CODE IDENT NO.	SIZE		
99974	A	2900674	
SCALE-NONE	REV LTR B		SHEET 19 OF 020

2900674 B

REVISIONS 23406

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



J4-J
J4-K
SHAFT SET ENABLE CMD
J6-U
J4-L
J4-M
(DUPLICATE) J6-T
J2-K
J2-L
J2-M
J2-N
E14
D2
E15
K5 SET
J6-H*
J6-G*
J6-K*
J6-J*
J6-Y
K7 READ
SHAFT READ CMD
J6-W
SHAFT
J4-B*
J4-C*
TRUNNION SET ENABLE CMD
J6-V
J4-D*
J4-E*
(DUPLICATE) J6-T
J2-E*
J2-F*
J2-G*
J2-H*
E12
D1
E13
K3 SET
J6-N*
J6-P*
J6-S*
J6-R*
J6-Z
K4 READ
TRUNNION READ CMD
J6-X
TRUNNION
J2-E
J4-E
J2-F
J4-F
J2-AA
J2-CC
K1
J2-V
J4-U
J2-W
J4-V
J2-BB
K2
J1-U
J3-H
J1-V
J3-J
J1-W
J1-X
K6

NOTES:
1. PARTIAL SCHEMATIC RELAY CONFIGURATION
2. ASTERISK DENOTES LOWER CASE LETTER.

2900736-011	2900072-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R Futick DATE 15SEP65
CHECKED Wilson 23SEP65
APPROVAL L.G. West 23 SEP 65
APPROVAL J. M. Watson 9-23-65
NASA APPROVAL
MIT APPROVAL 10/1/65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RUNNING LIST
JUNCTION BOX ASSEMBLY,
TRACKER
(SCHEMATIC DIAGRAM ELECTRICAL)

CODE IDENT NO. 99974 SIZE D 2900674
SCALE —
SHEET 20 OF 20

MIL 1077/1

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900712-011	2900712-011	A	REVISED PER MXC 205591	9 OCT 65	A.N. EF
		B	INITIAL RELEASE CLASS A PER TDRR 24761	14 DEC 65	G.O.R.

30 JUL 65

REV										
SHEET										
REV STATUS REV	B	B	B	B	B	B	B	B	B	B
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN DATE 20 JUL 65
CHECKED A. Udovich 3 AUG 65
APPROVAL E. Swanson 5 Aug 65
APPROVAL J. M. Watson 12-11-65

NASA APPROVAL A. Metzger / RSS
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE ELECTRICAL, W159

CODE IDENT NO.	SIZE		REV
99974	A	2900675	B

SCALE

SHEET 1 OF 10

CABLE ASSEMBLY W159 2900675 B

NOTE NUMBER

GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER ND1002032.

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019

4 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

7 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

8 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
  L - WHITE WITH BLUE TRACER
  R - WHITE WITH RED TRACER.
  W - WHITE

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND ITEMS 8 AND 9 WITH ITEM 16.

10 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

11 SECURE TO CABLE USING ITEM 17, MARKING TO READ AWAY FROM CONNECTOR.

12 ASSEMBLE SEALING PLUGS, ITEM 15, IN SPARE CONNECTOR INSERT HOLES OF ITEM 5.

13 SERIALIZE PER ND1002023.

14 MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

CODE IDENT NO. 99974 | SIZE A | 2900675
SCALE-NONE | REV LTR B | SHEET 2 OF 10

MIL 2074 3-63 WIR

CABLE ASSEMBLY W159 2900675 B

NOTE NUMBER

GENERAL NOTES DESCRIPTION

15 ITEMS 6 AND 8 FURNISHED WITH ITEM 4.

16 ITEM 7 FURNISHED WITH ITEM 5.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

CODE IDENT NO. 99974 | SIZE A | 2900675
SCALE-NONE | REV LTR B | SHEET 3 OF 10

MIL 2074 3-63 WIR

CABLE ASSEMBLY W159 2900675 B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900675-001	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG WHT/BLU, WHT/RED, 24 FT 4 IN. TOTAL LENGTH
	2		2900675-002	DELETED
	3	1	2900675-003	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG WHT 16FT TOTAL LENGTH
15	4	1	MS3126F-24-61S	(1897048-610) CONNECTOR PLUG ELECTRICAL
16	5	1	1897250-011	CONNECTOR, PLUG-ELECTRICAL
	6		MS3193A-20A	(1896877-020) CONTACT SOCKETS
6	7		1897190- 1	CONTACT PIN
6	8	1	1016282- 24	GROMMET, CONNECTOR STRAIN RELIEF
6	9	1	1016282- 14	GROMMET, CONNECTOR STRAIN RELIEF
6	10	1	1010933-103	CLAMP STRAIN RELIEF
6	11	18	1010490-222	INSULATION SLEEVING ELECTRICAL
6	12	1	1016128-011	BAND IDENTIFICATION
6	13	2	1016128-041	BAND IDENTIFICATION
	14	1	2900675-004	ZIPPER TUBING PER ND1002155, TYPE 1, GRAY, .75 DIA, 32 IN. TOTAL LENGTH
	15	14	1010958- 1	PLUG SEALING
	16	AR	1901390	FILLER TAPE

CODE IDENT NO. 99974 | SIZE A | 2900675
SCALE-NONE | REV LTR B | SHEET 4 OF 10

MIL 2074 3-63 WIR

CABLE ASSEMBLY W159 2900675 B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK, ES2732 NO. 18

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900675
SCALE-NONE | REV LTR B | SHEET 5 OF 10

MIL 2084 4-63

CABLE ASSEMBLY W159 2900675 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.30 2.30	2.00 2.00				7 7	11 11	
A	1L		P1-W* P2-14					.25 .18	NO NO		6 7	
A	1R		P1-X* P2-4					.25 .18	NO NO		6 7	
A	2	1			2.30 2.30	2.00 2.00				7 7	11 11	
A	2L		P1-U* P2-23					.25 .18	NO NO		6 7	
A	2R		P1-V* P2-11					.25 .18	NO NO		6 7	
A	3	1			2.30 2.30	2.30 2.00				7 7	11 11	
A	3L		P1-S* P2-26					.25 .18	NO NO		6 7	
A	3R		P1-T* P2-9					.25 .18	NO NO		6 7	
A	4		DELETED									
A	4L		DELETED									
A	4R		DELETED									

CODE IDENT NO.	SIZE		
99974	A	2900675	
SCALE - NONE	REV LTR ~~A~~ B		SHEET 6 OF 10

CABLE ASSEMBLY W159 2900675 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4Y		DELETED									
A	5	3	P1-N* P2-29					.25 .18	NO NO		6 7	
A	6	3	P1-M* P2-44					.25 .18	NO NO		6 7	
A	7	3	P1-K* P2-41					.25 .18	NO NO		6 7	
A	8	3	P1-J* P2-28					.25 .18	NO NO		6 7	
A	9	3	P1-I* P2-43					.25 .18	NO NO		6 7	
A	10	3	P1-H* P2-40					.25 .18	NO NO		6 7	
A	11	1			2.30 2.30	2.00 2.00				7 7	11 11	
A	11L		P1-NN P2-36					.25 .18	NO NO		6 7	
A	11R		P1-PP P2-37					.25 .18	NO NO		6 7	
A	12	1			2.30 2.30	2.00 2.00				7 7	11 11	
A	12L		P1-LL P2-15					.25 .18	NO NO		6 7	

CODE IDENT NO.	SIZE		
99974	A	2900675	
SCALE - NONE	REV LTR ~~A~~ B		SHEET 7 OF 10

CABLE ASSEMBLY W159 2900675 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	12R		P1-MM P2-32					.25 .18	NO NO		6 7	
A	13	1			2.80 2.80	2.50 2.50				7 7	11 11	
A	13L		P1-JJ P2-8					.25 .18	NO NO		6 7	
A	13R		P1-KK P2-20					.25 .18	NO NO		6 7	
A	14	1			2.80 2.80	2.50 2.50				7 7	11 11	
A	14L		P1-GG P2-17					.25 .18	NO NO		6 7	
A	14R		P1-HH P2-34					.25 .18	NO NO		6 7	
A	15	1			2.80 2.80	2.50 2.50				7 7	11 11	
A	15L		P1-EE P2-39					.25 .18	NO NO		6 7	
A	15R		P1-FF P2-38					.25 .18	NO NO		6 7	
A	16	1			2.80 2.80	2.50 2.50				7 7	11 11	
A	16L		P1-CC P2-1					.25 .18	NO NO		6 7	

CODE IDENT NO.	SIZE		
99974	A	2900675	
SCALE - NONE	REV LTR ~~A~~ B		SHEET 8 OF 10

CABLE ASSEMBLY W159 2900675 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	16R		P1-DD P2-6					.25 .18	NO NO		6 7	
A	17		DELETED									
A	17L		DELETED									
A	17R		DELETED									
A	18		DELETED									
A	18L		DELETED									
A	18R		DELETED									

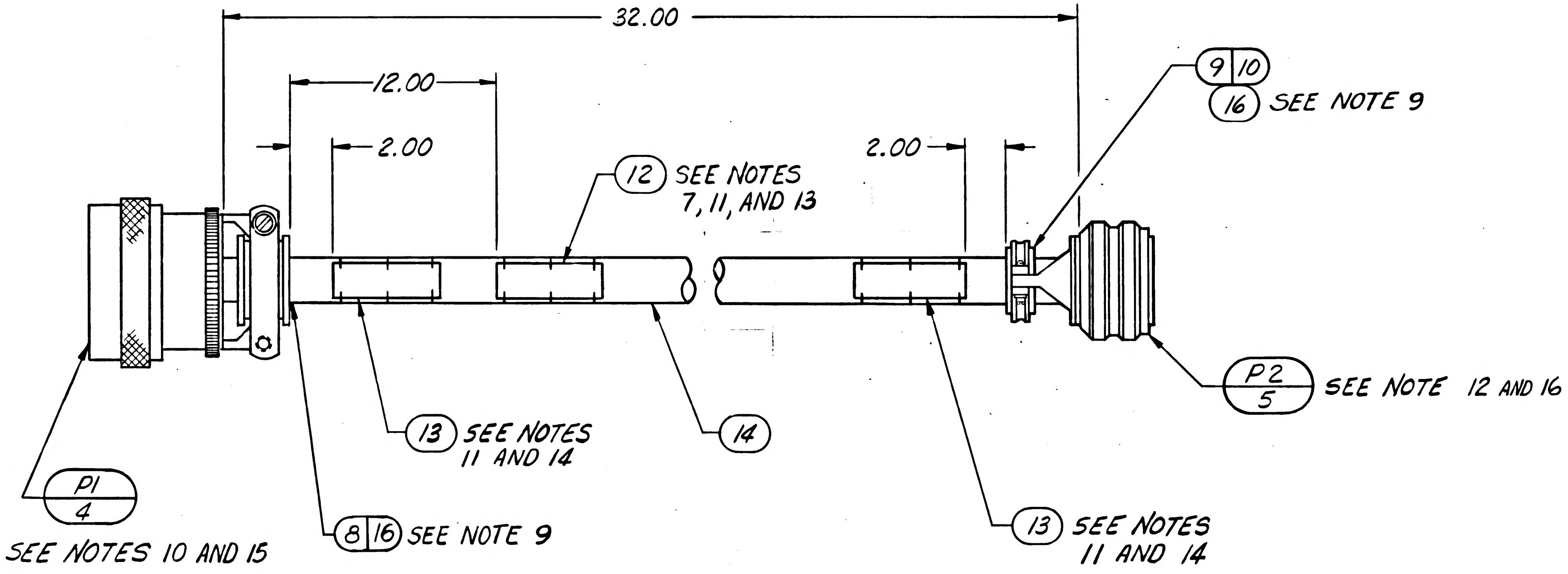
CODE IDENT NO.	SIZE		
99974	A	2900675	
SCALE - NONE	REV LTR ~~A~~ B		SHEET 9 OF 10

REVISIONS TDRR 24761

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD			

TABLE I

PLUG NO.	MARKING
P1	W159-P1(J1-TPA-1)
P2	W159-P2(J15-PEA)


32.00
12.00
2.00
2.00
9 | 10
16 SEE NOTE 9
12 SEE NOTES 7, 11, AND 13
13 SEE NOTES 11 AND 14
14
P1 / 4
SEE NOTES 10 AND 15
8 | 16 SEE NOTE 9
13 SEE NOTES 11 AND 14
P2 / 5 SEE NOTE 12 AND 16

2900712-011	1900030
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ — + — + —
- — - — - —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN T. Kanuski DATE 20 JUL 65
CHECKED A. Udovich 30 Jul 65
APPROVAL E Swenson 5 Aug 65
APPROVAL J. M Watson 12-17-65
NASA APPROVAL A. Metzger/RST (Phone Approval)
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

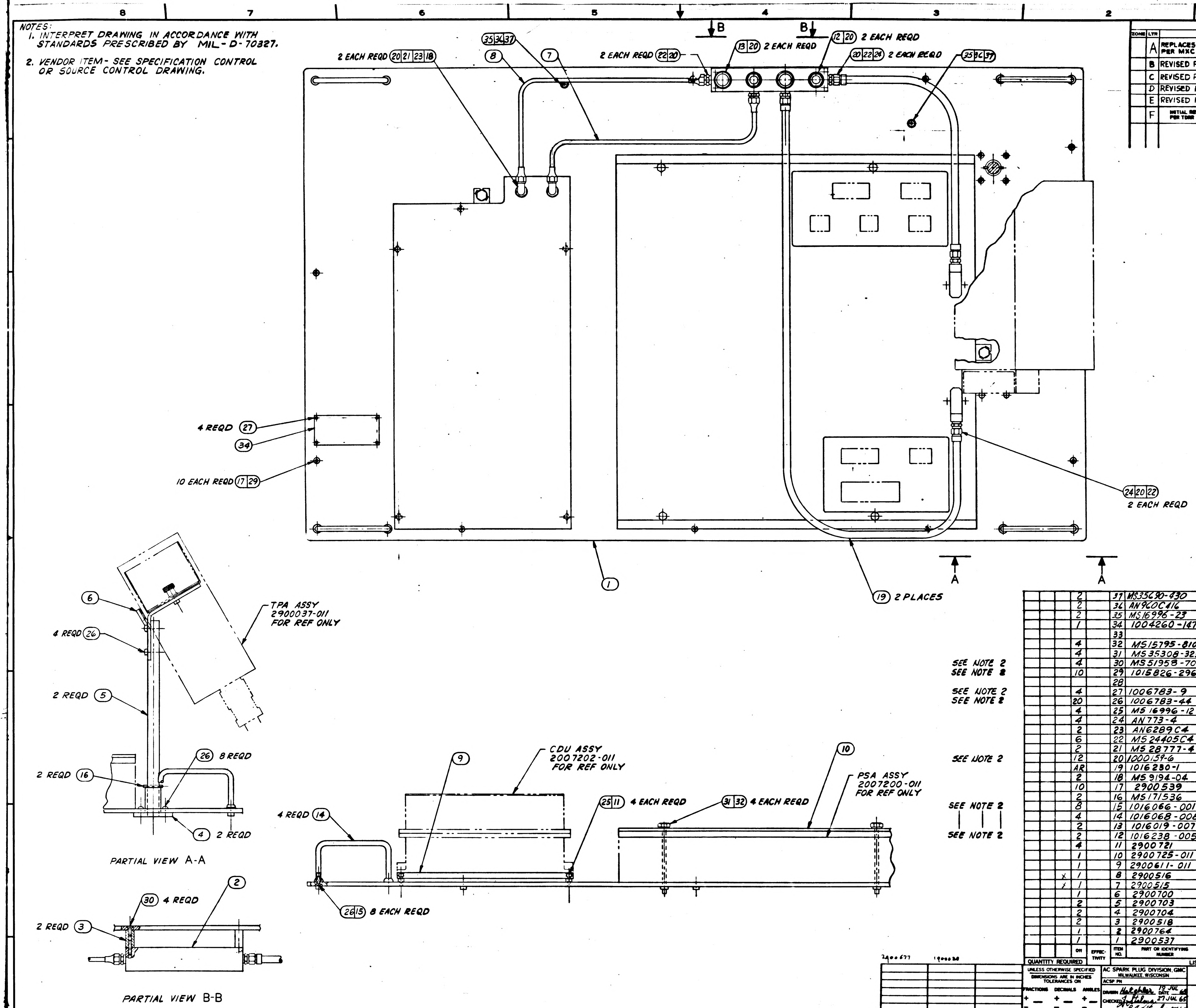
CABLE ASSEMBLY
SPECIAL PURPOSE
ELECTRICAL W159

CODE IDENT NO. 99974
SIZE C
2900675
SCALE —
SHEET 10 OF 10

MIL 1077C—P

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REPLACES REV(-) WITH CHANGE PER MXC 204571		7 SEP 65	J J J JAC
	B	REVISED PER MXC 204957		16 SEP 65	MHG
	C	REVISED PER MXC 205656		4 OCT 65	J.H.P.
	D	REVISED PER MXC 205874		65	
	E	REVISED PER MXC 206097		9 OCT 65	
	F	INITIAL RELEASE CLASS A PER TDRR 25566			


B
B
2 EACH REQD 20 21 23 18
35 36 37
8
7
2 EACH REQD 22 20
13 20 2 EACH REQD
12 20 2 EACH REQD
20 22 24 2 EACH REQD
25 36 37
4 REQD 27
34
10 EACH REQD 17 29
24 20 22
2 EACH REQD
1
19 2 PLACES
A
A
6
4 REQD 26
TPA ASSY
2900037-011
FOR REF ONLY
2 REQD 5
2 REQD 16
26 8 REQD
4 2 REQD
PARTIAL VIEW A-A
2
30 4 REQD
2 REQD 3
PARTIAL VIEW B-B
9
CDU ASSY
2007202-011
FOR REF ONLY
25 11 4 EACH REQD
31 32 4 EACH REQD
10
PSA ASSY
2007200-011
FOR REF ONLY
4 REQD 14
26 15 8 EACH REQD

				2		37	MS35690-430	NUT
				2		36	AN960C416	(1897006-042) WASHER, FLAT.
				2		35	MS16996-23	SCREW, CAP
				1		34	1004260-147	NAMEPLATE
						33		
				4		32	MS15795-810	WASHER, FLAT
				4		31	MS35308-323	SCREW, CAP HEX HD
SEE NOTE 2				4		30	MS51958-70	SCREW, MACHINE
SEE NOTE 2				10		29	1015826-296	SCREW, FLAT HD 82°
						28		
SEE NOTE 2				4		27	1006783-9	SCREW, BUTTON HD
SEE NOTE 2				20		26	1006783-44	SCREW, BUTTON HD
				4		25	MS16996-12	SCREW, CAP, SOCKET HD
				4		24	AN773-4	FITTING ASSEMBLY
				2		23	AN6289C4	(1896910-304) NUT, FLARED TUBE
				6		22	MS24405C4	(1896909-304) ADAPTER
				2		21	MS28777-4	RING, GASKET BACK-UP
SEE NOTE 2				12		20	1000159-6	PACKING, PREFORMED
				AR		19	1016230-1	TUBING, FLEXIBLE
				2		18	MS9194-04	ELBOW, TUBE - 90°
				10		17	2900539	NUT, PLAIN, ROUND
				2		16	MS171536	PIN, SPRING
SEE NOTE 2				8		15	1016066-001	FERRULE
				4		14	1016068-008	HANDLE
				2		13	1016019-007	COUPLING, HALF (FEMALE)
SEE NOTE 2				2		12	1016238-005	COUPLING, HALF (MALE)
				4		11	2900721	SPACER, SLEEVE
				1		10	2900725-011	COLDPLATE, PSA BLK II
				1		9	2900611-011	COLDPLATE, CDU
			x	1		8	2900516	TUBING, METAL (INSEP ASSY)
			x	1		7	2900515	TUBING, METAL (INSEP ASSY)
				1		6	2900700	BRACKET, TPA MTG (INSEP ASSY)
				2		5	2900703	POST
				2		4	2900704	SUPPORT, POST (INSEP ASSY)
				2		3	2900518	SPACER
				1		2	2900764	MANIFOLD, COOLING
				1		1	2900537	PLATE, MOUNTING (INSEP ASSY)
	QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

2900677 1900030

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	~~2900030~~	011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Hatchler DATE 19 JUL 65
CHECKED 27 JUL 65
APPROVAL R C
APPROVAL 1-21-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 1-25-66

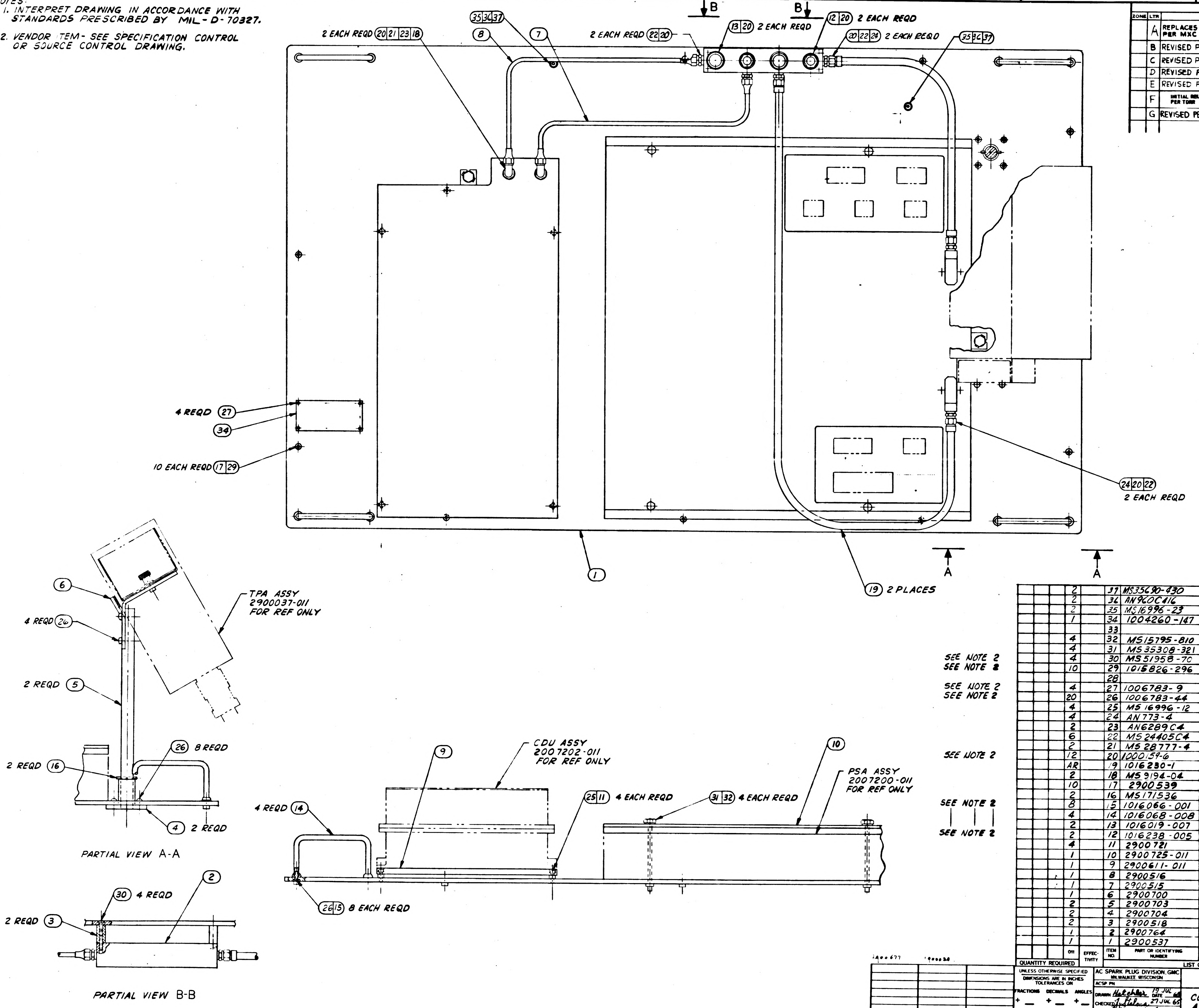
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COMPONENT MOUNTING PLATE
ASSEMBLY, SUB SYSTEM
FIXTURE - BLOCK II

CODE IDENT NO. 99974
SIZE E
2900677
SCALE 1:2
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REPLACES REV (-) WITH CHANGE PER MXC 204571		7 SEP 65	JJJ JRC
	B	REVISED PER MXC 204957		16 SEP 65	PHG
	C	REVISED PER MXC 205656		4 OCT 65	JHP
	D	REVISED PER MXC 205874			
	E	REVISED PER MXC 206097			
	F	INITIAL RELEASE CLASS A PER TDRR 25566			
	G	REVISED PER TDRR 27891		18 APR 66	


B
B
2 EACH REQD (20)(21)(23)(18)
(35)(34)(37)
(8)
(7)
2 EACH REQD (22)(20)
(13)(20) 2 EACH REQD
(12)(20) 2 EACH REQD
(20)(22)(24) 2 EACH REQD
(35)(36)(37)
4 REQD (27)
(34)
10 EACH REQD (17)(29)
(24)(20)(22) 2 EACH REQD
(1)
(19) 2 PLACES
A
A
(6)
TPA ASSY 2900037-011 FOR REF ONLY
4 REQD (26)
2 REQD (5)
2 REQD (16)
(26) 8 REQD
(4) 2 REQD
(30) 4 REQD
(2)
2 REQD (3)
CDU ASSY 2007202-011 FOR REF ONLY
(9)
(10)
PSA ASSY 2007200-011 FOR REF ONLY
4 REQD (14)
(25)(11) 4 EACH REQD
(31)(32) 4 EACH REQD
(26)(15) 8 EACH REQD

PARTIAL VIEW A-A

PARTIAL VIEW B-B

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	2		37	MS35690-430	NUT
	2		36	AN960C416	(1897006-042) WASHER, FLAT.
	2		35	MS16996-23	SCREW, CAP
	1		34	1004260-147	NAMEPLATE
			33		
	4		32	MS15795-810	WASHER, FLAT
	4		31	MS35308-321	SCREW, CAP HEX HD
SEE NOTE 2	4		30	MS51958-70	SCREW, MACHINE
SEE NOTE 2	10		29	1015826-296	SCREW, FLAT HD 82°
			28		
SEE NOTE 2	4		27	1006783-9	SCREW, BUTTON HD
SEE NOTE 2	20		26	1006783-44	SCREW, BUTTON HD
	4		25	MS16996-12	SCREW, CAP SOCKET HD
	4		24	AN773-4	FITTING ASSEMBLY
	2		23	AN6289C4	(1896910-304) NUT, FLARED TUBE
	6		22	MS24405C4	(1896909-304) ADAPTER
	2		21	MS28777-4	RING, GASKET BACK-UP
SEE NOTE 2	12		20	1000159-6	PACKING, PREFORMED
	AR		19	1016230-1	TUBING, FLEXIBLE
	2		18	MS9194-04	ELBOW, TUBE - 90°
	10		17	2900539	NUT, PLAIN, ROUND
	2		16	MS171536	PIN, SPRING
SEE NOTE 2	8		15	1016066-001	FERRULE
	4		14	1016068-008	HANDLE
	2		13	1016019-007	COUPLING, HALF (FEMALE)
SEE NOTE 2	2		12	1016238-005	COUPLING, HALF (MALE)
	4		11	2900721	SPACER, SLEEVE
	1		10	2900725-011	COLDPLATE, PSA BLK II
	1		9	2900611-011	COLDPLATE, CDU
	1		8	2900516	TUBING, METAL (INSEP ASSY)
	1		7	2900515	TUBING, METAL (INSEP ASSY)
	1		6	2900700	BRACKET, TPA MTG (INSEP ASSY)
	2		5	2900703	POST
	2		4	2900704	SUPPORT, POST (INSEP ASSY)
	2		3	2900518	SPACER
	1		2	2900764	MANIFOLD, COOLING
	1		1	2900537	PLATE, MOUNTING (INSEP ASSY)

LIST OF PARTS AND MATERIALS

2900677 1900030

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	2900030 ~~011~~	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

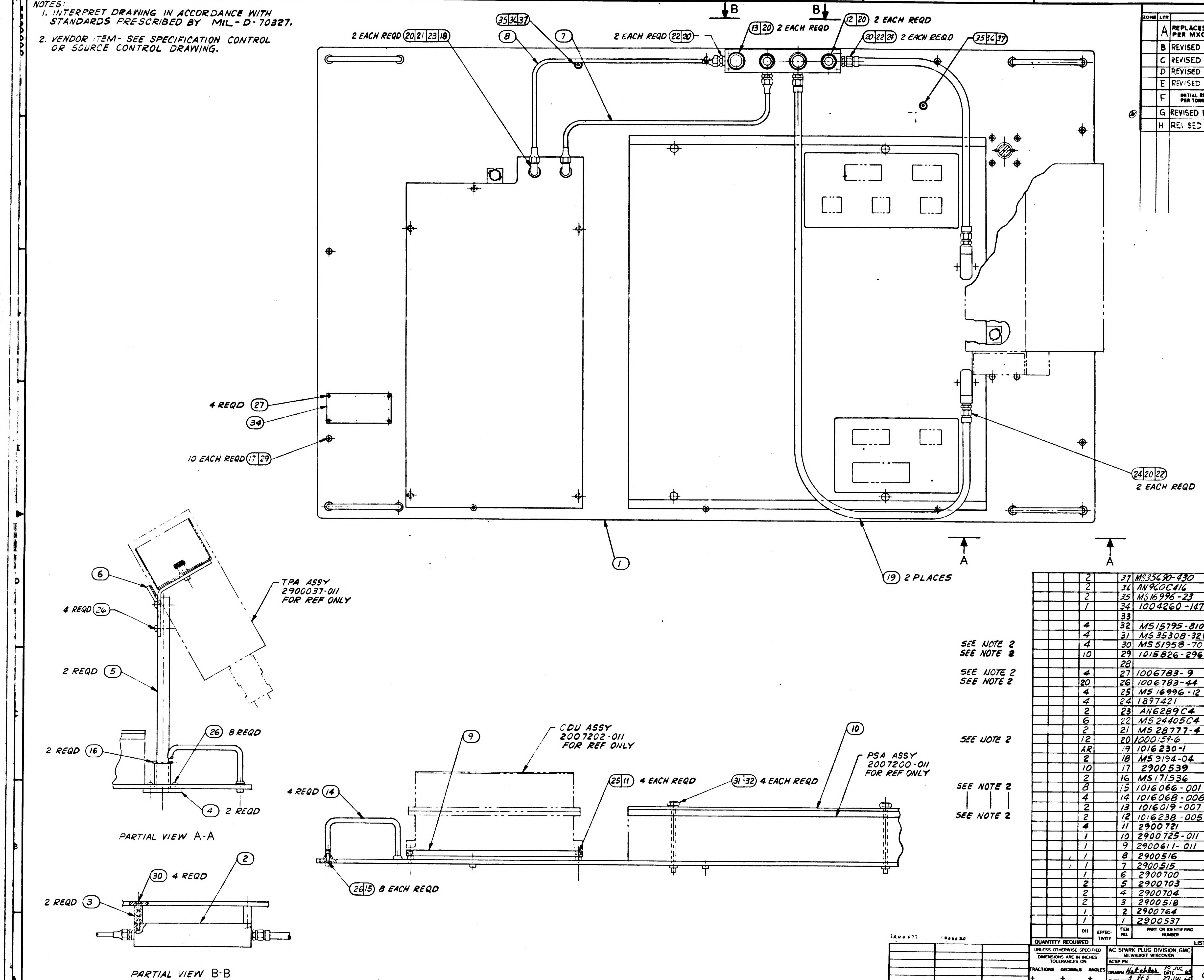
AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Hatchler 19 JUL 65
CHECKED J. Stelova 27 JUL 65
APPROVAL R.C. [illegible]
APPROVAL [illegible] 1-21-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COMPONENT MOUNTING PLATE
ASSEMBLY, SUB SYSTEM
FIXTURE - BLOCK II

CODE IDENT NO. 99974
SIZE E
2900677
SCALE 1:2
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.


B
B
2 EACH REQD 20 21 23 18
35 36 37
8
7
2 EACH REQD 22 20
13 20 2 EACH REQD
12 20 2 EACH REQD
20 22 24 2 EACH REQD
35 36 37
4 REQD 27
34
10 EACH REQD 17 29
24 20 22 2 EACH REQD
1
19 2 PLACES
A
A
6
TPA ASSY 2900037-011 FOR REF ONLY
4 REQD 26
2 REQD 5
26 8 REQD
2 REQD 16
4 2 REQD
PARTIAL VIEW A-A
30 4 REQD
2
2 REQD 3
PARTIAL VIEW B-B
CDU ASSY 2007202-011 FOR REF ONLY
9
10
PSA ASSY 2007200-011 FOR REF ONLY
4 REQD 14
25 11 4 EACH REQD
31 32 4 EACH REQD
26 15 8 EACH REQD

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REPLACES REV(-) WITH CHANGE PER MXC 204571		7 SEP 65	J J J JEC
	B	REVISED PER MXC 204957		16 SEP 65	PHG
	C	REVISED PER MXC 205656		[illegible]	JHP
	D	REVISED PER MXC 205874		[illegible]	[illegible]
	E	REVISED PER MXC 206097		[illegible]	[illegible]
	F	INITIAL RELEASE CLASS A PER TDRR 25566			[illegible]
	G	REVISED PER TDRR 27891		18 APR 66	[illegible]
	H	REVISED PER TDRR 28963		[illegible]	[illegible]

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				2		37	MS35690-430	NUT
				2		36	AN960C416	(1897006-042) WASHER, FLAT.
				2		35	MS16996-23	SCREW, CAP
				1		34	1004260-147	NAMEPLATE
						33		
				4		32	MS15795-810	WASHER, FLAT
				4		31	MS35308-321	SCREW, CAP HEX HD
SEE NOTE 2				4		30	MS51958-70	SCREW, MACHINE
SEE NOTE 2				10		29	1015826-296	SCREW, FLAT HD 82°
						28		
SEE NOTE 2				4		27	1006783-9	SCREW, BUTTON HD
SEE NOTE 2				20		26	1006783-44	SCREW, BUTTON HD
				4		25	MS16996-12	SCREW, CAP SOCKET HD
				4		24	1897421	FITTING ASSEMBLY
				2		23	AN6289C4	(1896910-304) NUT, FLARED TUBE
				6		22	MS24405C4	(1896909-304) ADAPTER
				2		21	MS28777-4	RING, GASKET BACK-UP
SEE NOTE 2				12		20	1000159-6	PACKING, PREFORMED
				AR		19	1016230-1	TUBING, FLEXIBLE
				2		18	MS9194-04	ELBOW, TUBE - 90°
				10		17	2900539	NUT, PLAIN, ROUND
				2		16	MS171536	PIN, SPRING
SEE NOTE 2				8		15	1016066-001	FERRULE
				4		14	1016068-008	HANDLE
				2		13	1016019-007	COUPLING, HALF (FEMALE)
SEE NOTE 2				2		12	1016238-005	COUPLING, HALF (MALE)
				4		11	2900721	SPACER, SLEEVE
				1		10	2900725-011	COLDPLATE, PSA BLK II
				1		9	2900611-011	COLDPLATE, CDU
				1		8	2900516	TUBING, METAL (INSEP ASSY)
				1		7	2900515	TUBING, METAL (INSEP ASSY)
				1		6	2900700	BRACKET, TPA MTG (INSEP ASSY)
				2		5	2900703	POST
				2		4	2900704	SUPPORT, POST (INSEP ASSY)
				2		3	2900518	SPACER
				1		2	2900764	MANIFOLD, COOLING
				1		1	2900537	PLATE, MOUNTING (INSEP ASSY)

LIST OF PARTS AND MATERIALS

2900677 1900030

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	2900030	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Hatchler DATE 19 JUL 65
CHECKED [illegible] 27 JUL 65
APPROVAL R. C. [illegible] 27 AUG 65
APPROVAL [illegible] 1-21-66
NASA APPROVAL A. C. [illegible]
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

COMPONENT MOUNTING PLATE
ASSEMBLY, SUB SYSTEM
FIXTURE - BLOCK II

CODE IDENT NO 99974
SIZE E
2900677
SCALE 1:2
SHEET 1 OF 1

23412

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900028-011	2900023-011	A	REVISED PER DO. 61058	27-SEP-65	GM
	Ⓜ	B	INITIAL RELEASE CLASS A PER TDRR 23412	20 OCT 65	RK / HB

REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
SHEET	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49

REV STATUS OF SHEETS	REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Weissert DATE 7 SEP 65
CHECKED 7 SEP 65
APPROVAL 8 SEP 65
APPROVAL Gelman 10/20/65

NASA APPROVAL
MIT APPROVAL 65

CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RUNNING LIST-
ELECTRICAL TEST
SELECTOR PANEL

CODE IDENT NO.	SIZE		REV
99974	A	2900678	B

SCALE —

SHEET 1 OF 75

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
50	B														
51	B														
52	B														
53	B														
54	B														
55	B														
56	B														
57	B														
58	B														
59	B														
60	B														
61	B														
62	B														
63	B														
64	B														
65	B														
66	B														
67	B														
68	B														
69	B														
70	B														
71	B														
72	B														
73	B														
74	B														
75	B														

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION B

NASA DRAWING NO.
2900678
SHEET 2 OF 75

INSERT	INSERT POSITIONS DEGREES				
ARR	P	PW	PX	PY	
-61	0°	90°	180°	270°	

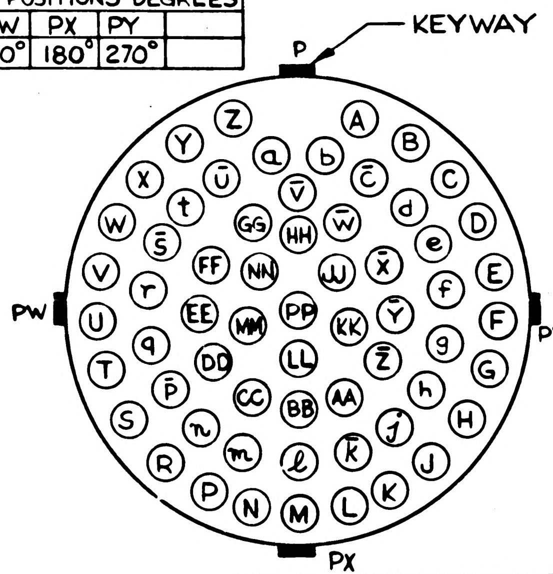

KEYWAY
P
PW
PY
PX

FIGURE 1

FIGURE 2

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	B	2900678 SHEET 3 OF 75

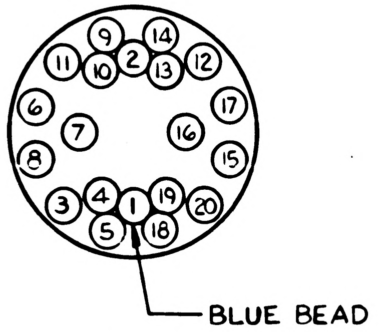


FIGURE 3

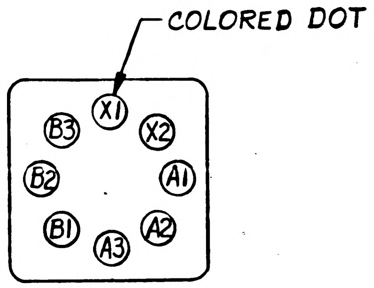

COLORED DOT
X1
X2
A1
A2
A3
B1
B2
B3

FIGURE 4

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO
	B	2900678 SHEET 4 OF 75

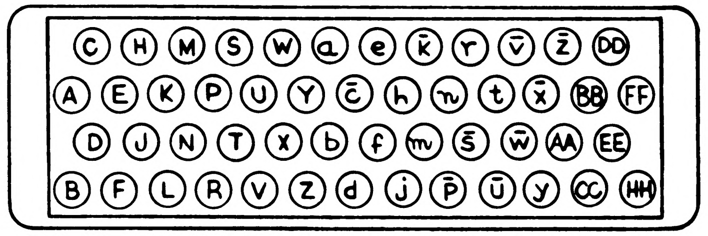


FIGURE 5

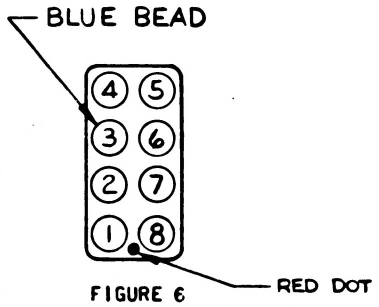

BLUE BEAD
RED DOT

FIGURE 6

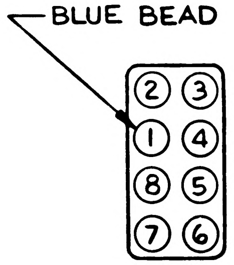

BLUE BEAD

FIGURE 7

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	B	2900678 SHEET 5 OF 75

29

MARK NO. 1

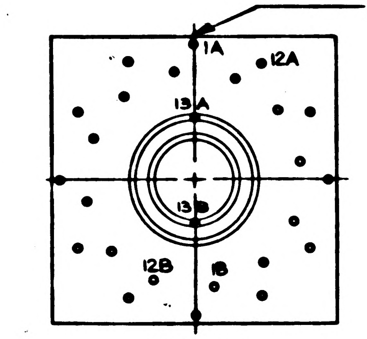

1A
12A
13A
13B
12B
1B

FIGURE 8

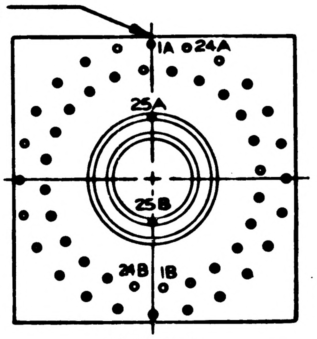

1A
24A
25A
25B
24B
1B

FIGURE 9

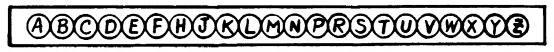


FIGURE 10

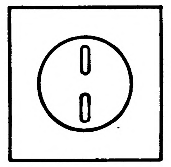


FIGURE 11

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	B	2900678 SHEET 6 OF 75

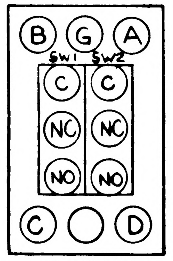


FIGURE 12

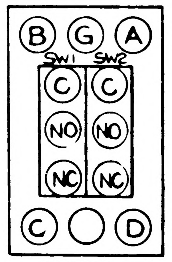


FIGURE 13

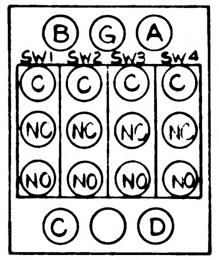


FIGURE 14

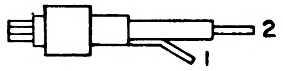


FIGURE 15

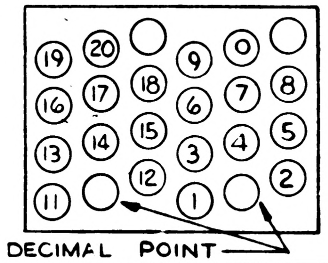


FIGURE 16

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION B	NASA DRAWING NO. 2900678 SHEET 7 OF 75

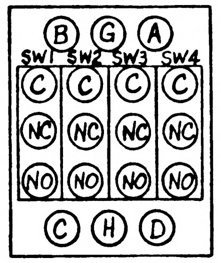


FIGURE 17

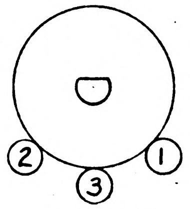


FIGURE 18
TYPICAL FOR SECTION A- AND -B

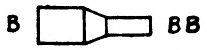


FIGURE 19

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION B	NASA DRAWING NO. 2900678 SHEET 8 OF 75

PENNANT NOTE	GENERAL NOTES
1	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
3	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER. A - SHIELD LEAD ON FROM END B - SHIELD LEAD ON TO END L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER Y - WHITE WITH YELLOW TRACER
4	ALL PART NUMBERS ARE FOR REFERENCE ONLY
5	DRAWINGS FOR REFERENCE 2900028-011 ASSEMBLY 2900295 SCHEMATIC 2900293 WIRING HARNESS A 2900294 WIRING HARNESS B 2900296 WIRE LIST A-A 2900297 WIRE LIST B-B
6	WIRING END OF ELECTRICAL PARTS AND SOCKETS SHOWN. FRONT FACE OF PIN CONNECTORS SHOWN, SOCKET CONNECTORS OPPOSITE.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE - NONE	REV LTR ~~A~~ B	SHEET 9 OF 75

MIL 2094 4-53

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	E1		TERMINAL LUG 1015902-46 FIGURE 2		
E1	J1-A	A 1			
	E2		SPLICE REDUCER 1016006-003 FIGURE 19		
E2	SHLD A260	A 260A			
E2	SHLD A301	A 301A			
E2	SHLD A367	A 367A			
E2	SHLD A376	A 376A			
E2	SHLD A379	A 379A			
E2	SHLD A381	A 381A			
E2	SHLD A382	A 382A			
E2	SHLD A385	A 385A			
E2	SHLD A386	A 386A			
E2	E24	A 475			
E2	SHLD .A485	A 485A			
	E5		SPLICE REDUCER 1016006-003 FIGURE 19		
E5	K15-9	A 73			
E5	K61-4	A 230			
E5	K69-7	A 239			
E5	K68-16	A 248			
E5	K67-16	A 250			
E5	K60-16	A 252			
E5	K64-10	A 290			
E5	K43-6	A 489			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE - NONE	REV LTR ~~A~~ B	SHEET 10 OF 75

MIL 2094 4-53

E6 SPLICE REDUCER 1016006-001 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E6	K22-15	A 104			
E6	J16-C	A 105			
E6	K53-10	A 123			
E6	K15-15	A 244			
E6	K23-15	A 293			
E6	K14-12	A 305			

E7 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E7	K14-13	A 306			
E7	K20-2	A 309			
E7	K21-2	A 325			
E7	K13-7	A 328			
E7	K18-2	A 357			
E7	K19-2	A 358			
E7	E18	A 473			

E8 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E8	K27-3	A 363			
E8	K34-15	A 388			
E8	K35-15	A 396			
E8	K36-18	A 402			
E8	K37-15	A 417			
E8	K26-3	A 436			
E8	K28-3	A 439			
E8	K29-3	A 444			
E8	K18-3	A 448			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 11 OF 75

MIL 2064 4-63

(CONT.) E8 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E8	K19-3	A 452			
E8	J14-HH	A 453			

E9 SPLICE REDUCER 1016006-001 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E9	J1-V	A 381L			
E9	K29-12	A 382L			

E10 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E10	K34-4	A 395			
E10	K35-12	A 397			
E10	K36-4	A 406			
E10	K37-12	A 416			
E10	K27-13	A 418			
E10	K26-13	A 435			
E10	K28-13	A 440			
E10	K29-13	A 441			
E10	K18-13	A 445			
E10	K19-13	A 450			
E10	J14-FF	A 454			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 12 OF 75

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E11 SPLICE REDUCER 1016006-001 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E11	P15-B*	B 1			
E11	SHLD B148	B 148A			
E11	SHLD B149	B 149A			

E12 TERMINAL LUG 1015902-46 FIGURE 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E12	E23	B 91			

E14 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E14	J1-AA	A 30			
E14	J2-H*	A 31			
E14	K5-5	A 99			
E14	K20-9	A 317			
E14	K21-9	A 323			
E14	K18-6	A 447			
E14	K19-6	A 451			
E14	E15	A 471			
E14	E16	A 472			

E15 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E15	K26-6	A 360			
E15	K27-6	A 365			
E15	K34-6	A 393			
E15	K35-6	A 399			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 13 OF 75

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(CONT.) E15 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E15	K36-9	A 404			
E15	K37-3	A 414			
E15	K28-6	A 438			
E15	K29-6	A 443			
E15	E14	A 471			

E16 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E16	J16-A	A 32			
E16	K61-3	A 238			
E16	K69-3	A 240			
E16	K68-15	A 249			
E16	K67-15	A 251			
E16	K60-15	A 253			
E16	K57-3	A 279			
E16	J8-K	A 361			
E16	E14	A 472			
E16	K43-1	A 491			
E16	K39-5	A 496			

E18 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E18	K27-2	A 353			
E18	K28-2	A 354			
E18	K29-2	A 355			
E18	K26-2	A 356			
E18	K36-2	A 408			
E18	K35-2	A 409			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 14 OF 75

MIL 2064 4-63

FROM TO LEAD NO C I R C U I T F U N C T I O N PEN NOTE WIRE CODE

(CONT.) E18 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E18	K34-2	A 410
E18	K37-2	A 411
E18	E7	A 473

E19 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E19	J15-A•	A 5
E19	K70-2	A 13
E19	K64-2	A 29
E19	K53-2	A 122
E19	K72-X2	A 142
E19	K54-2	A 166
E19	K55-2	A 185
E19	K56-2	A 192
E19	K61-10	A 237
E19	E20	A 476
E19	K71-7	A 480
E19	K48-7	A 483
E19	K48-4	A 484

E20 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E20	J3-M•	A 4
E20	J6-Z	A 23
E20	K22-2	A 53
E20	K14-2	A 65
E20	K15-2	A 69
E20	K23-2	A 96

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900678
SCALE-NONE | REV LTR B | SHEET 15 OF 75

FROM TO LEAD NO C I R C U I T F U N C T I O N PEN NOTE WIRE CODE

(CONT.) E20 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E20	J8-Z	A 130
E20	J6-U	A 208
E20	K20-7	A 314
E20	E19	A 476

E21 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E21	K20-10	A 316
E21	K21-10	A 322
E21	K26-7	A 359
E21	K27-7	A 366
E21	K34-7	A 387
E21	K35-7	A 398
E21	K36-10	A 403
E21	K37-4	A 413
E21	K28-7	A 437
E21	K29-7	A 442
E21	K18-7	A 446
E21	K19-7	A 449
E21	E22	A 477

E22 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E22	K70-19	A 14
E22	J15-B	A 15
E22	K71-4	A 22
E22	J16-B	A 33
E22	K23-10	A 97

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900678
SCALE-NONE | REV LTR B | SHEET 16 OF 75

FROM TO LEAD NO C I R C U I T F U N C T I O N PEN NOTE WIRE CODE

(CONT.) E22 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E22	K5-2	A 100
E22	K44-8	A 174
E22	K45-8	A 177
E22	K46-8	A 202
E22	K61-13	A 229
E22	E21	A 477

E23 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E23	P15-A•	B 2
E23	XDS11-G	B 6
E23	XDS5-G	B 12
E23	S4SW2-C	B 16
E23	XDS2-G	B 20
E23	XDS1-G	B 27
E23	XDS4-G	B 34
E23	XDS6-G	B 51
E23	XDS10-G	B 67
E23	S14SW2-C	B 71
E23	XDS9-G	B 75
E23	XDS8-G	B 82
E23	E12	B 91
E23	XDS7-G	B 107

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900678
SCALE-NONE | REV LTR B | SHEET 17 OF 75

FROM TO LEAD NO C I R C U I T F U N C T I O N PEN NOTE WIRE CODE

E24 SPLICE REDUCER 1016006-003 FIGURE 19

FROM	TO	LEAD NO
E24	J3-N•	A 2
E24	J15-B•	A 3
E24	SHLD A254	A 254A
E24	SHLD A255	A 255A
E24	SHLD A256	A 256A
E24	SHLD A257	A 257A
E24	SHLD A258	A 258A
E24	SHLD A259	A 259A
E24	SHLD A289	A 289A
E24	E2	A 475

E25 SPLICE REDUCER 1016006-001 FIGURE 19

FROM	TO	LEAD NO
E25	P15-B	B 4
E25	XF1-J	B 5
E25	S14SW1-NO	B 70
E25	S13SW1-NO	B 78
E25	S12SW1-NO	B 85
E25	S11SW1-C	B 110

J1 61 PIN CONNECTOR MS3127E24-61P (1897055-610) FIGURE 1

FROM	TO	LEAD NO
J1-A	E1	A 1
J1-M	K57-13	A 260R
J1-N	K57-16	A 260L
J1-U	J6-P	A 381R
J1-V	E9	A 381L
J1-W	K69-6	A 241

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900678
SCALE-NONE | REV LTR B | SHEET 18 OF 75

JBW RUNNING LIST 2900678 19

(CONT.) J1 61 PIN CONNECTOR MS3127E24-61P (1897055-610) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-X	K37-16	A 385Y			
J1-Y	K37-13	A 385L			
J1-Z	K37-10	A 385R			
J1-A•	K36-19	A 379Y			
J1-B•	K36-13	A 379R			
J1-C•	K36-16	A 379L			
J1-D•	K35-16	A 376Y			
J1-E•	K35-13	A 376L			
J1-F•	K35-10	A 376R			
J1-G•	K34-16	A 367Y			
J1-H•	K34-10	A 367R			
J1-I•	K34-13	A 367L			
J1-J•	K64-3	A 27			
J1-K•	K64-5	A 28			
J1-M•	K64-1	A 26			
J1-Q•	K54-9	A 161			
J1-R•	J1-HH	A 139			
J1-U•	K61-12	A 227			
J1-V•	K61-9	A 228			
J1-AA	E14	A 30			
J1-CC	K72-X1	A 141			
J1-DD	K72-B3	A 140			
J1-EE	K54-10	A 160			
J1-FF	K55-10	A 190			
J1-GG	K56-10	A 194			
J1-HH	J1-R•	A 139			
J1-JJ	K69-1	A 486			
J1-LL	K43-5	A 490			
J1-MM	J5-K	A 467			
J1-NN	K55-12	A 207			
J1-PP	K37-9	A 488			

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JBW RUNNING LIST 2900678 20

J2 61 PIN CONNECTOR MS3127E24-61PW (1897055-611) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J2-A	K39-6	A 494			
J2-B	J15-P•	A 499			
J2-C	J15-N•	A 500			
J2-M	K22-9	A 34			
J2-P	K71-6	A 11			
J2-R	K70-1	A 7			
J2-S	K71-1	A 19			
J2-T	J15-A	A 6			
J2-U	K70-18	A 8			
J2-V	K71-12	A 16			
J2-W	K71-15	A 17			
J2-Z	K22-9	A 35			
J2-B•	J13-N•	A 485Y			
J2-D•	J13-M•	A 485L			
J2-F•	J13-K•	A 485R			
J2-H•	E14	A 31			
J2-I•	K57-15	A 301W			
J2-M•	K71-18	A 18			
J2-Q•	K20-3	A 311			
J2-W•	K27-4	A 362			
J2-X•	K28-4	A 375			
J2-Z•	K20-6	A 312			
J2-AA	K13-1	A 327			
J2-BB	K13-6	A 320			
J2-DD	K21-3	A 321			
J2-EE	K19-4	A 333			
J2-FF	K19-5	A 334			
J2-GG	K18-4	A 331			
J2-HH	K18-5	A 332			
J2-JJ	K26-4	A 307			
J2-KK	K26-5	A 308			
J2-LL	K29-4	A 378			

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JBW RUNNING LIST 2900678 21

(CONT.) J2 61 PIN CONNECTOR MS3127E24-61PW (1897055-611) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J2-NN	K29-5	A 380			
J2-PP	K28-5	A 377			

J3 61 PIN CONNECTOR MS3127E24-61PX (1897055-612) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3-B	K27-5	A 364			
J3-C	K26-15	A 368			
J3-R	J15-P	A 135			
J3-S	J15-N	A 134			
J3-T	J15-M	A 133			
J3-U	J15-L	A 132			
J3-V	J15-K	A 131			
J3-W	K53-6	A 117			
J3-X	K53-9	A 116			
J3-Y	J13-P•	A 107			
J3-Z	J13-R•	A 108			
J3-A•	J13-S•	A 109			
J3-B•	J5-J	A 110			
J3-C•	J13-T•	A 113			
J3-D•	J13-U•	A 114			
J3-E•	J13-V•	A 115			
J3-J•	K5-3	A 101			
J3-M•	E20	A 4			
J3-N•	E24	A 2			
J3-P•	J16-F•	A 219			
J3-Q•	J16-E•	A 218			
J3-R•	J16-D•	A 217			
J3-S•	J16-C•	A 216			
J3-T•	J16-B•	A 215			
J3-U•	J16-A•	A 214			

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JBW RUNNING LIST 2900678 22

(CONT.) J3 61 PIN CONNECTOR MS3127E24-61PX (1897055-612) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3-V•	J16-Z	A 213			
J3-W•	J16-Y	A 212			
J3-X•	J16-X	A 211			
J3-Y•	J16-W	A 210			
J3-AA	K60-6	A 255R			
J3-BB	K60-3	A 255L			
J3-CC	K60-12	A 254R			
J3-DD	K60-9	A 254L			
J3-EE	K67-6	A 257R			
J3-FF	K67-3	A 257L			
J3-GG	K67-12	A 256R			
J3-HH	K67-9	A 256L			
J3-JJ	K68-6	A 259R			
J3-KK	K68-3	A 259L			
J3-LL	K68-12	A 258R			
J3-MM	K68-9	A 258L			

J4 61 PIN CONNECTOR MS3127E24-61PY (1897055-613) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-A	J13-S	A 148			
J4-B	J13-R	A 147			
J4-C	J13-P	A 146			
J4-D	J13-N	A 145			
J4-E	J13-M	A 144			
J4-G	J5-W	A 150			
J4-H	J5-V	A 151			
J4-J	J14-N	A 152			
J4-K	J14-P	A 153			
J4-L	J14-R	A 154			
J4-M	J14-S	A 155			

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(CONT.) J4 61 PIN CONNECTOR MS3127E24-61PY (1897055-613) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-N	J14-T	A 156			
J4-P	J14-U	A 157			
J4-R	J14-V	A 158			
J4-S	J14-K	A 149			
J4-U	J5-X	A 384			
J4-V	K41-3	A 506			
J4-A•	J15-R	A 136			
J4-B•	J15-S	A 137			
J4-C•	J15-T	A 138			
J4-D•	K37-12	A 386L			
J4-E•	K37-15	A 386R			
J4-F•	J5-E	A 510			
J4-M•	J6-S	A 205			
J4-N•	J6-U	A 478			
J4-Q•	J14-V•	A 455			
J4-R•	J14-W•	A 456			
J4-S•	J14-X•	A 457			
J4-T•	J14-Y•	A 458			
J4-U•	J14-Z•	A 459			
J4-V•	J14-AA	A 460			
J4-W•	J15-U	A 461			
J4-X•	J15-V	A 462			
J4-Y•	J15-W	A 463			
J4-Z•	J15-X	A 464			
J4-AA	J13-Y•	A 465			
J4-BB	J13-Z•	A 466			
J4-FF	J16-R•	A 224			
J4-GG	J16-P•	A 223			
J4-HH	J16-N•	A 222			
J4-JJ	J16-T•	A 226			
J4-KK	J16-U	A 209			
J4-LL	J13-DD	A 106			

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(CONT.) J4 61 PIN CONNECTOR MS3127E24-61PY (1897055-613) FIGURE 1

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-MM	K48-2	A 225			
J4-NN	J16-M•	A 221			
J4-PP	J16-K•	A 220			

J5 22 PIN CONNECTOR 1015957-166 FIGURE 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-A	K15-16	A 503			
J5-A	K68-2	A 502			
J5-B	K69-2	A 501			
J5-D	K37-2	A 509			
J5-E	J4-F•	A 510			
J5-H	J13-X•	A 112			
J5-J	J3-B•	A 110			
J5-J	J13-W•	A 111			
J5-K	J16-R	A 159			
J5-K	J1-MM	A 467			
J5-L	K54-1	A 165			
J5-M	K55-1	A 184			
J5-N	K56-1	A 191			
J5-U	K41-6	A 504			
J5-V	J4-H	A 151			
J5-V	J14-M	A 469			
J5-W	J4-G	A 150			
J5-W	J14-L	A 468			
J5-X	J4-U	A 384			
J5-Y	K36-6	A 405			
J5-Z	K19-15	A 374			

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J6 22 PIN CONNECTOR 1015957-186 FIGURE 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-A	J14-F•	A 345			
J6-B	K27-1	A 346			
J6-C	J14-E•	A 350			
J6-D	K28-1	A 348			
J6-E	J14-H•	A 344			
J6-F	K29-1	A 351			
J6-H	J14-R•	A 335			
J6-J	K18-1	A 340			
J6-K	J14-N•	A 337			
J6-L	K26-1	A 338			
J6-M	J14-P•	A 336			
J6-N	K19-1	A 342			
J6-P	J1-U	A 381R			
J6-R	K29-9	A 382R			
J6-S	J4-M•	A 205			
J6-T	J16-V	A 206			
J6-U	E20	A 208			
J6-U	J4-N•	A 478			
J6-V	J16-T	A 24			
J6-W	J15-C	A 25			
J6-Z	E20	A 23			

J7 22 PIN CONNECTOR 1015957-166 FIGURE 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J7-A	K22-7	A 44			
J7-B	K1-3	A 49			
J7-C	K22-6	A 46			
J7-D	K1-7	A 51			
J7-E	K14-7	A 61			
J7-F	K2-3	A 55			

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(CONT.) J7 22 PIN CONNECTOR 1015957-166 FIGURE 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J7-H	K14-6	A 60			
J7-J	K2-7	A 57			
J7-K	K15-7	A 76			
J7-L	K3-3	A 79			
J7-M	K15-6	A 74			
J7-N	K3-7	A 83			
J7-P	K23-7	A 94			
J7-R	K4-3	A 88			
J7-S	K23-6	A 90			
J7-T	K4-7	A 87			
J7-U	K54-7	A 168			
J7-V	K44-3	A 171			
J7-W	K54-6	A 172			
J7-X	K44-7	A 175			

J8 22 PIN CONNECTOR 1015957-185 FIGURE 10

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J8-A	K55-7	A 187			
J8-B	K45-3	A 179			
J8-C	K55-6	A 183			
J8-D	K45-7	A 178			
J8-E	K56-7	A 196			
J8-F	K46-3	A 201			
J8-H	K56-6	A 199			
J8-J	K46-7	A 203			
J8-K	E16	A 361			
J8-L	K13-5	A 330			
J8-M	K42-5	A 128			
J8-V	K42-1	A 127			
J8-Z	E20	A 130			

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J13 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J13-A	K1-8	A 40			
J13-B	K22-1	A 52			
J13-C	K22-4	A 50			
J13-D	K22-7	A 45			
J13-E	K4-8	A 21			
J13-F	K23-1	A 95			
J13-H	K23-4	A 92			
J13-J	K23-7	A 93			
J13-K	K4-4	A 86			
J13-L	K5-1	A 102			
J13-M	J4-E	A 144			
J13-N	J4-D	A 145			
J13-P	J4-C	A 146			
J13-R	J4-B	A 147			
J13-S	J4-A	A 148			
J13-T	K41-3	A 507			
J13-C•	K57-12	A 289W			
J13-D•	K57-4	A 278			
J13-E•	K57-1	A 283			
J13-K•	J2-F•	A 485R			
J13-M•	J2-D•	A 485L			
J13-N•	J2-B•	A 485Y			
J13-P•	J3-Y	A 107			
J13-R•	J3-Z	A 108			
J13-S•	J3-A•	A 109			
J13-T•	J3-C•	A 113			
J13-U•	J3-D•	A 114			
J13-V•	J3-E•	A 115			
J13-W•	J5-J	A 111			
J13-X•	J5-H	A 112			
J13-Y•	J4-AA	A 465			
J13-Z•	J4-BB	A 466			

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(CONT.) J13 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J13-DD	J4-LL	A 106			

J14 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J14-A	K2-8	A 43			
J14-B	K14-1	A 64			
J14-C	K14-4	A 63			
J14-D	K14-7	A 62			
J14-F	K15-1	A 68			
J14-H	K15-4	A 77			
J14-J	K15-7	A 75			
J14-K	J4-S	A 149			
J14-L	J5-W	A 468			
J14-M	J5-V	A 469			
J14-N	J4-J	A 152			
J14-P	J4-K	A 153			
J14-R	J4-L	A 154			
J14-S	J4-M	A 155			
J14-T	J4-N	A 156			
J14-U	J4-P	A 157			
J14-V	J4-R	A 158			
J14-W	K64-15	A 303			
J14-X	K37-1	A 412			
J14-Y	K36-1	A 407			
J14-Z	K35-1	A 401			
J14-A•	K34-1	A 394			
J14-B•	K29-1	A 352			
J14-C•	K28-1	A 349			
J14-D•	K27-1	A 347			
J14-E•	J6-C	A 350			

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(CONT.) J14 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J14-F•	J6-A	A 345			
J14-H•	J6-E	A 344			
J14-J•	K19-1	A 343			
J14-K•	K18-1	A 341			
J14-M•	K26-1	A 339			
J14-N•	J6-K	A 337			
J14-P•	J6-M	A 336			
J14-R•	J6-H	A 335			
J14-S•	K21-1	A 324			
J14-T•	K13-3	A 326			
J14-U•	K20-1	A 310			
J14-V•	J4-Q•	A 455			
J14-W•	J4-R•	A 456			
J14-X•	J4-S•	A 457			
J14-Y•	J4-T•	A 458			
J14-Z•	J4-U•	A 459			
J14-AA	J4-V•	A 460			
J14-BB	K64-17	A 304			
J14-CC	K36-12	A 390			
J14-DD	K36-15	A 392			
J14-EE	K19-10	A 429			
J14-FF	E10	A 454			
J14-HH	E8	A 453			

J15 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J15-A	J2-T	A 6			
J15-B	E22	A 15			
J15-C	J6-W	A 25			
J15-E	K42-8	A 119			

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(CONT.) J15 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J15-H	K53-4	A 125			
J15-J	K53-7	A 124			
J15-K	J3-V	A 131			
J15-K	K43-3	A 492			
J15-L	J3-U	A 132			
J15-M	J3-T	A 133			
J15-N	J3-S	A 134			
J15-P	J3-R	A 135			
J15-R	J4-A•	A 136			
J15-S	J4-B•	A 137			
J15-T	J4-C•	A 138			
J15-U	J4-W•	A 461			
J15-V	J4-X•	A 462			
J15-W	J4-Y•	A 463			
J15-X	J4-Z•	A 464			
J15-Y	K64-11	A 291			
J15-Z	K61-1	A 236			
J15-A•	E19	A 5			
J15-B•	E24	A 3			
J15-C•	K68-1	A 247			
J15-D•	K69-1	A 243			
J15-E•	K53-3	A 120			
J15-F•	K42-5	A 129			
J15-H•	K60-1	A 245			
J15-J•	K67-1	A 246			
J15-M•	K39-3	A 497			
J15-N•	J2-C	A 500			
J15-P•	J2-B	A 499			
J15-R•	K39-1	A 495			

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J16 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J16-A	E16	A 32			
J16-B	E22	A 33			
J16-C	E6	A 105			
J16-D	K54-3	A 164			
J16-E	K54-4	A 169			
J16-F	K54-7	A 167			
J16-H	K55-3	A 186			
J16-J	K55-4	A 189			
J16-K	K55-7	A 188			
J16-L	K56-3	A 193			
J16-M	K56-4	A 197			
J16-N	K56-7	A 195			
J16-P	K46-4	A 204			
J16-R	J5-K	A 159			
J16-S	K72-B2	A 143			
J16-T	J6-V	A 24			
J16-U	J4-KK	A 209			
J16-V	J6-T	A 206			
J16-W	J3-Y•	A 210			
J16-X	J3-X•	A 211			
J16-Y	J3-W•	A 212			
J16-Z	J3-V•	A 213			
J16-A•	J3-U•	A 214			
J16-B•	J3-T•	A 215			
J16-C•	J3-S•	A 216			
J16-D•	J3-R•	A 217			
J16-E•	J3-Q•	A 218			
J16-F•	J3-P•	A 219			
J16-K•	J4-PP	A 220			
J16-M•	J4-NN	A 221			
J16-N•	J4-HH	A 222			
J16-P•	J4-GG	A 223			

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(CONT.) J16 50 PIN CONNECTOR 1015867-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J16-R•	J4-FF	A 224			
J16-S•	K48-3	A 482			
J16-T•	J4-JJ	A 226			

K1 RELAY 1015832-318 FIGURE 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K1-1	K22-6	A 47			
K1-3	K22-4	A 48			
K1-3	J7-B	A 49			
K1-4	K2-6	A 54			
K1-5	K1-7	AA 4			
K1-7	K1-5	AA 4			
K1-7	J7-D	A 51			
K1-8	K71-3	A 39			
K1-8	J13-A	A 40			

K2 RELAY 1015832-318 FIGURE 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K2-1	K14-6	A 59			
K2-3	J7-F	A 55			
K2-3	K14-4	A 56			
K2-4	K3-6	A 58			
K2-5	K2-7	AA 6			
K2-6	K1-4	A 54			
K2-7	K2-5	AA 6			
K2-7	J7-J	A 57			
K2-8	K71-3	A 41			
K2-8	J14-A	A 43			

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K3 RELAY 1015832-318 FIGURE 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K3-1	K15-6	A 80			
K3-3	K15-4	A 78			
K3-3	J7-L	A 79			
K3-4	K4-6	A 84			
K3-5	K3-7	AA 9			
K3-6	K2-4	A 58			
K3-7	K3-5	AA 9			
K3-7	J7-N	A 83			
K3-8	K71-1	A 20			
K3-8	K4-8	A 82			

K4 RELAY 1015832-318 FIGURE 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K4-1	K23-6	A 89			
K4-3	J7-R	A 88			
K4-3	K23-4	A 91			
K4-4	J13-K	A 86			
K4-5	K4-7	AA 10			
K4-6	K3-4	A 84			
K4-7	K4-5	AA 10			
K4-7	J7-T	A 87			
K4-8	J13-E	A 21			
K4-8	K3-8	A 82			

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K5 RELAY 1015802-004 FIGURE 6

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K5-1	J13-L	A 102			
K5-2	K5-6	AA 12			
K5-2	E22	A 100			
K5-3	J3-J•	A 101			
K5-5	E14	A 99			
K5-6	K5-2	AA 12			
K5-7	K22-16	A 103			

K13 RELAY 1015802-004 FIGURE 6

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K13-1	J2-AA	A 327			
K13-2	K13-3	AA 23			
K13-3	K13-2	AA 23			
K13-3	J14-T•	A 326			
K13-5	J8-L	A 330			
K13-6	K21-4	A 319			
K13-6	J2-BB	A 320			
K13-7	E7	A 328			

K14 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K14-1	K14-3	AA 7			
K14-1	J14-B	A 64			
K14-2	E20	A 65			
K14-3	K14-1	AA 7			
K14-4	K2-3	A 56			
K14-4	J14-C	A 63			
K14-6	K2-1	A 59			

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(CONT.) K14 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K14-6	J7-H	A 60			
K14-7	J7-E	A 61			
K14-7	J14-D	A 62			
K14-9	K64-16	A 66			
K14-10	K15-11	A 67			
K14-11	K22-10	A 38			
K14-12	E6	A 305			
K14-13	E7	A 306			

K15 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K15-1	K15-3	AA 8			
K15-1	J14-F	A 68			
K15-2	E20	A 69			
K15-3	K15-1	AA 8			
K15-4	J14-H	A 77			
K15-4	K3-3	A 78			
K15-6	J7-M	A 74			
K15-6	K3-1	A 80			
K15-7	J14-J	A 75			
K15-7	J7-K	A 76			
K15-9	E5	A 73			
K15-10	K23-11	A 72			
K15-11	K14-10	A 67			
K15-15	E6	A 244			
K15-16	J5-A	A 503			

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K18 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K18-1	J6-J	A 340			
K18-1	J14-K*	A 341			
K18-2	E7	A 357			
K18-3	E8	A 448			
K18-4	J2-GG	A 331			
K18-5	J2-HH	A 332			
K18-6	E14	A 447			
K18-7	K18-16	AA 35			
K18-7	E21	A 446			
K18-9	K26-9	A 433			
K18-9	K19-9	A 434			
K18-10	K26-10	A 427			
K18-10	K19-10	A 428			
K18-12	K26-12	A 422			
K18-12	K19-12	A 423			
K18-13	E10	A 445			
K18-15	K29-15	A 372			
K18-15	K19-15	A 373			
K18-16	K18-7	AA 35			

K19 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K19-1	J6-N	A 342			
K19-1	J14-J*	A 343			
K19-2	E7	A 358			
K19-3	E8	A 452			
K19-4	J2-EE	A 333			
K19-5	J2-FF	A 334			
K19-6	E14	A 451			
K19-7	K19-16	AA 36			

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(CONT.) K19 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K19-7	E21	A 449			
K19-9	K18-9	A 434			
K19-10	K18-10	A 428			
K19-10	J14-EE	A 429			
K19-12	K18-12	A 423			
K19-13	E10	A 450			
K19-15	K18-15	A 373			
K19-15	J5-Z	A 374			
K19-16	K19-7	AA 36			

K20 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K20-1	J14-U*	A 310			
K20-2	E7	A 309			
K20-3	J2-Q*	A 311			
K20-4	K21-4	A 318			
K20-6	J2-Z*	A 312			
K20-6	K21-6	A 313			
K20-7	E20	A 314			
K20-7	K21-7	A 315			
K20-9	E14	A 317			
K20-10	E21	A 316			

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K21 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K21-1	J14-S*	A 324			
K21-2	E7	A 325			
K21-3	J2-DD	A 321			
K21-4	K20-4	A 318			
K21-4	K13-6	A 319			
K21-6	K20-6	A 313			
K21-7	K20-7	A 315			
K21-9	E14	A 323			
K21-10	E21	A 322			

K22 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K22-1	K22-3	AA 5			
K22-1	J13-B	A 52			
K22-2	E20	A 53			
K22-3	K22-1	AA 5			
K22-4	K1-3	A 48			
K22-4	J13-C	A 50			
K22-6	J7-C	A 46			
K22-6	K1-1	A 47			
K22-7	J7-A	A 44			
K22-7	J13-D	A 45			
K22-9	J2-M	A 34			
K22-9	J2-Z	A 35			
K22-10	K14-11	A 38			
K22-15	E6	A 104			
K22-16	K5-7	A 103			

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K23 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K23-1	K23-3	AA 11			
K23-1	J13-F	A 95			
K23-2	E20	A 96			
K23-3	K23-1	AA 11			
K23-4	K4-3	A 91			
K23-4	J13-H	A 92			
K23-6	K4-1	A 89			
K23-6	J7-S	A 90			
K23-7	J13-J	A 93			
K23-7	J7-P	A 94			
K23-9	K57-4	A 277			
K23-10	E22	A 97			
K23-11	K15-10	A 72			
K23-15	E6	A 293			
K23-16	K57-2	A 285			

K26 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K26-1	J6-L	A 338			
K26-1	J14-M•	A 339			
K26-2	E18	A 356			
K26-3	E8	A 436			
K26-4	J2-JJ	A 307			
K26-5	J2-KK	A 308			
K26-6	E15	A 360			
K26-7	K26-16	AA 24			
K26-7	E21	A 359			
K26-9	K27-9	A 430			
K26-9	K18-9	A 433			
K26-10	K27-10	A 424			

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(CONT.) K26 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K26-10	K18-10	A 427			
K26-12	K27-12	A 419			
K26-12	K18-12	A 422			
K26-13	E10	A 435			
K26-15	J3-C	A 368			
K26-15	K27-15	A 369			
K26-16	K26-7	AA 24			

K27 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K27-1	J6-B	A 346			
K27-1	J14-D•	A 347			
K27-2	E18	A 353			
K27-3	E8	A 363			
K27-4	J2-W•	A 362			
K27-5	J3-B	A 364			
K27-6	E15	A 365			
K27-7	K27-16	AA 25			
K27-7	E21	A 366			
K27-9	K26-9	A 430			
K27-9	K28-9	A 431			
K27-10	K26-10	A 424			
K27-10	K28-10	A 425			
K27-12	K26-12	A 419			
K27-12	K28-12	A 420			
K27-13	E10	A 418			
K27-15	K26-15	A 369			
K27-15	K28-15	A 370			
K27-16	K27-7	AA 25			

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K28 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K28-1	J6-D	A 348			
K28-1	J14-C•	A 349			
K28-2	E18	A 354			
K28-3	E8	A 439			
K28-4	J2-X•	A 375			
K28-5	J2-PP	A 377			
K28-6	E15	A 438			
K28-7	K28-16	AA 33			
K28-7	E21	A 437			
K28-9	K27-9	A 431			
K28-9	K29-9	A 432			
K28-10	K27-10	A 425			
K28-10	K29-10	A 426			
K28-12	K27-12	A 420			
K28-12	K29-12	A 421			
K28-13	E10	A 440			
K28-15	K27-15	A 370			
K28-15	K29-15	A 371			
K28-16	K28-7	AA 33			

K29 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K29-1	J6-F	A 351			
K29-1	J14-B•	A 352			
K29-2	E18	A 355			
K29-3	E8	A 444			
K29-4	J2-LL	A 378			
K29-5	J2-NN	A 380			
K29-6	E15	A 443			
K29-7	K29-16	AA 34			

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(CONT.) K29 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K29-7	E21	A 442			
K29-9	J6-R	A 382R			
K29-9	K28-9	A 432			
K29-10	K35-9	A 400			
K29-10	K28-10	A 426			
K29-12	E9	A 382L			
K29-12	K28-12	A 421			
K29-13	E10	A 441			
K29-15	K28-15	A 371			
K29-15	K18-15	A 372			
K29-16	K29-7	AA 34			

K34 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K34-1	J14-A•	A 394			
K34-2	E18	A 410			
K34-3	K34-12	AA 30			
K34-4	E10	A 395			
K34-6	E15	A 393			
K34-7	E21	A 387			
K34-9	K36-3	A 391			
K34-10	J1-H•	A 367R			
K34-11	K34-16	AA 26			
K34-12	K34-3	AA 30			
K34-12	K36-12	A 389			
K34-13	J1-I•	A 367L			
K34-15	E8	A 388			
K34-16	K34-11	AA 26			
K34-16	J1-G•	A 367Y			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K35 RELAY 1015837-001 FIGURE 3					
K35-1	J14-Z	A 401			
K35-2	E18	A 409			
K35-6	E15	A 399			
K35-7	E21	A 398			
K35-9	K29-10	A 400			
K35-9	K37-9	A 415			
K35-10	J1-F•	A 376R			
K35-11	K35-16	AA 27			
K35-12	E10	A 397			
K35-13	J1-E•	A 376L			
K35-15	E8	A 396			
K35-16	K35-11	AA 27			
K35-16	J1-D•	A 376Y			
K36 RELAY 1015837-001 FIGURE 3					
K36-1	J14-Y	A 407			
K36-2	E18	A 408			
K36-3	K36-15	AA 31			
K36-3	K34-9	A 391			
K36-4	E10	A 406			
K36-6	J5-Y	A 405			
K36-7	K36-10	AA 32			
K36-9	E15	A 404			
K36-10	K36-7	AA 32			
K36-10	E21	A 403			
K36-12	K34-12	A 389			
K36-12	J14-CC	A 390			
K36-13	J1-B•	A 379R			
K36-14	K36-19	AA 28			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K36 RELAY 1015837-001 FIGURE 3					
K36-15	K36-3	AA 31			
K36-15	J14-DD	A 392			
K36-16	J1-C•	A 379L			
K36-18	E8	A 402			
K36-19	K36-14	AA 28			
K36-19	J1-A•	A 379Y			
K37 RELAY 1015837-001 FIGURE 3					
K37-1	J14-X	A 412			
K37-2	E18	A 411			
K37-2	J5-D	A 509			
K37-3	E15	A 414			
K37-4	E21	A 413			
K37-9	K35-9	A 415			
K37-9	J1-PP	A 488			
K37-10	J1-Z	A 385R			
K37-11	K37-16	AA 29			
K37-12	J4-D•	A 386L			
K37-12	E10	A 416			
K37-13	J1-Y	A 385L			
K37-15	J4-E•	A 386R			
K37-15	E8	A 417			
K37-16	K37-11	AA 29			
K37-16	J1-X	A 385Y			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K39 RELAY 1015802-004 FIGURE 6					
K39-1	J15-R•	A 495			
K39-2	K39-3	AA 42			
K39-3	K39-2	AA 42			
K39-3	J15-M•	A 497			
K39-5	E16	A 496			
K39-6	J2-A	A 494			
K39-7	K43-7	A 498			
K41 RELAY 1015802-004 FIGURE 6					
K41-1	K55-13	A 505			
K41-3	J4-V	A 506			
K41-3	J13-T	A 507			
K41-6	J5-U	A 504			
K41-7	K53-2	A 508			
K42 RELAY 1015832-318 FIGURE 7					
K42-1	K42-3	AA 14			
K42-1	J8-V	A 127			
K42-3	K42-1	AA 14			
K42-3	K53-4	A 126			
K42-5	J8-M	A 128			
K42-5	J15-F•	A 129			
K42-8	K53-6	A 118			
K42-8	J15-E	A 119			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K43 RELAY 1015802-004 FIGURE 6					
K43-1	E16	A 491			
K43-2	K43-6	AA 41			
K43-3	J15-K	A 492			
K43-5	J1-LL	A 490			
K43-6	K43-2	AA 41			
K43-6	E5	A 489			
K43-7	K61-2	A 493			
K43-7	K39-7	A 498			
K44 RELAY 1015832-318 FIGURE 7					
K44-1	K54-6	A 173			
K44-3	K54-4	A 170			
K44-3	J7-V	A 171			
K44-4	K45-6	A 176			
K44-5	K44-7	AA 16			
K44-7	K44-5	AA 16			
K44-7	J7-X	A 175			
K44-8	E22	A 174			
K45 RELAY 1015832-318 FIGURE 7					
K45-1	K55-6	A 181			
K45-3	J8-B	A 179			
K45-3	K55-4	A 180			
K45-4	K46-6	A 182			
K45-5	K45-7	AA 17			
K45-6	K44-4	A 176			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K45 RELAY 1015832-318 FIGURE 7					
K45-7	K45-5	AA 17			
K45-7	J8-D	A 178			
K45-8	E22	A 177			
K46 RELAY 1015832-318 FIGURE 7					
K46-1	K56-6	A 200			
K46-3	K56-4	A 198			
K46-3	J8-F	A 201			
K46-4	J16-P	A 204			
K46-5	K46-7	AA 20			
K46-6	K45-4	A 182			
K46-7	K46-5	AA 20			
K46-7	J8-J	A 203			
K46-8	E22	A 202			
K48 RELAY 1015802-004 FIGURE 6					
K48-2	J4-MM	A 225			
K48-3	K48-5	AA 39			
K48-3	J16-S•	A 482			
K48-4	E19	A 484			
K48-5	K48-3	AA 39			
K48-7	E19	A 483			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K53 RELAY 1015837-001 FIGURE 3					
K53-1	K53-3	AA 13			
K53-2	E19	A 122			
K53-2	K41-7	A 508			
K53-3	K53-1	AA 13			
K53-3	J15-E•	A 120			
K53-4	J15-H	A 125			
K53-4	K42-3	A 126			
K53-6	J3-W	A 117			
K53-6	K42-8	A 118			
K53-7	J15-J	A 124			
K53-9	J3-X	A 116			
K53-10	E6	A 123			
K54 RELAY 1015837-001 FIGURE 3					
K54-1	K54-3	AA 15			
K54-1	J5-L	A 165			
K54-2	E19	A 166			
K54-3	K54-1	AA 15			
K54-3	J16-D	A 164			
K54-4	J16-E	A 169			
K54-4	K44-3	A 170			
K54-6	J7-W	A 172			
K54-6	K44-1	A 173			
K54-7	J16-F	A 167			
K54-7	J7-U	A 168			
K54-9	J1-Q•	A 161			
K54-9	K55-9	A 162			
K54-10	J1-EE	A 160			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K55 RELAY 1015837-001 FIGURE 3					
K55-1	K55-3	AA 18			
K55-1	J5-M	A 184			
K55-2	E19	A 185			
K55-3	K55-1	AA 18			
K55-3	J16-H	A 186			
K55-4	K45-3	A 180			
K55-4	J16-J	A 189			
K55-6	K45-1	A 181			
K55-6	J8-C	A 183			
K55-7	J8-A	A 187			
K55-7	J16-K	A 188			
K55-9	K54-9	A 162			
K55-9	K56-9	A 163			
K55-10	J1-FF	A 190			
K55-12	J1-NN	A 207			
K55-13	K41-1	A 505			
K56 RELAY 1015837-001 FIGURE 3					
K56-1	K56-3	AA 19			
K56-1	J5-N	A 191			
K56-2	E19	A 192			
K56-3	K56-1	AA 19			
K56-3	J16-L	A 193			
K56-4	J16-M	A 197			
K56-4	K46-3	A 198			
K56-6	J8-H	A 199			
K56-6	K46-1	A 200			
K56-7	J16-N	A 195			
K56-7	J8-E	A 196			

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) K56 RELAY 1015837-001 FIGURE 3					
K56-9	K55-9	A 163			
K56-10	J1-GG	A 194			
K57 RELAY 1015837-001 FIGURE 3					
K57-1	J13-E•	A 283			
K57-2	K23-16	A 285			
K57-3	E16	A 279			
K57-4	K23-9	A 277			
K57-4	J13-D•	A 278			
K57-12	J13-C•	A 289W			
K57-13	J1-M	A 260R			
K57-15	J2-I•	A 301W			
K57-16	J1-N	A 260L			
K60 RELAY 1015837-001 FIGURE 3					
K60-1	J15-H•	A 245			
K60-2	K61-2	A 231			
K60-2	K67-2	A 232			
K60-3	J3-BB	A 255L			
K60-4	L2-2	A 267			
K60-4	K67-4	A 268			
K60-6	J3-AA	A 255R			
K60-7	L2-1	A 265			
K60-7	K67-7	A 266			
K60-9	J3-DD	A 254L			
K60-10	L1-2	A 263			

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(CONT.) K60 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K60-10	K67-10	A 264			
K60-12	J3-CC	A 254R			
K60-13	L1-1	A 261			
K60-13	K67-13	A 262			
K60-15	E16	A 253			
K60-16	E5	A 252			

K61 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K61-1	J15-Z	A 236			
K61-2	K60-2	A 231			
K61-2	K43-7	A 493			
K61-3	E16	A 238			
K61-4	E5	A 230			
K61-9	J1-V•	A 228			
K61-10	E19	A 237			
K61-12	J1-U•	A 227			
K61-13	E22	A 229			

K64 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K64-1	J1-M•	A 26			
K64-2	K64-4	AA 3			
K64-2	E19	A 29			
K64-3	J1-J•	A 27			
K64-4	K64-2	AA 3			
K64-5	J1-K•	A 28			
K64-10	E5	A 290			

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(CONT.) K64 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K64-11	J15-Y	A 291			
K64-15	J14-W	A 303			
K64-16	K14-9	A 66			
K64-17	J14-BB	A 304			

K67 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K67-1	J15-J•	A 246			
K67-2	K60-2	A 232			
K67-2	K68-2	A 233			
K67-3	J3-FF	A 257L			
K67-4	K60-4	A 268			
K67-4	K68-4	A 269			
K67-6	J3-EE	A 257R			
K67-7	K60-7	A 266			
K67-7	K68-7	A 270			
K67-9	J3-HH	A 256L			
K67-10	K60-10	A 264			
K67-10	K68-10	A 271			
K67-12	J3-GG	A 256R			
K67-13	K60-13	A 262			
K67-13	K68-13	A 272			
K67-15	E16	A 251			
K67-16	E5	A 250			

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K68 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K68-1	J15-C•	A 247			
K68-2	K67-2	A 233			
K68-2	J5-A	A 502			
K68-3	J3-KK	A 259L			
K68-4	K67-4	A 269			
K68-6	J3-JJ	A 259R			
K68-7	K67-7	A 270			
K68-9	J3-MM	A 258L			
K68-10	K67-10	A 271			
K68-12	J3-LL	A 258R			
K68-13	K67-13	A 272			
K68-15	E16	A 249			
K68-16	E5	A 248			

K69 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K69-1	J15-D•	A 243			
K69-1	J1-JJ	A 486			
K69-2	J5-B	A 501			
K69-3	E16	A 240			
K69-4	K69-7	AA 22			
K69-6	J1-W	A 241			
K69-7	K69-4	AA 22			
K69-7	E5	A 239			

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K70 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K70-1	J2-R	A 7			
K70-2	K70-4	AA 1			
K70-2	E19	A 13			
K70-3	K71-2	A 12			
K70-4	K70-2	AA 1			
K70-4	K70-16	AA 2			
K70-15	K71-6	A 481			
K70-16	K70-4	AA 2			
K70-18	J2-U	A 8			
K70-19	E22	A 14			

K71 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K71-1	J2-S	A 19			
K71-1	K3-8	A 20			
K71-2	K70-3	A 12			
K71-3	K1-8	A 39			
K71-3	K2-8	A 41			
K71-4	K71-13	AA 40			
K71-4	E22	A 22			
K71-6	J2-P	A 11			
K71-6	K70-15	A 481			
K71-7	E19	A 480			
K71-12	J2-V	A 16			
K71-13	K71-16	AA 37			
K71-13	K71-4	AA 40			
K71-15	J2-W	A 17			
K71-16	K71-13	AA 37			
K71-16	K71-19	AA 38			
K71-18	J2-M•	A 18			

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(CONT.) K71 RELAY 1015837-001 FIGURE 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K71-19	K71-16	AA 38			

K72 RELAY 1016096-013 FIGURE 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K72-B2	J16-S	A 143			
K72-B3	J1-DD	A 140			
K72-X1	J1-CC	A 141			
K72-X2	E19	A 142			

L1 REACTOR 1015995-11 FIGURE 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
L1-1	K60-13	A 261			
L1-2	K60-10	A 263			

L2 REACTOR 1015995-11 FIGURE 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
L2-1	K60-7	A 265			
L2-2	K60-4	A 267			

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P13 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P13-A	S4SW1-NO	B 14			
P13-B	S4SW1-NC	B 19			
P13-C	S4SW1-C	B 15			
P13-D	S4SW2-NO	B 18			
P13-E	S3SW1-NO	B 37			
P13-F	S3SW1-NC	B 36			
P13-H	S3SW1-C	B 38			
P13-J	S3SW2-NO	B 40			
P13-K	S3SW2-NC	B 39			
P13-L	S8A-13A	B 41			
P13-M	XDS3-11	B 102			
P13-N	XDS3-12	B 103			
P13-P	XDS3-13	B 104			
P13-R	XDS3-14	B 105			
P13-S	XDS3-15	B 106			
P13-T	XDS3-20	B 197			
P13-C.	S7B-13A	B 149W			
P13-D.	S7B-13B	B 150			
P13-E.	S7B-2B	B 151			
P13-K.	S7B-2A	B 148R			
P13-M.	S7B-3A	B 148L			
P13-N.	S7B-4A	B 148Y			
P13-P.	S8A-2A	B 43			
P13-R.	S8A-3A	B 45			
P13-S.	S8A-5A	B 44			
P13-T.	S8A-2B	B 48			
P13-U.	S8A-3B	B 49			
P13-V.	S8A-9B	B 50			
P13-W.	S8A-6A	B 47			
P13-X.	S8A-8A	B 46			
P13-Y.	S6A-12B	B 190			
P13-Z.	S6A-13B	B 191			

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(CONT.) P13 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P13-DD	S8A-13B	B 42			

P14 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P14-A	S2SW1-NO	B 23			
P14-B	S2SW1-NC	B 22			
P14-C	S2SW1-C	B 24			
P14-D	S2SW2-NO	B 26			
P14-F	S1SW1-NC	B 29			
P14-H	S1SW1-C	B 31			
P14-J	S1SW2-NO	B 33			
P14-K	XDS3-0	B 101			
P14-L	XDS3-1	B 92			
P14-M	XDS3-2	B 93			
P14-N	XDS3-3	B 94			
P14-P	XDS3-4	B 95			
P14-R	XDS3-5	B 96			
P14-S	XDS3-6	B 97			
P14-T	XDS3-7	B 98			
P14-U	XDS3-8	B 99			
P14-V	XDS3-9	B 100			
P14-W	S6A-25A	B 153			
P14-X	S6A-2A	B 154			
P14-Y	S6A-3A	B 155			
P14-Z	S6A-4A	B 156			
P14-A.	S6A-5A	B 157			
P14-B.	S6A-6A	B 158			
P14-C.	S6A-7A	B 159			
P14-D.	S6A-8A	B 160			
P14-E.	S6A-9A	B 161			

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(CONT.) P14 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P14-F.	S6A-10A	B 162			
P14-H.	S6A-11A	B 163			
P14-J.	S6A-12A	B 164			
P14-K.	S6A-13A	B 165			
P14-M.	S6A-14A	B 166			
P14-N.	S6A-15A	B 167			
P14-P.	S6A-16A	B 168			
P14-R.	S6A-17A	B 169			
P14-S.	S6A-18A	B 170			
P14-T.	S6A-19A	B 171			
P14-U.	S6A-20A	B 172			
P14-V.	S6A-2B	B 180			
P14-W.	S6A-3B	B 181			
P14-X.	S6A-4B	B 182			
P14-Y.	S6A-5B	B 183			
P14-Z.	S6A-6B	B 184			
P14-AA	S6A-7B	B 185			
P14-BB	S6A-25B	B 179			
P14-CC	R1B-1	B 175			
P14-DD	R1B-3	B 176			
P14-EE	R1A-1	B 173			
P14-FF	R1A-3	B 174			
P14-HH	R1B-2	B 177			

P15 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P15-A	XF1-2	B 3			
P15-B	E25	B 4			
P15-C	S16SW1-NC	B 11			
P15-E	S9SW1-NO	B 55			

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(CONT.) P15 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P15-H	S9SW1-C	B 57			
P15-J	S9SW2-C	B 58			
P15-K	S15A-2A	B 59			
P15-L	S15A-3A	B 60			
P15-M	S15A-4A	B 61			
P15-N	S15A-5A	B 62			
P15-P	S15A-6A	B 63			
P15-R	S15A-7A	B 64			
P15-S	S15A-8A	B 65			
P15-T	S15A-9A	B 66			
P15-U	S6A-8B	B 186			
P15-V	S6A-9B	B 187			
P15-W	S6A-10B	B 188			
P15-X	S6A-11B	B 189			
P15-Y	S5A-13A	B 130			
P15-Z	S5A-2A	B 131			
P15-A•	E23	B 2			
P15-B•	E11	B 1			
P15-C•	S5A-5A	B 134			
P15-D•	S5A-6A	B 135			
P15-E•	S15A-13A	B 54			
P15-F•	S9SW2-NO	B 56			
P15-H•	S5A-3A	B 132			
P15-J•	S5A-4A	B 133			
P15-K•	S5A-7A	B 136			
P15-M•	S5A-8A	B 193			
P15-N•	S5A-9B	B 196			
P15-P•	S5A-8B	B 195			
P15-R•	S5A-13B	B 194			

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P16 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P16-A	XDS11-A	B 7			
P16-B	S17SW1-C	B 8			
P16-C	S16SW1-C	B 10			
P16-D	S14SW1-NC	B 69			
P16-E	S14SW1-C	B 72			
P16-F	S14SW2-NO	B 74			
P16-H	S13SW1-NC	B 77			
P16-J	S13SW1-C	B 79			
P16-K	S13SW2-NO	B 80			
P16-L	S12SW1-NC	B 84			
P16-M	S12SW1-C	B 86			
P16-N	S12SW2-NO	B 88			
P16-P	S12SW2-NC	B 87			
P16-R	S10SW1-C	B 89			
P16-S	S10SW1-NO	B 90			
P16-T	S17SW1-NO	B 9			
P16-U	S11SW2-NO	B 111			
P16-V	S18A-13A	B 112			
P16-W	S18A-2A	B 113			
P16-X	S18A-3A	B 114			
P16-Y	S18A-4A	B 115			
P16-Z	S18A-5A	B 116			
P16-A•	S18A-6A	B 117			
P16-B•	S18A-7A	B 118			
P16-C•	S18A-8A	B 119			
P16-D•	S18A-9A	B 120			
P16-E•	S18A-10A	B 121			
P16-F•	S18A-11A	B 122			
P16-K•	S18A-11B	B 129			
P16-M•	S18A-10B	B 128			
P16-N•	S18A-8B	B 127			
P16-P•	S18A-6B	B 126			

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(CONT.) P16 50 PIN CONNECTOR 1015868-500 FIGURE 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P16-R•	S18A-4B	B 125			
P16-S•	S18A-3B	B 124			
P16-T•	S18A-2B	B 123			

R1A RESISTOR VARIABLE 1015959 FIGURE 18

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
R1A-1	P14-EE	B 173			
R1A-2	R1B-2	B 178			
R1A-3	P14-FF	B 174			

R1B RESISTOR VARIABLE 1015959 FIGURE 18

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
R1B-1	P14-CC	B 175			
R1B-2	P14-HH	B 177			
R1B-2	R1A-2	B 178			
R1B-3	P14-DD	B 176			

S1SW1 SWITCH 1015869-743 FIGURE 17

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1SW1-C	P14-H	B 31			
S1SW1-NC	XDS1-A	B 28			
S1SW1-NC	P14-F	B 29			
S1SW1-NC	S3SW1-NO	B 30			

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S1SW2 SWITCH 1015869-743 FIGURE 17

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1SW2-C	S2SW2-NC	B 25			
S1SW2-NC	S3SW2-C	B 32			
S1SW2-NO	P14-J	B 33			

S2SW1 SWITCH 1015869-328 FIGURE 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S2SW1-C	P14-C	B 24			
S2SW1-NC	XDS2-A	B 21			
S2SW1-NC	P14-B	B 22			
S2SW1-NO	P14-A	B 23			

S2SW2 SWITCH 1015869-328 FIGURE 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S2SW2-C	S4SW2-NC	B 17			
S2SW2-NC	S1SW2-C	B 25			
S2SW2-NO	P14-D	B 26			

S3SW1 SWITCH 1015869-702 FIGURE 14

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S3SW1-C	P13-H	B 38			
S3SW1-NC	XDS4-A	B 35			
S3SW1-NC	P13-F	B 36			
S3SW1-NO	S1SW1-NO	B 30			
S3SW1-NO	P13-E	B 37			

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S3SW2 SWITCH 1015869-702 FIGURE 14

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S3SW2-C	S1SW2-NC	B 32			
S3SW2-NC	P13-K	B 39			
S3SW2-NO	P13-J	B 40			

S4SW1 SWITCH 1015869-329 FIGURE 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S4SW1-C	P13-C	B 15			
S4SW1-NC	XDS5-A	B 13			
S4SW1-NC	P13-B	B 19			
S4SW1-NO	P13-A	B 14			

S4SW2 SWITCH 1015869-329 FIGURE 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S4SW2-C	E23	B 16			
S4SW2-NC	S2SW2-C	B 17			
S4SW2-NO	P13-D	B 18			

S5A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S5A-2A	P15-Z	B 131			
S5A-3A	P15-H•	B 132			
S5A-4A	P15-J•	B 133			
S5A-5A	P15-C•	B 134			
S5A-6A	P15-D•	B 135			
S5A-7A	P15-K•	B 136			
S5A-8A	S5A-9A	BB 25			

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(CONT.) S5A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S5A-8A	P15-M•	B 193			
S5A-8B	P15-P•	B 195			
S5A-9A	S5A-8A	BB 25			
S5A-9B	P15-N•	B 196			
S5A-13A	P15-Y	B 130			
S5A-13B	P15-R•	B 194			

S6A SWITCH ROTARY 1015825-020 FIGURE 9

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S6A-2A	P14-X	B 154			
S6A-2B	P14-V•	B 180			
S6A-3A	P14-Y	B 155			
S6A-3B	P14-W•	B 181			
S6A-4A	P14-Z	B 156			
S6A-4B	P14-X•	B 182			
S6A-5A	P14-A•	B 157			
S6A-5B	P14-Y•	B 183			
S6A-6A	P14-B•	B 158			
S6A-6B	P14-Z•	B 184			
S6A-7A	P14-C•	B 159			
S6A-7B	P14-AA	B 185			
S6A-8A	P14-D•	B 160			
S6A-8B	P15-U	B 186			
S6A-9A	P14-E•	B 161			
S6A-9B	P15-V	B 187			
S6A-10A	P14-F•	B 162			
S6A-10B	P15-W	B 188			
S6A-11A	P14-H•	B 163			
S6A-11B	P15-X	B 189			
S6A-12A	P14-J•	B 164			

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(CONT.) S6A SWITCH ROTARY 1015825-020 FIGURE 9

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S6A-12B	P13-Y•	B 190			
S6A-13A	P14-K•	B 165			
S6A-13B	P13-Z•	B 191			
S6A-14A	P14-M•	B 166			
S6A-15A	P14-N•	B 167			
S6A-16A	P14-P•	B 168			
S6A-17A	P14-R•	B 169			
S6A-18A	P14-S•	B 170			
S6A-19A	P14-T•	B 171			
S6A-20A	P14-U•	B 172			
S6A-25A	P14-W	B 153			
S6A-25B	P14-BB	B 179			

S7B SWITCH ROTARY 1015825-018 FIGURE 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S7B-2A	P13-K•	B 148R			
S7B-2B	S7B-3B	BB 22			
S7B-2B	P13-E•	B 151			
S7B-3A	P13-M•	B 148L			
S7B-3B	S7B-2B	BB 22			
S7B-3B	S7B-4B	BB 23			
S7B-4A	P13-N•	B 148Y			
S7B-4B	S7B-3B	BB 23			
S7B-13A	P13-C•	B 149W			
S7B-13B	P13-D•	B 150			

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S8A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S8A-2A	P13-P•	B 43			
S8A-2B	S8A-5B	BB 9			
S8A-2B	P13-T•	B 48			
S8A-3A	S8A-4A	BB 6			
S8A-3A	P13-R•	B 45			
S8A-3B	S8A-4B	BB 13			
S8A-3B	P13-U•	B 49			
S8A-4A	S8A-3A	BB 6			
S8A-4B	S8A-3B	BB 13			
S8A-5A	S8A-7A	BB 7			
S8A-5A	P13-S•	B 44			
S8A-5B	S8A-2B	BB 9			
S8A-5B	S8A-6B	BB 10			
S8A-6A	P13-W•	B 47			
S8A-6B	S8A-5B	BB 10			
S8A-6B	S8A-7B	BB 11			
S8A-7A	S8A-5A	BB 7			
S8A-7A	S8A-8A	BB 8			
S8A-7B	S8A-6B	BB 11			
S8A-7B	S8A-8B	BB 12			
S8A-8A	S8A-7A	BB 8			
S8A-8A	P13-X•	B 46			
S8A-8B	S8A-7B	BB 12			
S8A-9B	P13-V•	B 50			
S8A-13A	P13-L	B 41			
S8A-13B	P13-DD	B 42			

CODE IDENT NO. 99974	SIZE A	2900678	
SCALE - NONE	REV LTR A B		SHEET 66 OF 75

FROM TO LEAD NO CIRCUIT FUNCTION PEN NOTE WIRE CODE

S9SW1 SWITCH 1015869-703 FIGURE 14

FROM	TO	LEAD NO
S9SW1-C	P15-H	B 57
S9SW1-NC	XDS6-A	B 52
S9SW1-NC	S15A-13A	B 53
S9SW1-NO	P15-E	B 55

S9SW2 SWITCH 1015869-703 FIGURE 14

FROM	TO	LEAD NO
S9SW2-C	P15-J	B 58
S9SW2-NO	P15-F*	B 56

S10SW1 SWITCH 1015869-740 FIGURE 14

FROM	TO	LEAD NO
S10SW1-C	P16-R	B 89
S10SW1-NO	P16-S	B 90

S11SW1 SWITCH 1015869-517 FIGURE 13

FROM	TO	LEAD NO
S11SW1-C	E25	B 110
S11SW1-NO	XDS7-A	B 108
S11SW1-NO	S18A-13B	B 109

CODE IDENT NO. 99974 SIZE A 2900678
SCALE-NONE REV LTR SHEET 67 OF 75

FROM TO LEAD NO CIRCUIT FUNCTION PEN NOTE WIRE CODE

S11SW2 SWITCH 1015869-517 FIGURE 13

FROM	TO	LEAD NO
S11SW2-C	XDS7-G	B 192
S11SW2-NO	P16-U	B 111

S12SW1 SWITCH 1015869-739 FIGURE 14

FROM	TO	LEAD NO
S12SW1-C	P16-M	B 86
S12SW1-NC	XDS8-A	B 83
S12SW1-NC	P16-L	B 84
S12SW1-NO	E25	B 85

S12SW2 SWITCH 1015869-739 FIGURE 14

FROM	TO	LEAD NO
S12SW2-C	S13SW2-NC	B 81
S12SW2-NC	P16-P	B 87
S12SW2-NO	P16-N	B 88

S13SW1 SWITCH 1015869-738 FIGURE 14

FROM	TO	LEAD NO
S13SW1-C	P16-J	B 79
S13SW1-NC	XDS9-A	B 76
S13SW1-NC	P16-H	B 77
S13SW1-NO	E25	B 78

CODE IDENT NO. 99974 SIZE A 2900678
SCALE-NONE REV LTR SHEET 68 OF 75

FROM TO LEAD NO CIRCUIT FUNCTION PEN NOTE WIRB CODE

S13SW2 SWITCH 1015869-738 FIGURE 14

FROM	TO	LEAD NO
S13SW2-C	S14SW2-NC	B 73
S13SW2-NC	S12SW2-C	B 81
S13SW2-NO	P16-K	B 80

S14SW1 SWITCH 1015869-737 FIGURE 14

FROM	TO	LEAD NO
S14SW1-C	P16-E	B 72
S14SW1-NC	XDS10-A	B 68
S14SW1-NC	P16-D	B 69
S14SW1-NO	E25	B 70

S14SW2 SWITCH 1015669-737 FIGURE 14

FROM	TO	LEAD NO
S14SW2-C	E23	B 71
S14SW2-NC	S13SW2-C	B 73
S14SW2-NO	P16-F	B 74

S15A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO
S15A-2A	P15-K	B 59
S15A-3A	P15-L	B 60
S15A-4A	P15-M	B 61
S15A-5A	P15-N	B 62
S15A-6A	P15-P	B 63
S15A-7A	P15-R	B 64
S15A-8A	P15-S	B 65

CODE IDENT NO. 99974 SIZE A 2900678
SCALE-NONE REV LTR SHEET 69 OF 75

FROM TO LEAD NO CIRCUIT FUNCTION PEN NOTE WIRB CODE

(CONT.) S15A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO
S15A-9A	P15-T	B 66
S15A-13A	S9SW1-NC	B 53
S15A-13A	P15-E*	B 54

S16SW1 SWITCH 1015869-326 FIGURE 12

FROM	TO	LEAD NO
S16SW1-C	P16-C	B 10
S16SW1-NC	P15-C	B 11

S17SW1 SWITCH 1015869-325 FIGURE 12

FROM	TO	LEAD NO
S17SW1-C	P16-B	B 8
S17SW1-NO	P16-T	B 9

S18A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO
S18A-2A	P16-W	B 113
S18A-2B	P16-T*	B 123
S18A-3A	P16-X	B 114
S18A-3B	P16-S*	B 124
S18A-4A	P16-Y	B 115
S18A-4B	S18A-5B	BB 19
S18A-4B	P16-R*	B 125
S18A-5A	P16-Z	B 116
S18A-5B	S18A-4B	BB 19
S18A-6A	P16-A*	B 117

CODE IDENT NO. 99974 SIZE A 2900678
SCALE-NONE REV LTR SHEET 70 OF 75

(CONT.) S18A SWITCH ROTARY 1015825-017 FIGURE 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S18A-6B	S18A-7B	BB 20			
S18A-6B	P16-P*	B 126			
S18A-7A	P16-B*	B 118			
S18A-7B	S18A-6B	BB 20			
S18A-8A	P16-C*	B 119			
S18A-8B	S18A-9B	BB 21			
S18A-8B	P16-N*	B 127			
S18A-9A	P16-D*	B 120			
S18A-9B	S18A-8B	BB 21			
S18A-10A	P16-E*	B 121			
S18A-10B	P16-M*	B 128			
S18A-11A	P16-F*	B 122			
S18A-11B	P16-K*	B 129			
S18A-13A	P16-V	B 112			
S18A-13B	S11SW1-NO	B 109			

SHLD SHIELD GROUND

FROM	TO	LEAD NO
SHLD A254	E24	A 254A
SHLD A255	E24	A 255A
SHLD A256	E24	A 256A
SHLD A257	E24	A 257A
SHLD A258	E24	A 258A
SHLD A259	E24	A 259A
SHLD A260	E2	A 260A
SHLD A289	E24	A 289A
SHLD A301	E2	A 301A
SHLD A367	E2	A 367A
SHLD A376	E2	A 376A
SHLD A379	E2	A 379A

CODE IDENT NO.	SIZE	
99974	A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 71 OF 75

(CONT.) SHLD SHIELD GROUND

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
SHLD A381	E2	A 381A			
SHLD A382	E2	A 382A			
SHLD A385	E2	A 385A			
SHLD A386	E2	A 386A			
SHLD A485	E2	A 485A			
SHLD B148	E11	B 148A			
SHLD B149	E11	B 149A			

XDS1 LIGHT 1015869-743 FIGURE 17

FROM	TO	LEAD NO
XDS1-A	XDS1-C	BB 4
XDS1-A	S1SW1-NC	B 28
XDS1-C	XDS1-A	BB 4
XDS1-G	XDS1-H	BB 24
XDS1-G	E23	B 27
XDS1-H	XDS1-G	BB 24

XDS2 LIGHT 1015869-328 FIGURE 12

FROM	TO	LEAD NO
XDS2-A	XDS2-C	BB 3
XDS2-A	S2SW1-NC	B 21
XDS2-C	XDS2-A	BB 3
XDS2-G	E23	B 20

CODE IDENT NO.	SIZE	
99974	A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 72 OF 75

XDS3 LIGHT 1015844-001 FIGURE 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRB CODE
XDS3-0	P14-K	B 101			
XDS3-1	P14-L	B 92			
XDS3-2	P14-M	B 93			
XDS3-3	P14-N	B 94			
XDS3-4	P14-P	B 95			
XDS3-5	P14-R	B 96			
XDS3-6	P14-S	B 97			
XDS3-7	P14-T	B 98			
XDS3-8	P14-U	B 99			
XDS3-9	P14-V	B 100			
XDS3-11	P13-M	B 102			
XDS3-12	P13-N	B 103			
XDS3-13	P13-P	B 104			
XDS3-14	P13-R	B 105			
XDS3-15	P13-S	B 106			
XDS3-20	P13-T	B 197			

XDS4 LIGHT 1015869-702 FIGURE 14

FROM	TO	LEAD NO
XDS4-A	XDS4-C	BB 5
XDS4-A	S3SW1-NC	B 35
XDS4-C	XDS4-A	BB 5
XDS4-G	E23	B 34

CODE IDENT NO.	SIZE	
99974	A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 73 OF 75

XDS5 LIGHT 1015869-329 FIGURE 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS5-A	XDS5-C	BB 2			
XDS5-A	S4SW1-NC	B 13			
XDS5-C	XDS5-A	BB 2			
XDS5-G	E23	B 12			

XDS6 LIGHT 1015869-703 FIGURE 14

FROM	TO	LEAD NO
XDS6-A	XDS6-C	BB 14
XDS6-A	S9SW1-NC	B 52
XDS6-C	XDS6-A	BB 14
XDS6-G	E23	B 51

XDS7 LIGHT 1015869-740 FIGURE 14

FROM	TO	LEAD NO
XDS7-A	XDS7-C	BB 18
XDS7-A	S11SW1-NO	B 108
XDS7-C	XDS7-A	BB 18
XDS7-G	E23	B 107
XDS7-G	S11SW2-C	B 192

XDS8 LIGHT 1015869-517 FIGURE 13

FROM	TO	LEAD NO
XDS8-A	XDS8-C	BB 17
XDS8-A	S12SW1-NC	B 83
XDS8-C	XDS8-A	BB 17
XDS8-G	E23	B 82

CODE IDENT NO.	SIZE	
99974	A	2900678
SCALE-NONE	REV LTR ~~A~~ B	SHEET 74 OF 75

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	XDS9 LIGHT 1015869-739 FIGURE 14				
XDS9-A	XDS9-C	BB 16			
XDS9-A	S13SW1-NC	B 76			
XDS9-C	XDS9-A	BB 16			
XDS9-G	E23	B 75			
	XDS10 LIGHT 1015869-738 FIGURE 14				
XDS10-A	XDS10-C	BB 15			
XDS10-A	S14SW1-NC	B 68			
XDS10-C	XDS10-A	BB 15			
XDS10-G	E23	B 67			
	XDS11 LIGHT 1015869-737 FIGURE 14				
XDS11-A	XDS11-C	BB 1			
XDS11-A	P16-A	B 7			
XDS11-C	XDS11-A	BB 1			
XDS11-G	E23	B 6			
	XF1 FUSEHOLDER 1015873-008 FIGURE 15				
XF1-1	E25	B 5			
XF1-2	P15-A	B 3			

CODE IDENT NO.	SIZE	
99974	A	2900678
SCALE-NONE	REV LTR B	SHEET 75 OF 75

MIL 2074 3-63 WIR

APPLICATION	
NEXT ASSY	USED ON
2900024-011	2900024-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 203879	24 AUG 65	R.M.T. E F
B	REVISED PER MXC 204436	8 SEPT 65	RTP W.L.
C	REVISED PER MXC 205442	5 OCT 65	RLP J.A.C.
D	INITIAL RELEASE CLASS A PER TDRR 23557	19 OCT 65	TE

REV STATUS OF SHEETS																								
REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
REV	D	D	D	D	D	D	D	D																
SHEET	24	25	26	27	28	29	30	31																

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Orzel DATE 29 JUL 65
CHECKED A. Oldrovich 5 AUG 65
APPROVAL 6 AUG 65
APPROVAL 10-12-6

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "C"

CODE IDENT NO. 99974
SIZE A
2900686
REV D
SCALE ~
SHEET 1 OF 31

WIRING HARNESS, C 2900686 D

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019.
4	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
8	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 24.
9	LACE HARNESS USING ITEM 24.
10	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEM 18.
11	ITEM 17 (85 PIECES), AND ITEM 18 (13 PIECES), ARE SUPPLIED WITH ITEM 13.
12	SECURE TO HARNESS USING ITEM 24.
13	MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED .12 INCH HIGH, COLOR BLACK, PER ND1002019, CENTRALIZE.
14	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900686
SCALE-NONE	REV LTR D	SHEET 2 OF 31

MIL 2064 4-63

WIRING HARNESS, C 2900686 D

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
15	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 21 OR ITEMS 22 AND 23.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900686
SCALE-NONE	REV LTR D	SHEET 3 OF 31

MIL 2064 4-63

WIRING HARNESS, C 2900686 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900686-001	WIRE, ND1002181, TYPE 1, CLASS 1, 24AWG, WHT, TOTAL LENGTH
6	2	1	1016059-101	CONNECTOR, PLUG, ELECTRICAL
6	3	1	1016059-102	CONNECTOR, PLUG, ELECTRICAL
6	4	1	1016059-103	CONNECTOR, PLUG, ELECTRICAL
6	5	1	1016059-104	CONNECTOR, PLUG, ELECTRICAL
6	6	1	1016059-1 5	CONNECTOR, PLUG, ELECTRICAL
6	7	1	1016059-106	CONNECTOR, PLUG, ELECTRICAL
6	8	1	1016059-107	CONNECTOR, PLUG, ELECTRICAL
6	9	1	1016059-108	CONNECTOR, PLUG, ELECTRICAL
6	10	1	1016059-109	CONNECTOR, PLUG, ELECTRICAL
6	11	1	1016059-110	CONNECTOR, PLUG, ELECTRICAL
6	12	10	1897267-001	CONNECTOR, RECEPTACLE, ELECTRICAL
6	13	1	1897252-002	CONNECTOR, RECEPTACLE, ELECTRICAL
6	14	172	1897266- 1	CONTACT, RECEPTACLE
6	15	AR	1901390	FILLER TAPE
6	16	266	1015864-172	INSULATION SLEEVING, ELECTRICAL
11	17		1897190- 1	CONTACT, PIN
11	18		1010958	SEALING PLUG

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900686
SCALE-NONE	REV LTR D	SHEET 4 OF 31

MIL 2064 4-63

WIRING HARNESS, C 2900686 D

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	19	21	1016128-011	BAND-IDENTIFICATION BLANK
	20	1	2900686-002	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT, TOTAL LENGTH
	21	AR	SN60WRAP	SOLDER, QQ-S-571, (ES2175-3)
	22	AR	SN60WS	SOLDER, QQ-S-571, (ES2175-1)
	23	AR	MIL-F-14256 TYPE A OR W	FLUX, (ES2798)
	24	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732, NO.18)
6	25	1	1015902- 8	TERMINAL LUG
6	26	6	1010490-256	INSULATION SLEEVING, HEAT SHRINK.
6	27	6	1016006-003	SPLICE REDUCER

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900686
SCALE-NONE	REV LTR D	SHEET 5 OF 31

MIL 2064 4-63

WIRING HARNESS, C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C	1	1	J13-1 P2-A	15 1				.15 .31	NO YES		17 16	
C	2	1	J13-2 P2-B	15 1				.15 .31	NO YES		17 16	
C	3	1	J13-3 P2-C	15 1				.15 .31	NO YES		17 16	
C	4	1	J13-4 P2-D	15 1				.15 .31	NO YES		17 16	
C	5	1	J13-5 P2-E	15 1				.15 .31	NO YES		17 16	
C	6	1	J13-6 P2-F	15 1				.15 .31	NO YES		17 16	
C	7	1	J13-7 P2-G	15 1				.15 .31	NO YES		17 16	
C	8	1	J13-8 P2-H	15 1				.15 .31	NO YES		17 16	
C	9	1	J13-9 P2-J	15 1				.15 .31	NO YES		17 16	
C	10	1	J13-10 P2-K	15 1				.15 .31	NO YES		17 16	
C	11	1	J13-11 P2-L	15 1				.15 .31	NO YES		17 16	
C	12	1	J13-12 P2-M	15 1				.15 .31	NO YES		17 16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 6 OF 31

MIL 2084 4-63

WIRING HARNESS, C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C	13	1	J13-13 P2-N	15 1				.15 .31	NO YES		17 16	
C	14	1	J13-14 P2-P	15 1				.15 .31	NO YES		17 16	
C	15	1	J13-15 P2-R	15 1				.15 .31	NO YES		17 16	
C	16	1	J13-16 P2-S	15 1				.15 .31	NO YES		17 16	
C	17	1	J13-17 P2-T	15 1				.15 .31	NO YES		17 16	
C	18	1	J13-18 P2-U	15 1				.15 .31	NO YES		17 16	
C	19	1	J13-19 P2-V	15 1				.15 .31	NO YES		17 16	
C	20	1	J13-20 P2-W	15 1				.15 .31	NO YES		17 16	
C	21	1	J13-21 P2-X	15 1				.15 .31	NO YES		17 16	
C	22	1	J13-22 P2-Y	15 1				.15 .31	NO YES		17 16	
C	23	1	J13-23 P2-Z	15 1				.15 .31	NO YES		17 16	
C	24	1	J13-24 P2-A*	15 1				.15 .31	NO YES		17 16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 7 OF 31

MIL 2084 4-63

WIRING HARNESS, C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C	25	1	J13-25 P2-B*	15 1				.15 .31	NO YES		17 16	
C	26	1	J13-26 P2-C*	15 1				.15 .31	NO YES		17 16	
C	27	1	J13-27 P3-A	15 2				.15 .31	NO YES		17 16	
C	28	1	J13-28 P3-B	15 2				.15 .31	NO YES		17 16	
C	29	1	J13-29 P3-C	15 2				.15 .31	NO YES		17 16	
C	30	1	J13-30 P3-D	15 2				.15 .31	NO YES		17 16	
C	31	1	J13-31 P3-E	15 2				.15 .31	NO YES		17 16	
C	32	1	J13-32 P3-F	15 2				.15 .31	NO YES		17 16	
C	33	1	J13-33 P3-G	15 2				.15 .31	NO YES		17 16	
C	34	1	J13-34 P3-H	15 2				.15 .31	NO YES		17 16	
C	35	1	J13-35 P3-J	15 2				.15 .31	NO YES		17 16	
C	36	1	J13-36 P3-K	15 2				.15 .31	NO YES		17 16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 8 OF 31

MIL 2084 4-63

WIRING HARNESS, C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C	37	1	J13-37 P3-L	15 2				.15 .31	NO YES		17 16	
C	38	1	J13-38 P3-M	15 2				.15 .31	NO YES		17 16	
C	39	1	J13-39 P3-N	15 2				.15 .31	NO YES		17 16	
C	40	1	J13-40 P3-P	15 2				.15 .31	NO YES		17 16	
C	41	1	J13-41 P3-R	15 2				.15 .31	NO YES		17 16	
C	42	1	J13-42 P3-S	15 2				.15 .31	NO YES		17 16	
C	43	1	J13-43 P3-T	15 2				.15 .31	NO YES		17 16	
C	44	1	J13-44 P3-U	15 2				.15 .31	NO YES		17 16	
C	45	1	J13-45 P3-V	15 2				.15 .31	NO YES		17 16	
C	46	1	J13-46 P3-W	15 2				.15 .31	NO YES		17 16	
C	47	1	J13-47 P3-X	15 2				.15 .31	NO YES		17 16	
C	48	1	J13-48 P3-Y	15 2				.15 .31	NO YES		17 16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 9 OF 31

MIL 2084 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 49	1		J13-49 P3-Z	15 2				.15 .31	NO YES		17 16	
C 50	1		J13-50 P3-A*	15 2				.15 .31	NO YES		17 16	
C 51	1		J13-51 P3-B*	15 2				.15 .31	NO YES		17 16	
C 52	1		J13-52 P3-C*	15 2				.15 .31	NO YES		17 16	
C 53	1		J13-53 P4-A	15 3				.15 .31	NO YES		17 16	
C 54	1		J13-54 P4-B	15 3				.15 .31	NO YES		17 16	
C 55	1		J13-55 P4-C	15 3				.15 .31	NO YES		17 16	
C 56	1		J13-56 P4-D	15 3				.15 .31	NO YES		17 16	
C 57	1		J13-57 P4-E	15 3				.15 .31	NO YES		17 16	
C 58	1		J13-58 P4-F	15 3				.15 .31	NO YES		17 16	
C 59	1		J13-59 P4-G	15 3				.15 .31	NO YES		17 16	
C 60	1		J13-60 P4-H	15 3				.15 .31	NO YES		17 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900686
SCALE - NONE
REV LTR D
SHEET 10 OF 31

MIL 2064 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 61	1		J13-61 P4-J	15 3				.15 .31	NO YES		17 16	
C 62	1		J13-62 P4-K	15 3				.15 .31	NO YES		17 16	
C 63	1		J13-63 P4-L	15 3				.15 .31	NO YES		17 16	
C 64	1		J13-64 P4-M	15 3				.15 .31	NO YES		17 16	
C 65	1		J13-65 P4-N	15 3				.15 .31	NO YES		17 16	
C 66	1		J13-66 P4-P	15 3				.15 .31	NO YES		17 16	
C 67	1		J13-67 P4-R	15 3				.15 .31	NO YES		17 16	
C 68	1		J13-68 P4-S	15 3				.15 .31	NO YES		17 16	
C 69	1		J13-69 P4-T	15 3				.15 .31	NO YES		17 16	
C 70	1		J13-70 P4-U	15 3				.15 .31	NO YES		17 16	
C 71	1		P77-A1 P4-V	12 3				.12 .31	NO YES		14 16	
C 72	1		P77-A2 P4-W	12 3				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900686
SCALE - NONE
REV LTR D
SHEET 11 OF 31

MIL 2064 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 73	1		P77-A3 P4-X	12 3				.12 .31	NO YES		14 16	
C 74	1		P77-A4 P4-Y	12 3				.12 .31	NO YES		14 16	
C 75	1		P77-A5 P4-Z	12 3				.12 .31	NO YES		14 16	
C 76	1		P77-A6 P4-A*	12 3				.12 .31	NO YES		14 16	
C 77	1		P77-A7 P4-B*	12 3				.12 .31	NO YES		14 16	
C 78	1		P77-A8 P4-C*	12 3				.12 .31	NO YES		14 16	
C 79	1		P77-A9 P5-A	12 4				.12 .31	NO YES		14 16	
C 80	1		P77-A10 P5-B	12 4				.12 .31	NO YES		14 16	
C 81	1		P77-A11 P5-C	12 4				.12 .31	NO YES		14 16	
C 82	1		P77-A12 P5-D	12 4				.12 .31	NO YES		14 16	
C 83	1		P77-A13 P5-E	12 4				.12 .31	NO YES		14 16	
C 84	1		P77-A14 P5-F	12 4				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900686
SCALE - NONE
REV LTR D
SHEET 12 OF 31

MIL 2064 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 85	1		P77-A15 P5-G	12 4				.12 .31	NO YES		14 16	
C 86	1		P77-A16 P5-H	12 4				.12 .31	NO YES		14 16	
C 87	1		P77-A17 P5-J	12 4				.12 .31	NO YES		14 16	
C 88	1		P77-A18 P5-K	12 4				.12 .31	NO YES		14 16	
C 89	1		P77-A19 P5-L	12 4				.12 .31	NO YES		14 16	
C 90	1		P77-A20 P5-M	12 4				.12 .31	NO YES		14 16	
C 91	1		P77-A21 P5-N	12 4				.12 .31	NO YES		14 16	
C 92	1		P77-A22 P5-P	12 4				.12 .31	NO YES		14 16	
C 93	1		P77-A23 P5-R	12 4				.12 .31	NO YES		14 16	
C 94	1		P77-A24 P5-S	12 4				.12 .31	NO YES		14 16	
C 95	1		P77-B25 P5-T	12 4				.12 .31	NO YES		14 16	
C 96	1		P77-B26 P5-U	12 4				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900686
SCALE - NONE
REV LTR D
SHEET 13 OF 31

MIL 2064 4-63

WIRING HARNESS C

2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 97	1		P77-B27 P5-V	12 4				.12 .31	NO YES		14 16	
C 98	1		P77-B28 P5-W	12 4				.12 .31	NO YES		14 16	
C 99	1		P77-B29 P5-X	12 4				.12 .31	NO YES		14 16	
C 100	1		P77-B30 P5-Y	12 4				.12 .31	NO YES		14 16	
C 101	1		P77-B31 P5-Z	12 4				.12 .31	NO YES		14 16	
C 102	1		P77-B32 P5-A*	12 4				.12 .31	NO YES		14 16	
C 103	1		P77-C1 P5-B*	12 4				.12 .31	NO YES		14 16	
C 104	1		P77-C2 P5-C*	12 4				.12 .31	NO YES		14 16	
C 105	1		P77-C3 P6-A	12 5				.12 .31	NO YES		14 16	
C 106	1		P77-C4 P6-B	12 5				.12 .31	NO YES		14 16	
C 107	1		P77-C5 P6-C	12 5				.12 .31	NO YES		14 16	
C 108	1		P77-C6 P6-D	12 5				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686
SCALE-NONE | REV LTR D | SHEET 14 OF 31

MIL 2084 4-63

WIRING HARNESS C

2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 109	1		P77-C7 P6-E	12 5				.12 .31	NO YES		14 16	
C 110	1		P77-C8 P6-F	12 5				.12 .31	NO YES		14 16	
C 111	1		P77-C9 P6-G	12 5				.12 .31	NO YES		14 16	
C 112	1		P77-C10 P6-H	12 5				.12 .31	NO YES		14 16	
C 113	1		P77-C11 P6-J	12 5				.12 .31	NO YES		14 16	
C 114	1		P77-C12 P6-K	12 5				.12 .31	NO YES		14 16	
C 115	1		P77-C13 P6-L	12 5				.12 .31	NO YES		14 16	
C 116	1		P77-C14 P6-M	12 5				.12 .31	NO YES		14 16	
C 117	1		P77-C15 P6-N	12 5				.12 .31	NO YES		14 16	
C 118	1		P77-C16 P6-P	12 5				.12 .31	NO YES		14 16	
C 119	1		P77-C17 P6-R	12 5				.12 .31	NO YES		14 16	
C 120	1		P77-C18 P6-S	12 5				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686
SCALE-NONE | REV LTR D | SHEET 15 OF 31

MIL 2084 4-63

WIRING HARNESS C

2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 121	1		P77-C19 P6-T	12 5				.12 .31	NO YES		14 16	
C 122	1		P77-C20 P6-U	12 5				.12 .31	NO YES		14 16	
C 123	1		P77-C21 P6-V	12 5				.12 .31	NO YES		14 16	
C 124	1		P77-C22 P6-W	12 5				.12 .31	NO YES		14 16	
C 125	1		P77-C23 P6-X	12 5				.12 .31	NO YES		14 16	
C 126	1		P77-C24 P6-Y	12 5				.12 .31	NO YES		14 16	
C 127	1		P77-D25 P6-Z	12 5				.12 .31	NO YES		14 16	
C 128	1		P77-D26 P6-A*	12 5				.12 .31	NO YES		14 16	
C 129	1		P77-D27 P6-B*	12 5				.12 .31	NO YES		14 16	
C 130	1		P77-D28 P6-C*	12 5				.12 .31	NO YES		14 16	
C 131	1		P77-D29 P6-D*	12 5				.12 .31	NO YES		14 16	
C 132	1		P77-D30 P8-D*	12 7				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686
SCALE-NONE | REV LTR D | SHEET 16 OF 31

MIL 2084 4-63

WIRING HARNESS C

2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 133	1		P77-D31 P4-D*	12 3				.12 .31	NO YES		14 16	
C 134	1		P77-D32 P2-D*	12 1				.12 .31	NO YES		14 16	
C 135	1		P77-C30 P10-D*	12 9				.12 .31	NO YES		14 16	
C 136	1		P7-A* P70-D24	6 13				.31 .12	YES NO		16 14	
C 137	1		P78-C3 P7-C*	11 6				.12 .31	NO YES		14 16	
C 138	1		P78-D4 P7-B*	11 6				.12 .31	NO YES		14 16	
C 139	1		P7-A P70-C1	6 13				.31 .12	YES NO		16 14	
C 140	1		P7-B P70-C2	6 13				.31 .12	YES NO		16 14	
C 141	1		P78-A7 P9-D	11 8				.12 .31	NO YES		14 16	
C 142	1		P78-B7 P9-P	11 8				.12 .31	NO YES		14 16	
C 143	1		P78-C7 P9-A*	11 8				.12 .31	NO YES		14 16	
C 144	1		P78-D7 P78-D8	11 11				.12 .12	NO NO		14 14	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686
SCALE-NONE | REV LTR D | SHEET 17 OF 31

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
C 145	1		P78-A8 P8-K	11 7				.12 .31	NO YES		14 16	
C 146	1		P78-B8 P8-W	11 7				.12 .31	NO YES		14 16	
C 147	1		P78-A9 P8-A	11 7				.12 .31	NO YES		14 16	
C 148	1		P78-B9 P8-L	11 7				.12 .31	NO YES		14 16	
C 149	1		P78-C9 P78-C10	11 11				.12 .12	NO NO		14 14	
C 150	1		P78-D9 P8-X	11 7				.12 .31	NO YES		14 16	
C 151	1		P78-A10 P9-E	11 8				.12 .31	NO YES		14 16	
C 152	1		P78-B10 P9-R	11 8				.12 .31	NO YES		14 16	
C 153	1		P78-D10 P9-B*	11 8				.12 .31	NO YES		14 16	
C 154	1		P78-A11 P78-A12	11 11				.12 .12	NO NO		14 14	
C 155	1		P78-B11 P8-B	11 7				.12 .31	NO YES		14 16	
C 156	1		P78-C11 P8-M	11 7				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 18 OF 31

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
C 157	1		P78-D11 P8-Y	11 7				.12 .31	NO YES		14 16	
C 158	1		P78-B12 P9-S	11 8				.12 .31	NO YES		14 16	
C 159	1		P78-C12 P9-C*	11 8				.12 .31	NO YES		14 16	
C 160	1		P78-A13 P8-C	11 7				.12 .31	NO YES		14 16	
C 161	1		P78-B13 P78-B14	11 11				.12 .12	NO NO		14 14	
C 162	1		P78-C13 P8-N	11 7				.12 .31	NO YES		14 16	
C 163	1		P78-D13 P8-Z	11 7				.12 .31	NO YES		14 16	
C 164	1		P78-A14 P9-G	11 8				.12 .31	NO YES		14 16	
C 165	1		P78-C14 P9-T	11 8				.12 .31	NO YES		14 16	
C 166	1		P78-A15 P78-A16	11 11				.12 .12	NO NO		14 14	
C 167	1		P78-B15 P8-D	11 7				.12 .31	NO YES		14 16	
C 168	1		P78-C15 P8-P	11 7				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 19 OF 31

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
C 169	1		P78-D15 P8-A*	11 7				.12 .31	NO YES		14 16	
C 170	1		P78-B16 P9-H	11 8				.12 .31	NO YES		14 16	
C 171	1		P78-C16 P9-U	11 8				.12 .31	NO YES		14 16	
C 172	1		P78-A17 P8-E	11 7				.12 .31	NO YES		14 16	
C 173	1		P78-B17 P78-B18	11 11				.12 .12	NO NO		14 14	
C 174	1		P78-C17 P8-R	11 7				.12 .31	NO YES		14 16	
C 175	1		P78-D17 P8-B*	11 7				.12 .31	NO YES		14 16	
C 176	1		P78-A18 P9-J	11 8				.12 .31	NO YES		14 16	
C 177	1		P78-C18 P9-V	11 8				.12 .31	NO YES		14 16	
C 178	1		P78-A19 P8-F	11 7				.12 .31	NO YES		14 16	
C 179	1		P78-B19 P8-S	11 7				.12 .31	NO YES		14 16	
C 180	1		P78-C19 P78-C20	11 11				.12 .12	NO NO		14 14	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 20 OF 31

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
C 181	1		P78-D19 P8-C*	11 7				.12 .31	NO YES		14 16	
C 182	1		P78-A20 P9-K	11 8				.12 .31	NO YES		14 16	
C 183	1		P78-B20 P9-W	11 8				.12 .31	NO YES		14 16	
C 184	1		P78-A21 P8-G	11 7				.12 .31	NO YES		14 16	
C 185	1		P78-B21 P8-T	11 7				.12 .31	NO YES		14 16	
C 186	1		P78-C21 P9-A	11 8				.12 .31	NO YES		14 16	
C 187	1		P78-D21 P78-D22	11 11				.12 .12	NO NO		14 14	
C 188	1		P78-A22 P9-L	11 8				.12 .31	NO YES		14 16	
C 189	1		P78-B22 P9-X	11 8				.12 .31	NO YES		14 16	
C 190	1		P78-A23 P78-A24	11 11				.12 .12	NO NO		14 14	
C 191	1		P78-B23 P8-H	11 7				.12 .31	NO YES		14 16	
C 192	1		P78-C23 P8-U	11 7				.12 .31	NO YES		14 16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS

SIZE A

2900686

SCALE - NONE

REV LTR D

SHEET 21 OF 31

MIL 2084 4-63

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 193	1		P78-D23 P9-B	11 8				.12 .31	NO YES		14 16	
C 194	1		P78-B24 P9-M	11 8				.12 .31	NO YES		14 16	
C 195	1		P78-C24 P9-Y	11 8				.12 .31	NO YES		14 16	
C 196	1		P78-A25 P8-J	11 7				.12 .31	NO YES		14 16	
C 197	1		P78-B25 P78-B26	11 11				.12 .12	NO NO		14 14	
C 198	1		P78-C25 P8-V	11 7				.12 .31	NO YES		14 16	
C 199	1		P78-D25 P9-C	11 8				.12 .31	NO YES		14 16	
C 200	1		P78-A26 P9-N	11 8				.12 .31	NO YES		14 16	
C 201	1		P78-C26 P9-Z	11 8				.12 .31	NO YES		14 16	
C 202	1		P10-K E1-B	9 17				.31 .38	YES NO		16	
C 203	1		P10-L E1-B	9 17				.31 .38	YES NO		16	
C 204	1		P10-M E1-B	9 17				.31 .38	YES NO		16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900686
SCALE-NONE
REV LTR D
SHEET 22 OF 31

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 205	1		P10-N E1-B	9 17				.31 .38	YES NO		16	
C 206	1		P10-P E1-B	9 17				.31 .38	YES NO		16	
C 207	1		P10-R E1-B	9 17				.31 .38	YES NO		16	
C 208	1		P10-S E1-B	9 17				.31 .38	YES NO		16	
C 209	1		P10-T E1-B	9 17				.31 .38	YES NO		16	
C 210	1		P10-U E1-B	9 17				.31 .38	YES NO		16	
C 211	1		P10-V E1-B	9 17				.31 .38	YES NO		16	
C 212	1		E1-BB P78-A27	17 11				.38 .12	NO NO		14	
C 213	1		P10-W E2-B	9 19				.31 .38	YES NO		16	
C 214	1		P10-X E2-B	9 19				.31 .38	YES NO		16	
C 215	1		P10-Y E2-B	9 19				.31 .38	YES NO		16	
C 216	1		P10-Z E2-B	9 19				.31 .38	YES NO		16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900686
SCALE-NONE
REV LTR D
SHEET 23 OF 31

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 217	1		P10-A* E2-B	9 19				.31 .38	YES NO		16	
C 218	1		P10-B* E2-B	9 19				.31 .38	YES NO		16	
C 219	1		P10-C* E2-B	9 19				.31 .38	YES NO		16	
C 220	1		P11-A E2-B	10 19				.31 .38	YES NO		16	
C 221	1		P11-B E2-B	10 19				.31 .38	YES NO		16	
C 222	1		P11-C E2-B	10 19				.31 .38	YES NO		16	
C 223	1		E2-BB P78-B28	19 11				.38 .12	NO NO		14	
C 224	1		P11-D E3-B	10 18				.31 .38	YES NO		16	
C 225	1		P11-E E3-B	10 18				.31 .38	YES NO		16	
C 226	1		P11-F E3-B	10 18				.31 .38	YES NO		16	
C 227	1		P11-G E3-B	10 18				.31 .38	YES NO		16	
C 228	1		P11-H E3-B	10 18				.31 .38	YES NO		16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900686
SCALE-NONE
REV LTR D
SHEET 24 OF 31

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 229	1		P11-J E3-B	10 18				.31 .38	YES NO		16	
C 230	1		P11-K E3-B	10 18				.31 .38	YES NO		16	
C 231	1		P11-L E3-B	10 18				.31 .38	YES NO		16	
C 232	1		P11-M E3-B	10 18				.31 .38	YES NO		16	
C 233	1		P11-N E3-B	10 18				.31 .38	YES NO		16	
C 234	1		E3-BB P78-C29	18 11				.38 .12	NO NO		14	
C 235	1		P11-P E4-B	10 20				.31 .38	YES NO		16	
C 236	1		P11-R E4-B	10 20				.31 .38	YES NO		16	
C 237	1		P11-S E4-B	10 20				.31 .38	YES NO		16	
C 238	1		P11-T E4-B	10 20				.31 .38	YES NO		16	
C 239	1		P11-U E4-B	10 20				.31 .38	YES NO		16	
C 240	1		P11-V E4-B	10 20				.31 .38	YES NO		16	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900686
SCALE-NONE
REV LTR D
SHEET 25 OF 31

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 241	1		P11-W E4-B	10 20				.31 .38	YES NO		16	
C 242	1		P11-X E4-B	10 20				.31 .38	YES NO		16	
C 243	1		P11-Y E4-B	10 20				.31 .38	YES NO		16	
C 244	1		P11-Z E4-B	10 20				.31 .38	YES NO		16	
C 245	1		E4-BB P78-D30	20 11				.38 .12	NO NO		14	
C 246	1		P11-A* P78-A31	10 11				.31 .12	YES NO		16 14	
C 247	1		P11-B* P78-B31	10 11				.31 .12	YES NO		16 14	
C 248	1		P11-C* P78-C31	10 11				.31 .12	YES NO		16 14	
C 249	1		P7-C P70-C3	6 13				.31 .12	YES NO		16 14	
C 250	1		P7-D P70-C4	6 13				.31 .12	YES NO		16 14	
C 251	1		P7-E P70-C5	6 13				.31 .12	YES NO		16 14	
C 252	1		P7-F P70-C6	6 13				.31 .12	YES NO		16 14	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686

SCALE-NONE | REV LTR D | SHEET 26 OF 31

MIL 2084 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 253	1		P7-G P70-C7	6 13				.31 .12	YES NO		16 14	
C 254	1		P7-H P70-C8	6 13				.31 .12	YES NO		16 14	
C 255	1		P7-J P70-C9	6 13				.31 .12	YES NO		16 14	
C 256	1		P7-K P70-C10	6 13				.31 .12	YES NO		16 14	
C 257	1		P7-L P70-C11	6 13				.31 .12	YES NO		16 14	
C 258	1		P7-M P70-C12	6 13				.31 .12	YES NO		16 14	
C 259	1		P7-N P70-C13	6 13				.31 .12	YES NO		16 14	
C 260	1		P7-P P70-C14	6 13				.31 .12	YES NO		16 14	
C 261	1		P7-R P70-C15	6 13				.31 .12	YES NO		16 14	
C 262	1		P7-S P70-D16	6 13				.31 .12	YES NO		16 14	
C 263	1		P7-T P70-D17	6 13				.31 .12	YES NO		16 14	
C 264	1		P7-U P70-D18	6 13				.31 .12	YES NO		16 14	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686

SCALE-NONE | REV LTR D | SHEET 27 OF 31

MIL 2084 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 265	1		P7-V P70-D19	6 13				.31 .12	YES NO		16 14	
C 266	1		P7-W P70-D20	6 13				.31 .12	YES NO		16 14	
C 267	1		P7-X P70-D21	6 13				.31 .12	YES NO		16 14	
C 268	1		P7-Y P70-D22	6 13				.31 .12	YES NO		16 14	
C 269	1		P7-Z P70-D23	6 13				.31 .12	YES NO		16 14	
C 270			DELETED									
C 271	1		P9-F P78-D12	8 11				.31 .12	YES NO		16 14	
C 272	1		J13-75 E5-B	15 14				.15 .38	NO NO		17	
C 273	1		J13-76 E5-B	15 14				.15 .38	NO NO		17	
C 274	1		J13-77 E5-B	15 14				.15 .38	NO NO		17	
C 275	1		J13-78 E5-B	15 14				.15 .38	NO NO		17	
C 276	1		J13-79 E5-B	15 14				.15 .38	NO NO		17	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686

SCALE-NONE | REV LTR D | SHEET 28 OF 31

MIL 2084 4-63

WIRING HARNESS C 2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 277	1		J13-80 E5-B	15 14				.15 .38	NO NO		17	
C 278	1		J13-81 E5-B	15 14				.15 .38	NO NO		17	
C 279	1		J13-82 E5-B	15 14				.15 .38	NO YES		17	
C 280	1		J13-83 E5-B	15 14				.15 .38	NO NO		17	
C 281	1		J13-84 E5-B	15 14				.15 .38	NO NO		17	
C 282	1		J13-85 E5-B	15 14				.15 .38	NO NO		17	
C 283	20		E5-BB TB3-10	14 16				.38 .19	NO NO		26	
C 284	1		P10-A E6-B	9 21				.31 .38	YES NO		16	
C 285	1		P10-B E6-B	9 21				.31 .38	YES NO		16	
C 286	1		P10-C E6-B	9 21				.31 .38	YES NO		16	
C 287	1		P10-D E6-B	9 21				.31 .38	YES NO		16	
C 288	1		P10-E E6-B	9 21				.31 .38	YES NO		16	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900686

SCALE-NONE | REV LTR D | SHEET 29 OF 31

MIL 2084 4-63

WIRING HARNESS C

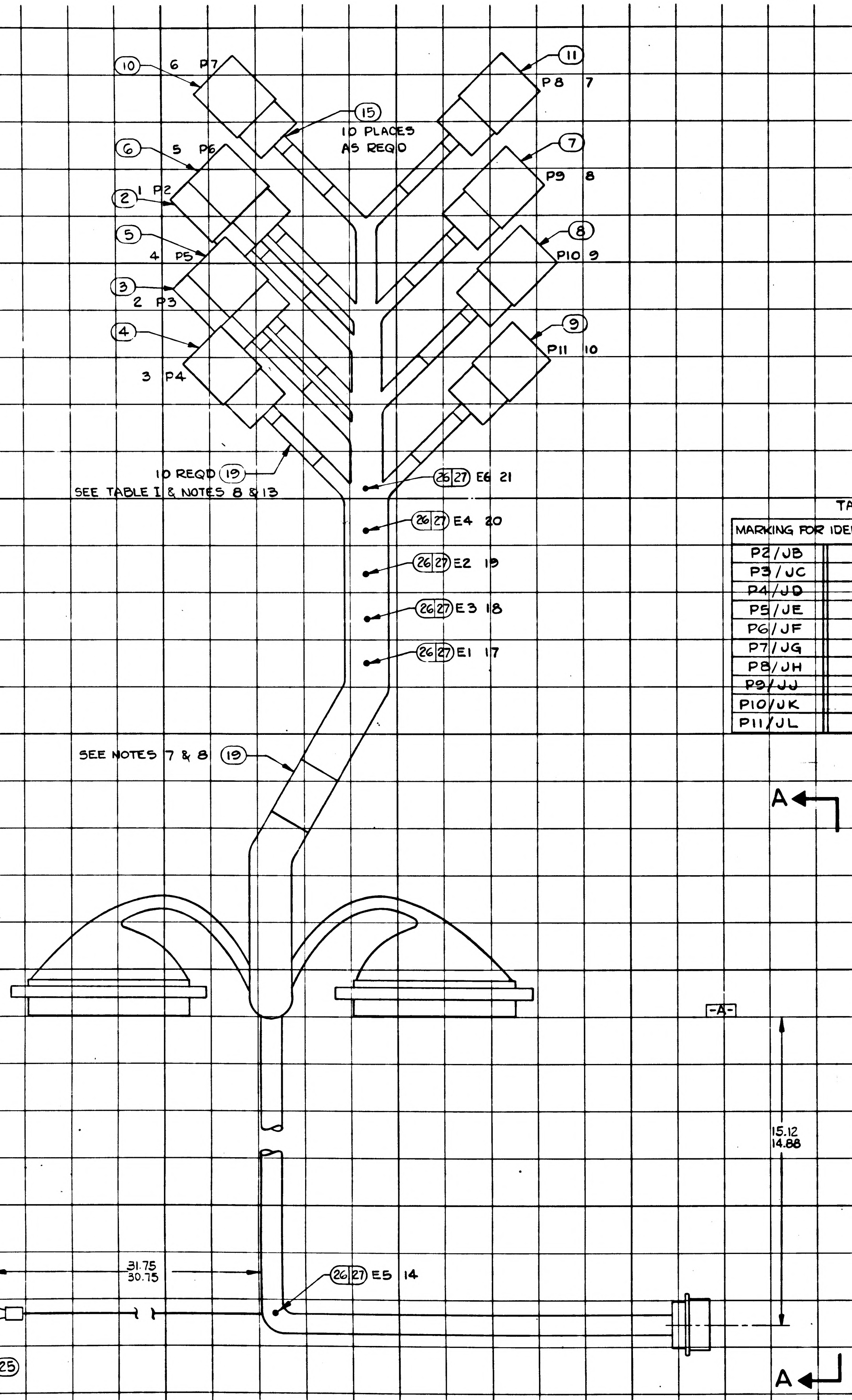
2900686 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
C 289	1		P10-F E6-B	9 21				.31 .38	YES NO		16	
C 290	1		P10-G E6-B	9 21				.31 .38	YES NO		16	
C 291	1		P10-H E6-B	9 21				.31 .38	YES NO		16	
C 292	1		P10-J E6-B	9 21				.31 .38	YES NO		16	
C 293	1		P78-A32 E6-BB	11 21				.12 .38	YES NO		14	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900686
SCALE - NONE	REV LTR D	SHEET 30 OF 31

MIL 2084 4-63

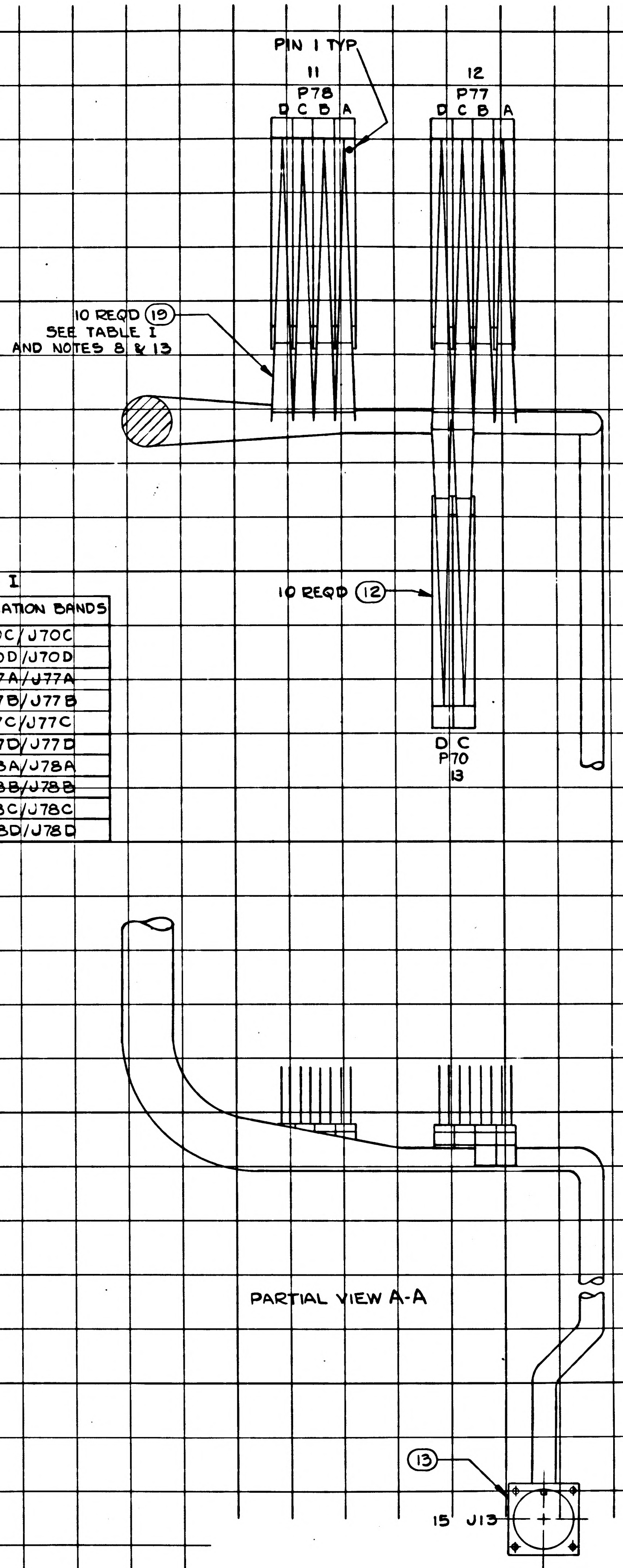
REVISIONS TDRR 23557				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		SEE SHT 1 FOR REV RECORD CHG NO		



10 6 P7
11 P8 7
15 10 PLACES AS REQ'D
6 5 P6
7 P9 8
2 1 P2
5 4 P5
8 P10 9
3 2 P3
9 P11 10
4 3 P4
10 REQD 19 SEE TABLE I & NOTES 8 & 13
26 27 E6 21
26 27 E4 20
26 27 E2 19
26 27 E3 18
26 27 E1 17
SEE NOTES 7 & 8 19
A
-A-
15.12
14.88
31.75
30.75
16
25
26 27 E5 14
A

TABLE I

MARKING FOR IDENTIFICATION BANDS	
P2/JB	P70C/J70C
P3/JC	P70D/J70D
P4/JD	P77A/J77A
P5/JE	P77B/J77B
P6/JF	P77C/J77C
P7/JG	P77D/J77D
P8/JH	P78A/J78A
P9/JJ	P78B/J78B
P10/JK	P78C/J78C
P11/JL	P78D/J78D



PIN 1 TYP
11
P78
D C B A
12
P77
D C B A
10 REQD 19
SEE TABLE I
AND NOTES 8 & 13
10 REQD 12
D C
P70
13
13
15 J13

PARTIAL VIEW A-A

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Orzel 5 AUG 65 DATE
CHECKED 6 AUG 65
APPROVAL 6 AUG 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS 'C"

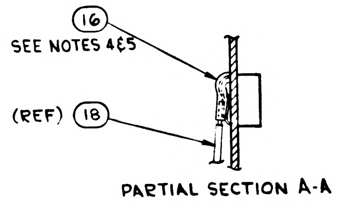
CODE IDENT NO.	SIZE	
99974	E	2900686
SCALE		SHEET 31 OF 31

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 203818		11 AUG 65	
	B	INITIAL RELEASE CLASS A PER TDRR 23556			

NOTES:

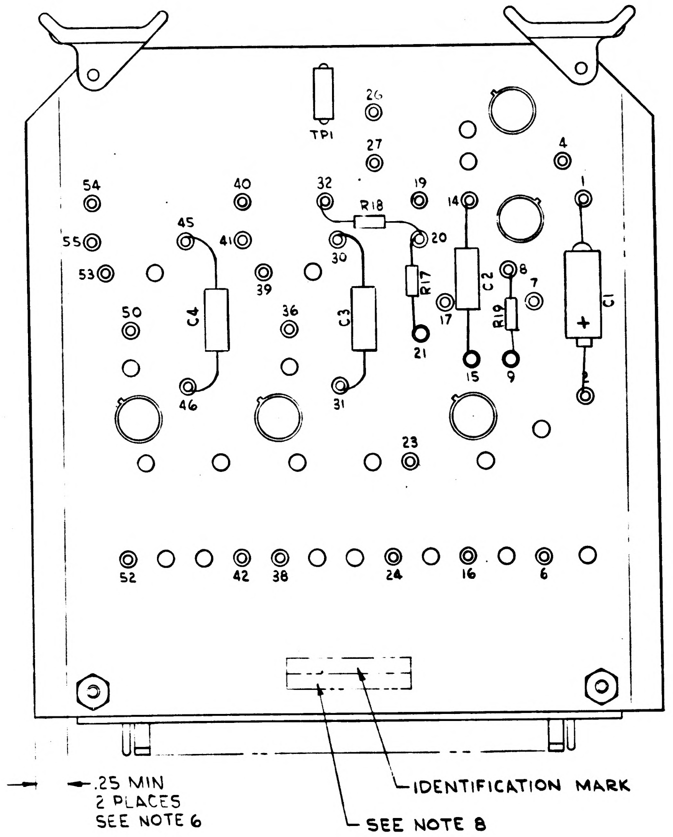
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872(ES2505-1) USING ITEM ⑲, OR ⑳ AND ㉑.
3. USE ITEM ⑦ AS REQUIRED ON LEADS OF ITEM ⑫.
4. BOND ITEMS ④, ⑩ AND ⑫ TO ITEM ① PER ND1002203.
5. FORM OVER TERMINALS OF ITEM ④ AS SHOWN AND BOND SLEEVING, ITEM ⑥, TO ITEM ① PER ND1002203.
6. COMPONENTS AND WIRING NOT TO EXTEND INTO AREAS INDICATED.
7. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
8. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND1002019, .09 HIGH.
9. SERIALIZE PER ND1002023.
10. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
11. DIODE SYMBOLS ARE FOR REFERENCE ONLY.

REF DES	ITEM NO.
C1	10
C2	9
C3	9
C4	9
CR1 THRU CR16	11 16 REQD
P1	3
Q1	12
Q2	12
Q3	12
Q4	12
Q5	12
R1	5
R2	7
R3	8
R4	6
R5	6
R6	7
R7	8
R8	6
R9	6
R10	7
R11	8
R12	6
R13	6
R14	7
R15	8
R16	6
R17	6
R18	23
R19	6
TP1	4

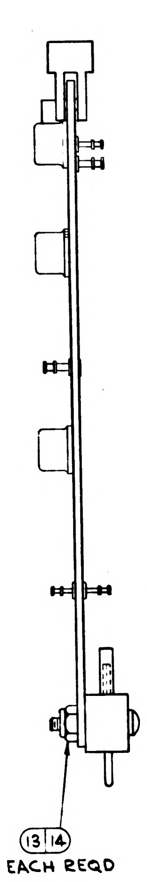


⑯
SEE NOTES 4&5
(REF) ⑱

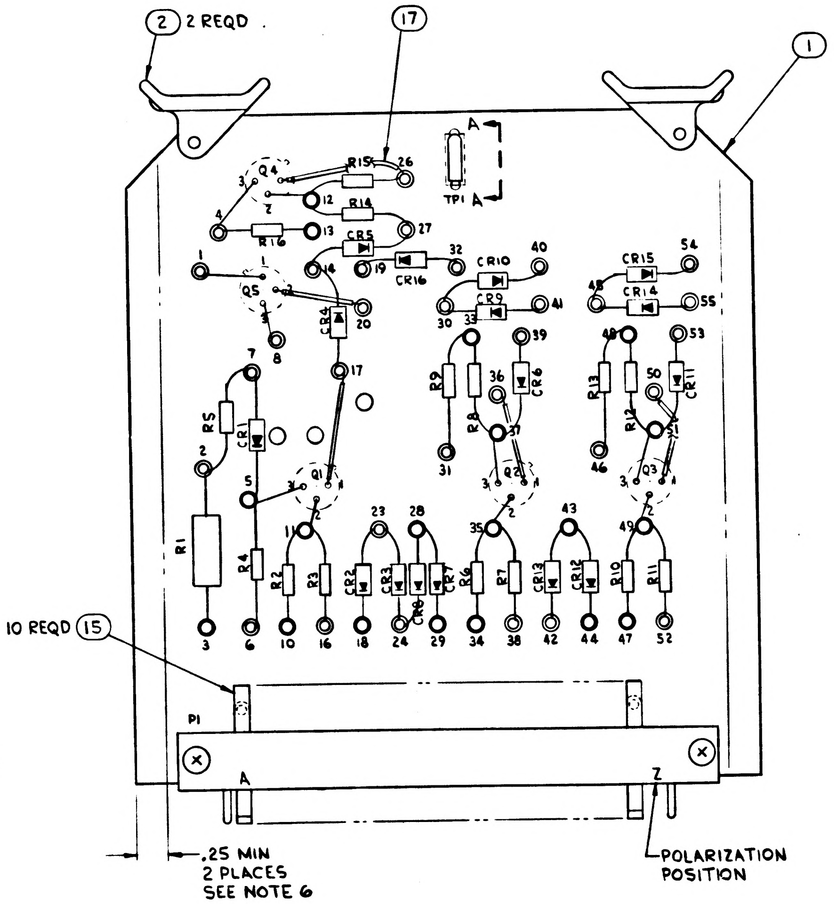
PARTIAL SECTION A-A



TP1
26
27
4
1
54
40
32
19
55
45
41
18
R18
20
14
53
30
R17
C2
8
7
39
C4
C3
C1
50
36
17
R19
21
15
9
46
31
23
52
42
38
24
16
6
.25 MIN
2 PLACES
SEE NOTE 6
IDENTIFICATION MARK
SEE NOTE 8



⑬⑭
2 EACH REQD



② 2 REQD
⑰
①
Q4
R15
26
TP1
A
A
R14
12
13
27
R16
1
14
19
32
CR10
40
54
CR15
CR16
CR5
Q5
CR9
41
48
CR14
55
CR4
20
30
33
39
49
53
7
8
17
R9
36
CR6
R13
CR11
R5
CR1
R8
R12
2
Q1
Q2
46
Q3
31
5
23
28
35
43
49
R1
R4
R2
R3
CR2
CR3
CR7
CR8
R6
R7
CR12
CR13
R10
R11
3
6
10
16
18
24
29
34
38
42
44
47
52
10 REQD ⑮
P1
A
Z
.25 MIN
2 PLACES
SEE NOTE 6
POLARIZATION
POSITION

	QUANTITY REQUIRED 011	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	X	26	PS2900687	PROCUREMENT SPECIFICATION
	X	25	2900689	SCHEMATIC DIAGRAM
	1	24	2900690	LEAD SET
	1	23	RC07GF102J(1896985-049)	RESISTOR MIL-R-11/8
		22		
	AR	21	SN60WS	SOLDER QQ-S-571(ES2175-1)
	AR	20	MIL-F-14256 TYPE A OR W	FLUX(ES2798)
	AR	19	SN60 WRAP	SOLDER QQ-S-571(ES2175-3)
		18		
SEE NOTE 10	1	17	1006776-20	INSULATION, SLEEVING, 10 IN LG
	1	16	1010490-082	INSULATION, SLEEVING, ELEC
	10	15	1015864-109	INSULATION, SLEEVING, ELEC
SEE NOTE 10	2	14	1016151-004	NUT, SELF LOCKING
	2	13	MS35216-17	SCREW, PAN HEAD
SEE NOTE 10	5	12	1015928-001	TRANSISTOR
	16	11	1N914 (1896966-044)	SEMICONDUCTOR MIL-S-19500/116
	1	10	CS13AG1C0K(1896954-176)	CAPACITOR MIL-C-26655/2
	3	9	CM15C471J03 (1896969-034)	CAPACITOR MIL-C-5/1
	4	8	RC07GF204J(1896985-104)	RESISTOR MIL-R-11/8
	4	7	RC07GF623J(1896985-092)	RESISTOR MIL-R-11/8
	9	6	RC07GF103J(1896985-073)	RESISTOR MIL-R-11/8
	1	5	RC32GF101J(1896953-039)	RESISTOR MIL-R-11/6
SEE NOTE 10	1	4	1016347-008	JACK, MINIATURE, CKT BOARD
SEE NOTE 10	1	3	1015956-188	CONNECTOR, ADAPTER, ELEC
SEE NOTE 10	2	2	1015999-001	EJECTOR, CIRCUIT BOARD
	1	1	2900688	TERMINAL BOARD (USED ASSY)

EFFECTIVITY

LIST OF PARTS AND MATERIALS

2900029-011	2900029-011	011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R.W. Kuril DATE 22 JULY 65
CHECKED C. Pagda 23 JUL 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

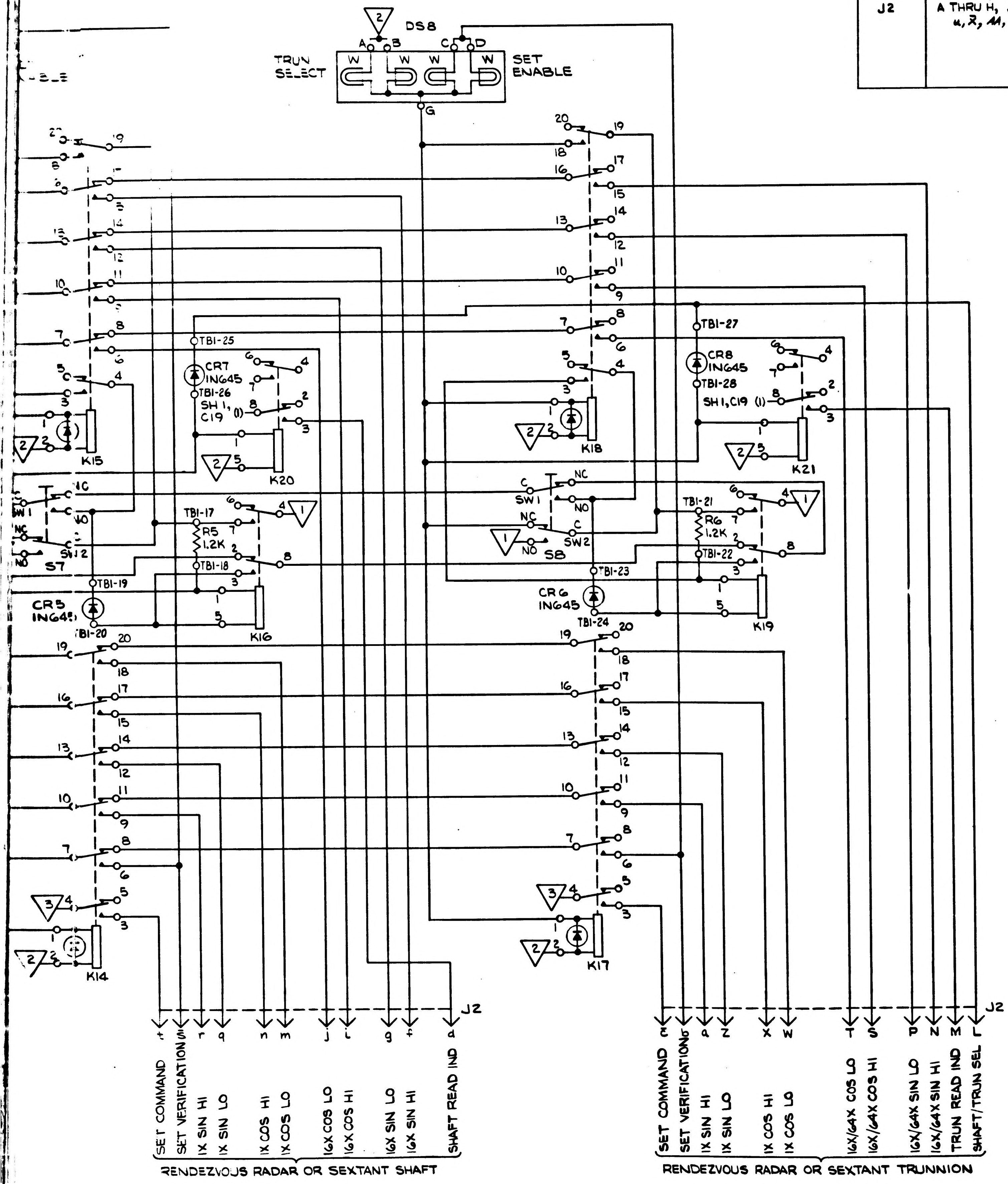
ELECTRONIC COMPONENT
ASSEMBLY,
SCALE FACTOR

CODE IDENT NO. 99974
SIZE E
2900687
SCALE 2:1
SHEET 1 OF 1

Charleston 23 JUL 65

REVISIONS 232'8					
ZONE	LTR	DESCRIPTION	CHG NO.	DATE	APPROVED
	A	① REVISED J1 & J2, ADDED TB1 TERM. & PART No. 1897364 TO B1, & DASH NO. 502 TO S3.	—	22 SEP 65	PBR
	B	REVISED PER MXC 2C5911		15 OCT 65	JHP
	C	INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR

UNUSED TERMINALS	
REF DES	TERMINAL NO.
J1	A, D THRU H, J THRU N, P, R THRU U, X, a, d, i, m, q, t.
J2	A THRU H, J, K, R, U, V, Y, e, h, k̄, p, u, z̄, AA, DD.


DS8
TRUN SELECT
SET ENABLE
A
B
C
D
W
G
K14
K15
K16
K17
K18
K19
K20
K21
CR5 IN645
CR6 IN645
CR7 IN645
CR8 IN645
TB1-17
TB1-18
TB1-19
TB1-20
TB1-21
TB1-22
TB1-23
TB1-24
TB1-25
TB1-26
TB1-27
TB1-28
R5 1.2K
R6 1.2K
SH 1, C19 (1)
SW1
SW2
S7
S8
NC
NO
C
J2
t
s
r
q
n
m
j
i
g
f
d
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
SHAFT READ IND
RENDEZVOUS RADAR OR SEXTANT SHAFT
c
b
a
Z
X
W
T
S
P
N
M
L
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X/64X COS LO
16X/64X COS HI
16X/64X SIN LO
16X/64X SIN HI
TRUN READ IND
SHAFT/TRUN SEL
RENDEZVOUS RADAR OR SEXTANT TRUNNION

SH, ZONE	REF DES	PART NUMBER	DESCRIPTION
1,F20	B1	1897364	RESOLVER
1,D20	CR1	IN645 (1896966-004)	DIODE, MIL-S-19500/240
1,D16	CR2		
1,D13	CR3		
1,D11	CR4		
1,D9	CR5		
1,D7	CR6		
1,F8	CR7		
1,F6	CR8	IN645 (1896966-004)	DIODE, MIL-S-19500/240
1,G21	DS1	(4) MS25237-327	LAMP
1,G18	DS2		
1,G17	DS3		
1,H16	DS4		
1,G14	DS5		
1,G12	DS6		
1,G10	DS7		
1,G7	DS8	(4) MS25237-327	LAMP
1,F22	F1	F02A250V3A (1897099-012)	FUSE
1,F22	F2	F02A250V½A (1897C99-007)	FUSE
	J1	MS3127E22-55P(1897053-550)	CONNECTOR, RECP
	J2	MS3127E22-55PX(1897053-552)	CONNECTOR, RECP
	J3	MS3127E12-10S(1897120-100)	CONNECTOR, RECP
1,B19	K1	1015837-001	RELAY
1,E19	K2	1015837-001	
1,D20	K3	1015832-318	
1,D21	K4	1015832-318	
1,B15	K5	1015837-001	
1,E15	K6	1015837-001	
1,D15	K7	1015832-318	
1,B13	K8	1015837-001	
1,E13	K9	1015837-001	
1,D13	K10	1015832-318	
1,B11	K11	1015837-001	
1,E11	K12	1015837-001	
1,D10	K13	1015832-318	
1,B9	K14	1015837-001	
1,E9	K15	1015837-001	
1,D8	K16	1015832-318	
1,B7	K17	1015837-001	
1,E7	K18	1015837-001	
1,D6	K19	1015832-318	
1,E8	K20	1015832-318	
1,E6	K21	1015832-318	
1,D18	K22	1015837-001	RELAY
	P1	MS3126F12-10P(1897038-100)	CONNECTOR, PLUG
1,D21	R1	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,E15	R2		
1,E13	R3		
1,E11	R4		
1,E8	R5		
1,E6	R6	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,F22	S1	1897337-751	LIGHT-IND SWITCH ASSY
1,E21	S2	-301	
1,D18	S3	-502	
1,E16	S4	-303	
1,E13	S5	-304	
1,E11	S6	-305	
1,E9	S7	-306	
1,E7	S8	1897337-307	LIGHT-IND SWITCH ASSY
	XDS1	SEE S1	
	XDS2	SEE S2	
	XDS3	SEE S3	
	XDS4	SEE S4	
	XDS5	SEE S5	
	XDS6	SEE S6	
	XDS7	SEE S7	
	XDS8	SEE S8	
	XF1	1015873-008	FUSEHOLDER
	XF2	1015873-008	FUSEHOLDER

NEXT ASSY	USED ON
2900708-011	2900708-011
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Lockman DATE 19 AUG 65
CHECKED C. Pieda 7 SEP 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

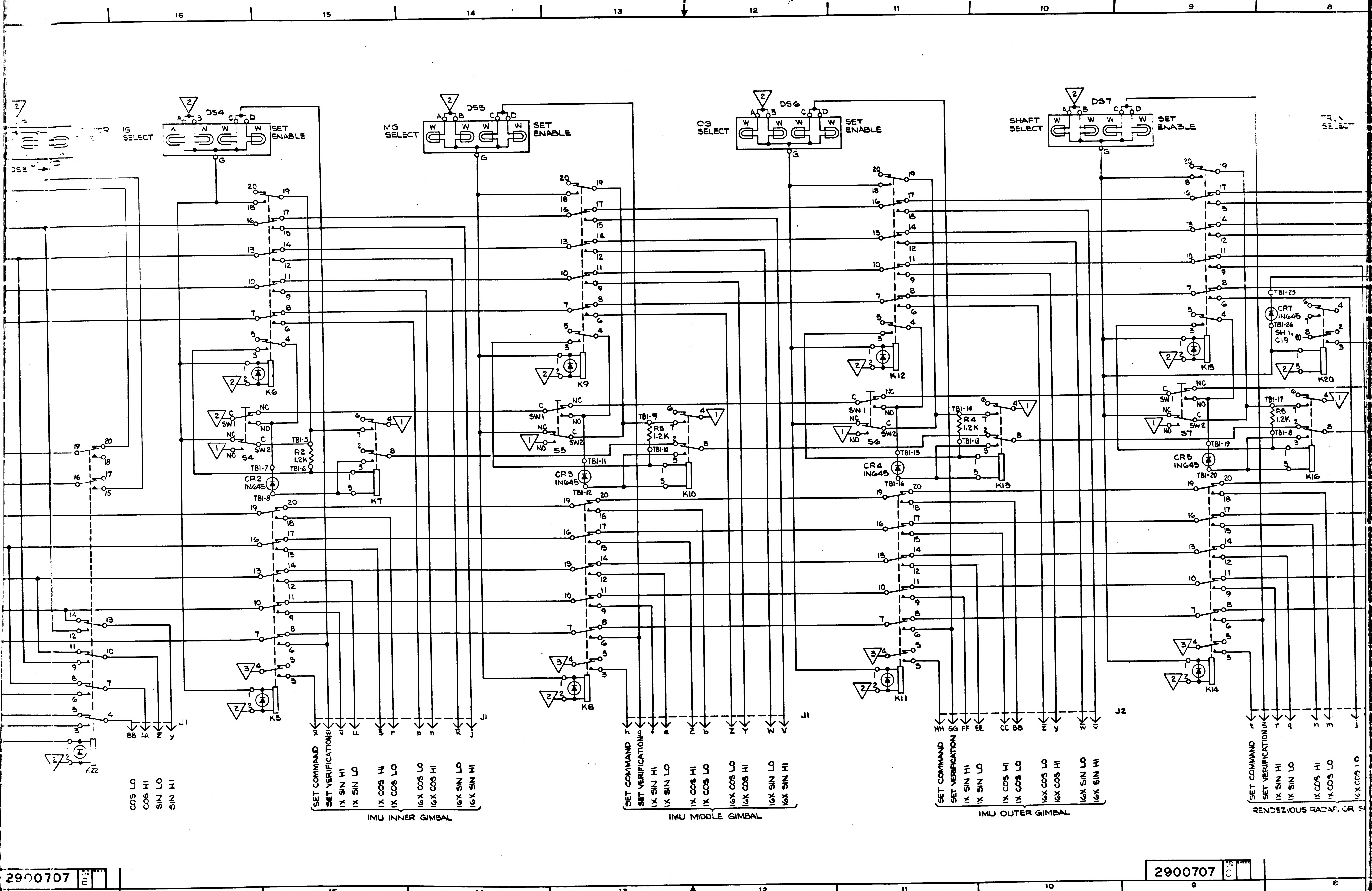
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM, ELECTRICAL - RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974
SIZE J3
2900707
SCALE —
SHEET 1 OF 1

2900707 REV LTR C SHEET

3/2900707


16
15
14
13
12
11
10
9
8
DS4
IG SELECT
SET ENABLE
DS5
MG SELECT
SET ENABLE
DS6
OG SELECT
SET ENABLE
DS7
SHAFT SELECT
SET ENABLE
K5
K6
K7
K8
K9
K10
K11
K12
K13
K14
K15
K16
K20
S4
S5
S6
S7
SW1
SW2
NC
NO
CR2 IN645
CR3 IN645
CR4 IN645
CR5 IN645
CR7 IN645
R2 1.2K
R3 1.2K
R4 1.2K
R5 1.2K
TB1-5
TB1-6
TB1-7
TB1-8
TB1-9
TB1-10
TB1-11
TB1-12
TB1-13
TB1-14
TB1-15
TB1-16
TB1-17
TB1-18
TB1-19
TB1-20
TB1-25
TB1-26
SH 1, C19
J1
J2
K22
COS LO
COS HI
SIN LO
SIN HI
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
IMU INNER GIMBAL
IMU MIDDLE GIMBAL
IMU OUTER GIMBAL
RENDEZVOUS RADAR OR S

2900707 REV B

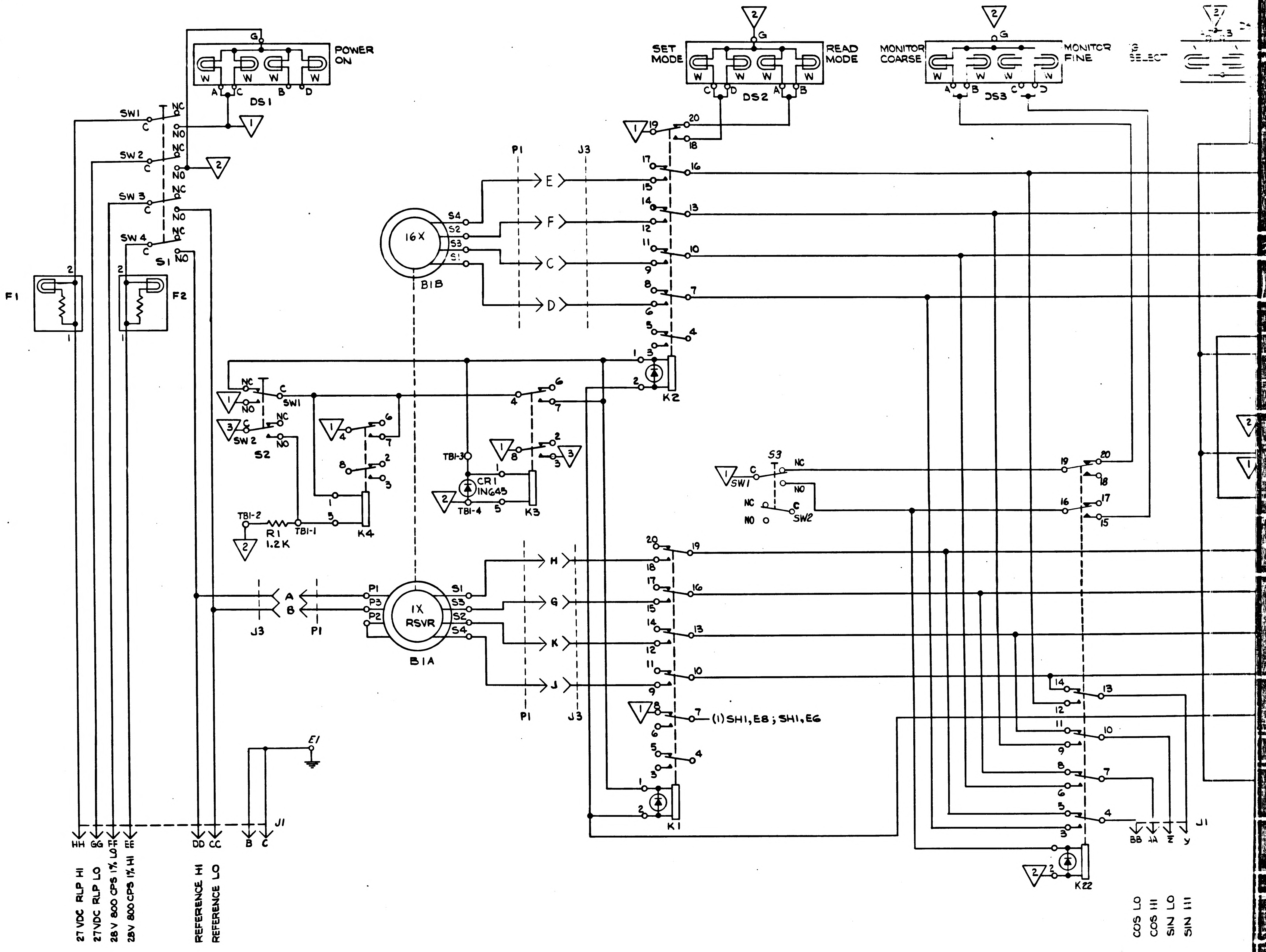
2900707 REV C

17 16 15 14 13 12 11 10 9 8

2/2900707

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL PART NUMBERS ARE FOR REFERENCE ONLY.
3. RELAYS ARE SHOWN IN THE UNENERGIZED OR "OFF" POSITION.
4. LAST NUMBER USED: ▽= 3 , ( )= 1
5. SPECIAL ABBREVIATIONS & CODES:
   SHEET & ZONE NUMBERS ARE ABBREVIATED SH_, _ .
6. DRAWINGS FOR REFERENCE:

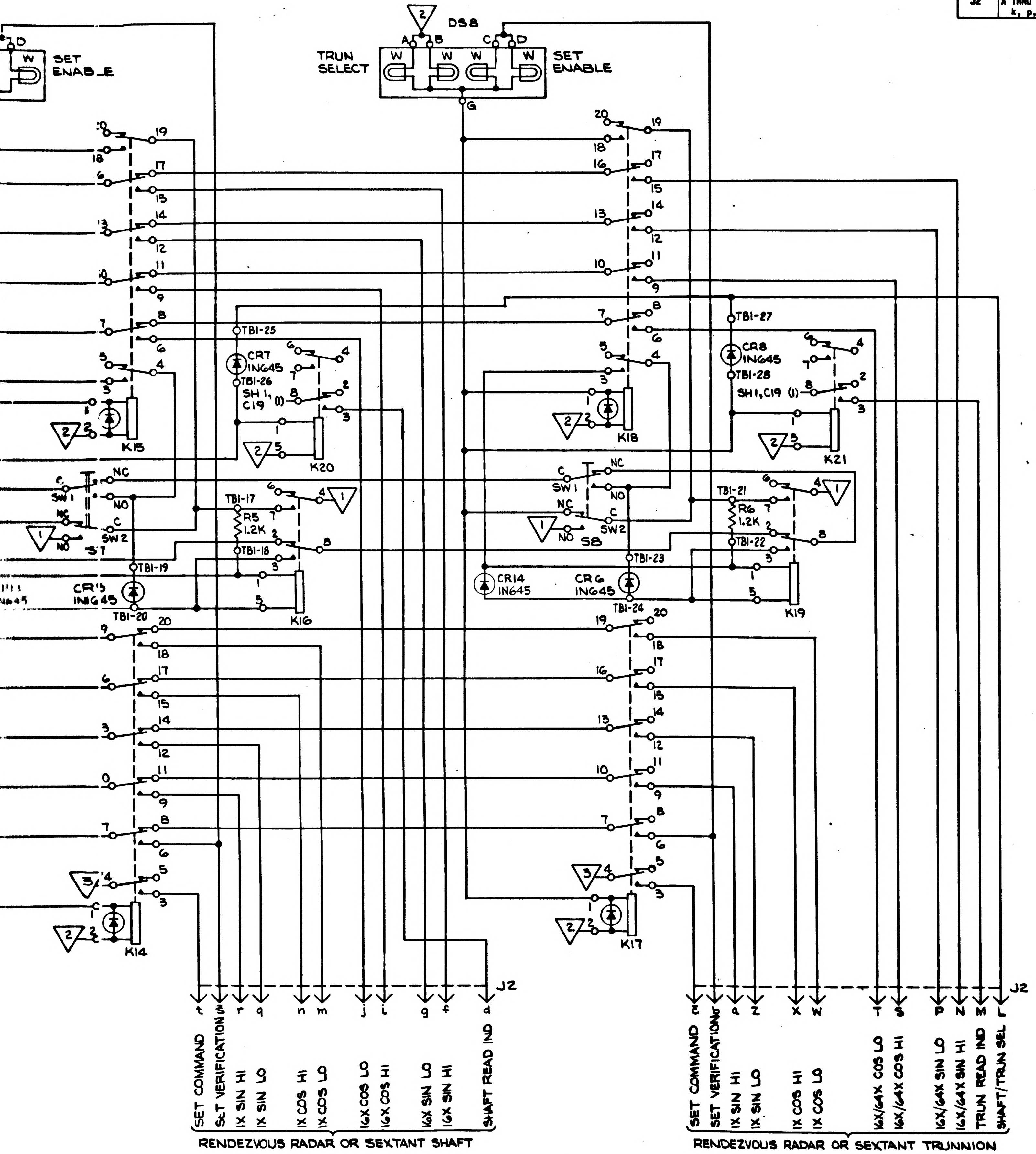
7. SIGNAL DESCRIPTIONS:
   ▽ 27 VDC RLP HI
   ▽2 27 VDC RLP LO
   ▽3 SET COMMAND



POWER ON
DS1
DS2
DS3
SET MODE
READ MODE
MONITOR COARSE
MONITOR FINE
SELECT
SW1
SW2
SW3
SW4
S1
S2
S3
NC
NO
C
F1
F2
16X
B1B
1X RSVR
B1A
S1
S2
S3
S4
P1
P2
P3
P1
J3
E
F
C
D
H
G
K
J
A
B
K1
K2
K3
K4
K22
CR1 IN645
TB1-1
TB1-2
TB1-3
TB1-4
R1 1.2K
E1
(1) SH1, E8 ; SH1, E6
J1
HH
GG
FF
EE
DD
CC
B
C
27 VDC RLP HI
27VDC RLP LO
28 V 800 CPS 1% LO
28V 800 CPS 1% HI
REFERENCE HI
REFERENCE LO
BB
AA
Z
Y
COS LO
COS HI
SIN LO
SIN HI

2900707 REV LTR B SHEET

172900707


DS8
TRUN SELECT
SET ENABLE
SET ENABLE
W
A B C D
G
K13
K14
K15
K16
K17
K18
K19
K20
K21
SW1
SW2
S7
S8
NC
NO
C
TBI-17
TBI-18
TBI-19
TBI-20
TBI-21
TBI-22
TBI-23
TBI-24
TBI-25
TBI-26
TBI-27
TBI-28
R5 1.2K
R6 1.2K
CR7 IN645
CR8 IN645
CR13 IN645
CR14 IN645
CR6 IN645
SH1, C19 (I)
J2
t SET COMMAND
s SET VERIFICATION
r 1X SIN HI
q 1X SIN LO
n 1X COS HI
m 1X COS LO
j 16X COS LO
i 16X COS HI
g 16X SIN LO
f 16X SIN HI
d SHAFT READ IND
RENDEZVOUS RADAR OR SEXTANT SHAFT
c SET COMMAND
b SET VERIFICATION
a 1X SIN HI
Z 1X SIN LO
X 1X COS HI
W 1X COS LO
T 16X/64X COS LO
S 16X/64X COS HI
P 16X/64X SIN LO
N 16X/64X SIN HI
M TRUN READ IND
L SHAFT/TRUN SEL
RENDEZVOUS RADAR OR SEXTANT TRUNNION

UNUSED TERMINALS	
REF DES	TERMINAL NO.
J1	A, D THRU H, J THRU N, P, R THRU U, X, a, d, i, m, q, t.
J2	A THRU H, J, K, R, U, V, Y, e, h, k, p, u, x, AA, DD.

SH, ZONE	REF DES	PART NUMBER	DESCRIPTION
1,F20	B1	1897364	RESOLVER
1,D20	CR1	1N645 (1896966-004)	DIODE, MIL-S-19500/240
1,D16	CR2		
1,D13	CR3		
1,D11	CR4		
1,D9	CR5		
1,D7	CR6		
1,F8	CR7		
1,F6	CR8		
1,B19	CR9		
1,D16	CR10		
1,D14	CR11		
1,D12	CR12		
1,D9	CR13		
1,D7	CR14	1N645 (1896966-004)	DIODE, MIL-S-19500/240
1,G21	DS1	(4) MS25237-327	LAMP
1,G18	DS2		
1,G17	DS3		
1,H16	DS4		
1,G14	DS5		
1,G12	DS6		
1,G10	DS7		
1,G7	DS8	(4) MS25237-327	LAMP
1,F22	F1	F02A250V3A (1897099-012)	FUSE
1,F22	F2	F02A250V1/2A (1897099-007)	FUSE
	J1	MS3127E22-55P (1897053-550)	CONNECTOR, RECP
	J2	MS3127E22-55PX(1897053-552)	CONNECTOR, RECP
	J3	MS3127E12-10S (1897120-100)	CONNECTOR, RECP
1,B19	K1	1015837-001	RELAY
1,E19	K2	1015837-001	
1,D20	K3	1015832-318	
1,D21	K4	1015832-318	
1,B15	K5	1015837-001	
1,E15	K6	1015837-001	
1,D15	K7	1015832-318	
1,B13	K8	1015837-001	
1,E13	K9	1015837-001	
1,D13	K10	1015832-318	
1,B11	K11	1015837-001	
1,E11	K12	1015837-001	
1,D10	K13	1015832-318	
1,B9	K14	1015837-001	
1,E9	K15	1015837-001	
1,D8	K16	1015832-318	
1,B7	K17	1015837-001	
1,E7	K18	1015837-001	
1,D6	K19	1015832-318	
1,E8	K20	1015832-318	
1,E6	K21	1015832-318	
1,D18	K22	1015837-001	RELAY
	P1	MS3126F12-10P (1897038-100)	CONNECTOR, PLUG
1,D21	R1	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,E15	R2		
1,E13	R3		
1,E11	R4		
1,E8	R5		
1,E6	R6	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,F22	S1	1897337-751	LIGHT-IND SWITCH ASSY
1,E21	S2	-301	
1,D18	S3	-502	
1,E16	S4	-303	
1,E13	S5	-304	
1,E11	S6	-305	
1,E9	S7	-306	
1,E7	S8	1897337-307	LIGHT-IND SWITCH ASSY
	XDS1	SEE S1	
	XDS2	SEE S2	
	XDS3	SEE S3	
	XDS4	SEE S4	
	XDS5	SEE S5	
	XDS6	SEE S6	
	XDS7	SEE S7	
	XDS8	SEE S8	
	XF1	1015873-008	FUSEHOLDER
	XF2	1015873-008	FUSEHOLDER

REVISIONS 23418

ZONE	LTR	DESCRIPTION	CHG NO.	DATE	APPROVED
	D	REPLACES REV C WITH CHANGE PER TDRR 24854		29 NOV 65	

2900708-011	2900708 011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

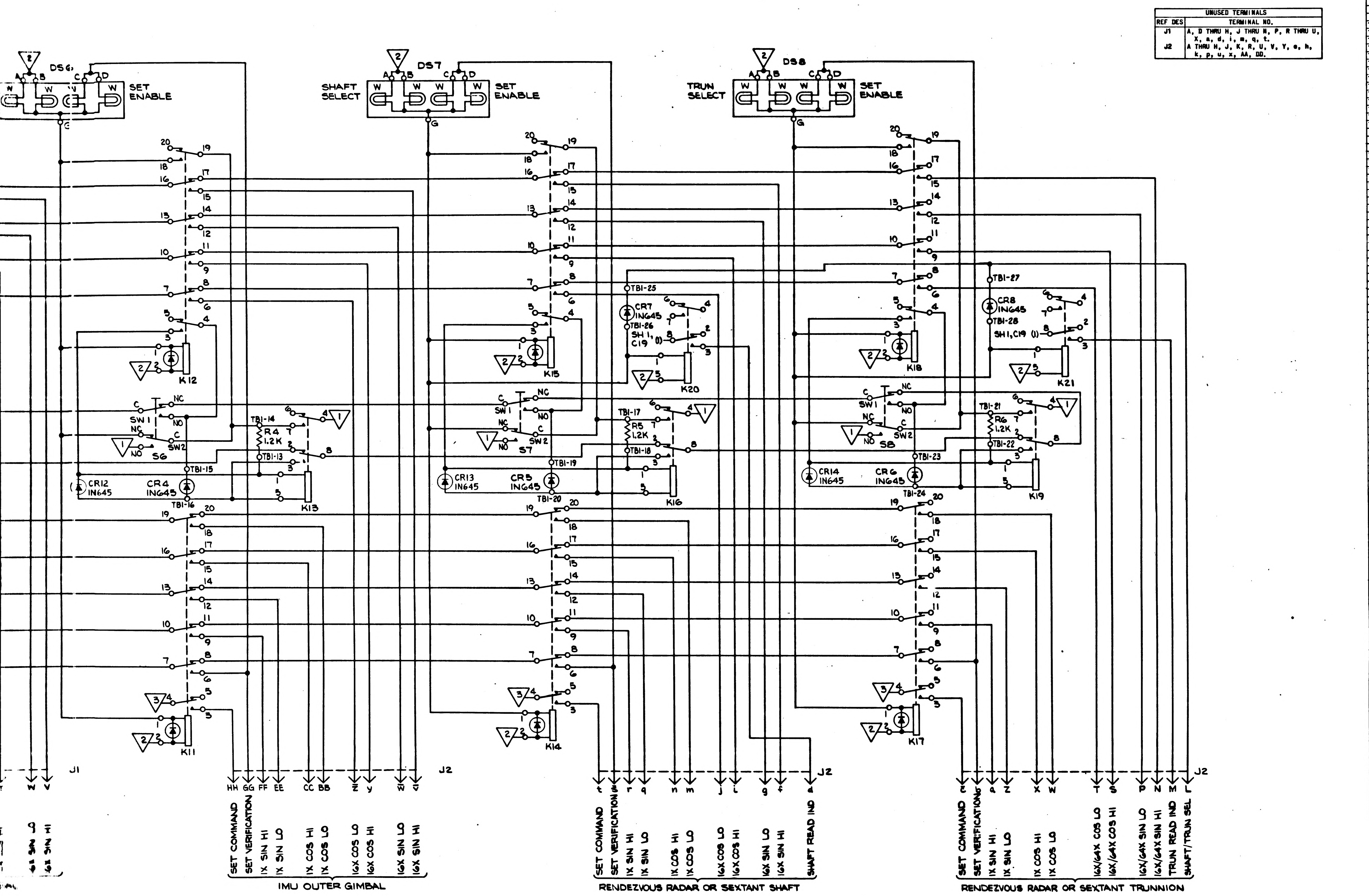
AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Lockwood DATE 7 AUG 65
CHECKED C. Piojda 7 Sep 65
APPROVAL J L MELTON 7 SEP 65
APPROVAL J. M. Watson 12-17-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL 22 Nov

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM,
ELECTRICAL -
RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974
SIZE J
2900707
SCALE —
SHEET 1 OF 1

2900707 D 1 OF 1

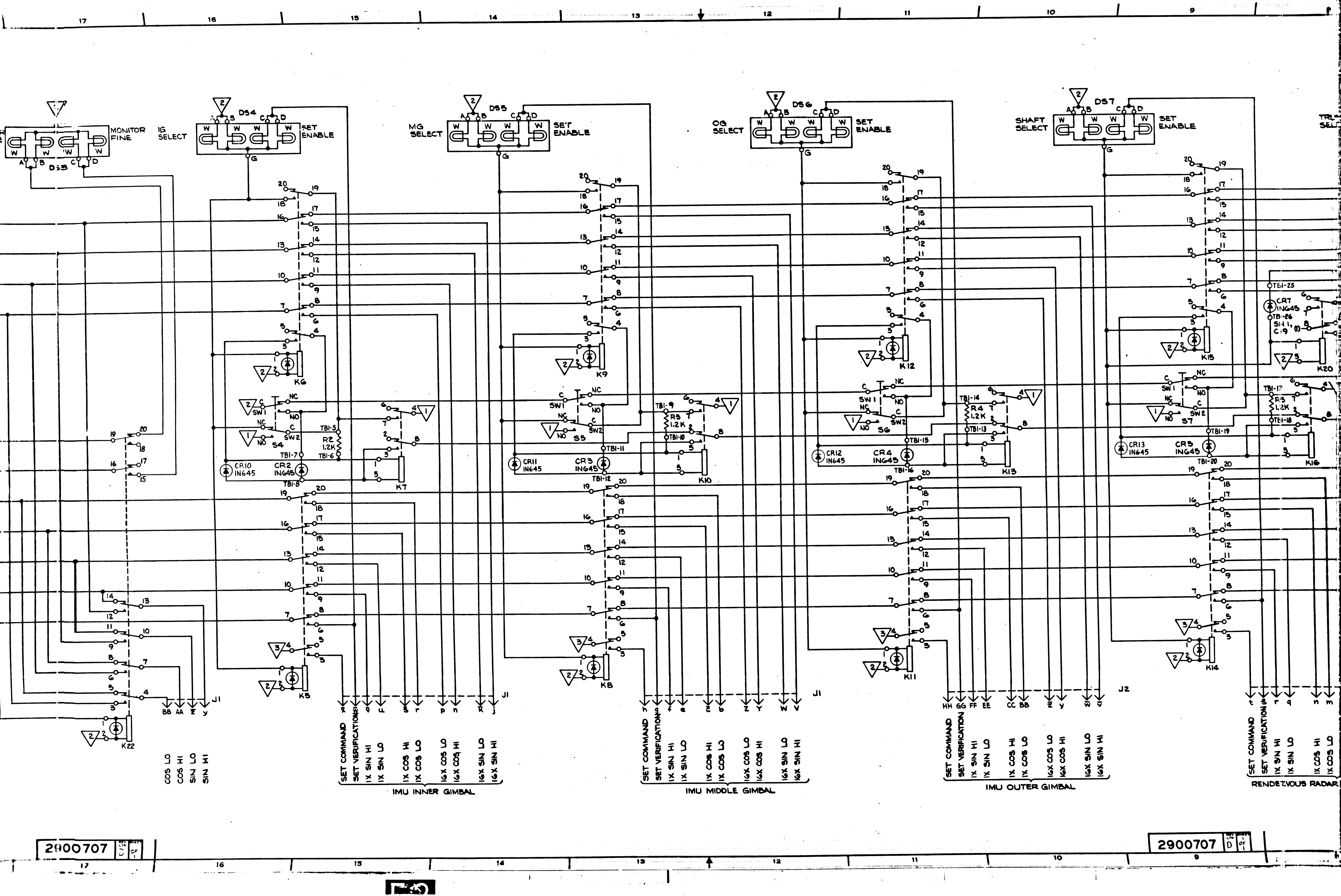

DS6
SET ENABLE
SHAFT SELECT
DS7
SET ENABLE
TRUN SELECT
DS8
SET ENABLE
K11
K12
K13
K14
K15
K16
K17
K18
K19
K20
K21
SW1
SW2
S6
S7
S8
TB1-13
TB1-14
TB1-15
TB1-16
TB1-17
TB1-18
TB1-19
TB1-20
TB1-21
TB1-22
TB1-23
TB1-24
TB1-25
TB1-26
TB1-27
TB1-28
R4 1.2K
R5 1.2K
R6 1.2K
CR4 1N645
CR5 1N645
CR6 1N645
CR7 1N645
CR8 1N645
CR12 1N645
CR13 1N645
CR14 1N645
SH 1, C19
J1
J2
HH
GG
FF
EE
CC
BB
z
y
w
v
t
s
r
q
n
m
j
i
g
f
a
c
b
a
Z
X
W
T
S
P
N
M
L
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
IMU OUTER GIMBAL
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
SHAFT READ IND
RENDEZVOUS RADAR OR SEXTANT SHAFT
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X/64X COS LO
16X/64X COS HI
16X/64X SIN LO
16X/64X SIN HI
TRUN READ IND
SHAFT/TRUN SEL
RENDEZVOUS RADAR OR SEXTANT TRUNNION

UNUSED TERMINALS	
REF DES	TERMINAL NO.
J1	A, D THRU H, J THRU N, P, R THRU U, X, a, d, i, m, q, t.
J2	A THRU H, J, K, R, U, V, Y, e, h, k, p, u, x, AA, DD.

SH, ZONE	REF DES	PART NUMBER	DESCRIPTION
1,F20	B1	1897364	RESOLVER
1,D20	CR1	1N645 (1896966-004)	DIODE, MIL-S-19500/240
1,D16	CR2		
1,D13	CR3		
1,D11	CR4		
1,D9	CR5		
1,D7	CR6		
1,F8	CR7		
1,F6	CR8		
1,B18	CR9		
1,D16	CR10		
1,D14	CR11		
1,D12	CR12		
1,D9	CR13		
1,D7	CR14	1N645 (1896966-004)	DIODE, MIL-S-19500/240
1,G21	DS1	(4) MS25237-327	LAMP
1,G18	DS2		
1,G17	DS3		
1,H16	DS4		
1,G14	DS5		
1,G12	DS6		
1,G10	DS7		
1,G7	DS8	(4) MS25237-327	LAMP
1,F22	F1	F02A250V3A (1897099-012)	FUSE
1,F22	F2	F02A250V1/2A (1897099-007)	FUSE
	J1	MS3127E22-55P (1897053-550)	CONNECTOR, RECP
	J2	MS3127E22-55PX(1897053-552)	CONNECTOR, RECP
	J3	MS3127E12-10S (1897120-100)	CONNECTOR, RECP
1,B19	K1	1015837-001	RELAY
1,E19	K2	1015837-001	
1,D20	K3	1015832-318	
1,D21	K4	1015832-318	
1,B15	K5	1015837-001	
1,E15	K6	1015837-001	
1,D15	K7	1015832-318	
1,B13	K8	1015837-001	
1,E13	K9	1015837-001	
1,D13	K10	1015832-318	
1,B11	K11	1015837-001	
1,E11	K12	1015837-001	
1,D10	K13	1015832-318	
1,B9	K14	1015837-001	
1,E9	K15	1015837-001	
1,D8	K16	1015832-318	
1,B7	K17	1015837-001	
1,E7	K18	1015837-001	
1,D6	K19	1015832 318	
1,E8	K20	1015832-318	
1,E6	K21	1015832-318	
1,D18	K22	1015837-001	RELAY
	P1	MS3126F12-10P (1897038-100)	CONNECTOR, PLUG
1,D21	R1	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,E15	R2		
1,E13	R3		
1,E11	R4		
1,E8	R5		
1,E6	R6	RC32GF122J (1896953-065)	RESISTOR, MIL-R-11/6
1,F22	S1	1897337-751	LIGHT-IND SWITCH ASSY
1,E21	S2	-301	
1,D18	S3	-502	
1,E16	S4	-303	
1,E13	S5	-304	
1,E11	S6	-305	
1,E9	S7	-306	
1,E7	S8	1897337-307	LIGHT-IND SWITCH ASSY
	XDS1	SEE S1	
	XDS2	SEE S2	
	XDS3	SEE S3	
	XDS4	SEE S4	
	XDS5	SEE S5	
	XDS6	SEE S6	
	XDS7	SEE S7	
	XDS8	SEE S8	
	XF1	1015873-008	FUSEHOLDER
	XF2	1015873-008	FUSEHOLDER

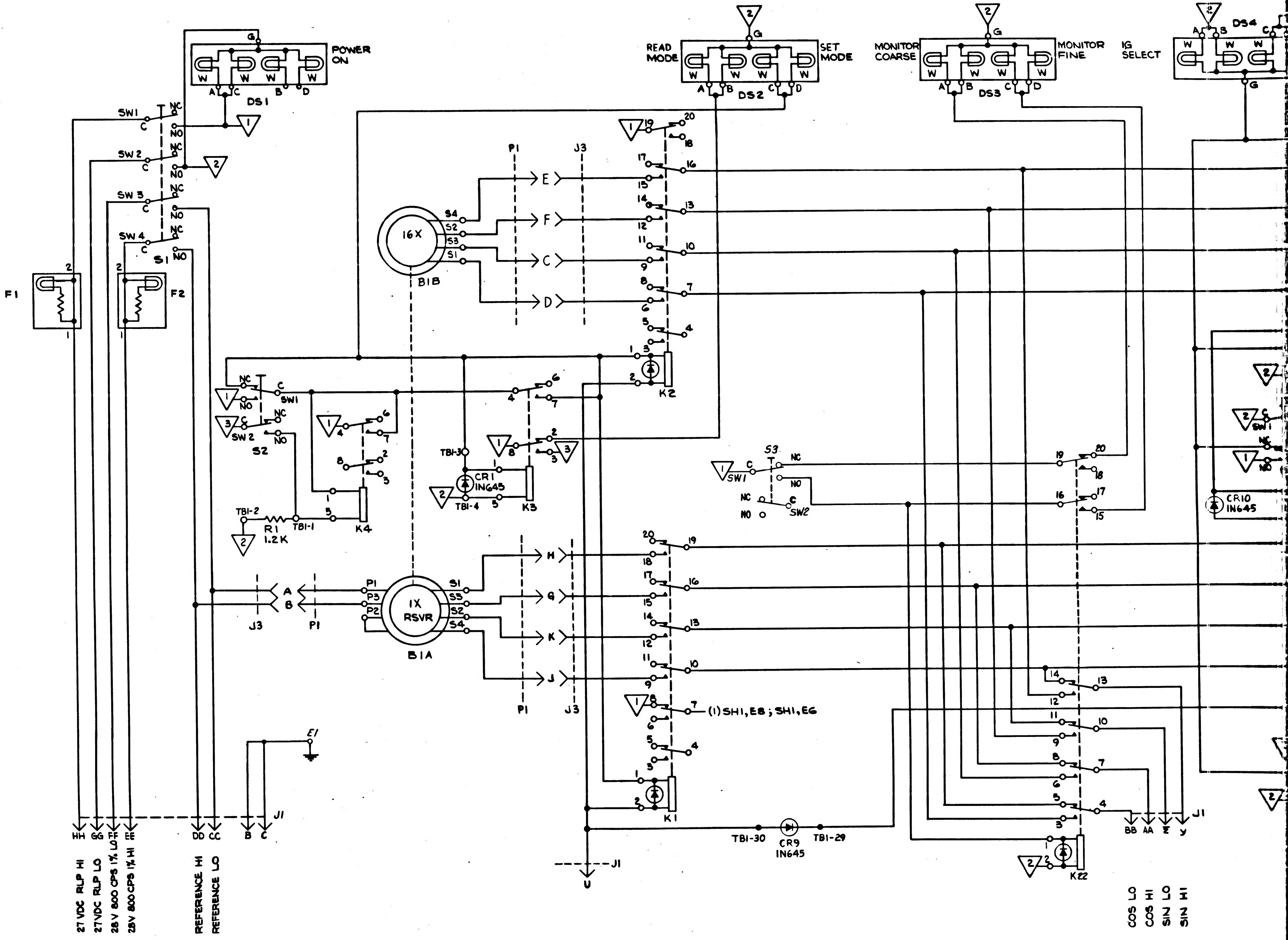
2900 28-011	2900708-01
NEXT ASSY	USED ON
APPLICATION	

2900707 REV LTR D SHEET 1 OF 1

17
16
15
14
13
12
11
10
9
DS3
MONITOR FINE
IG SELECT
DS4
SET ENABLE
MG SELECT
DS5
SET ENABLE
OG SELECT
DS6
SET ENABLE
SHAFT SELECT
DS7
SET ENABLE
K6
K7
K9
K10
K12
K13
K15
K16
K20
K5
K8
K11
K14
K22
S4
S5
S6
S7
SW1
SW2
NC
NO
C
R2 1.2K
R3 1.2K
R4 1.2K
R5 1.2K
CR10 IN645
CR2 IN645
CR11 IN645
CR3 IN645
CR12 IN645
CR4 IN645
CR13 IN645
CR5 IN645
CR7 IN645
TB1-5
TB1-6
TB1-7
TB1-8
TB1-9
TB1-10
TB1-11
TB1-12
TB1-13
TB1-14
TB1-15
TB1-16
TB1-17
TB1-18
TB1-19
TB1-20
TB1-25
TB1-26
J1
J2
COS LO
COS HI
SIN LO
SIN HI
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
IMU INNER GIMBAL
IMU MIDDLE GIMBAL
IMU OUTER GIMBAL
RENDEZVOUS RADAR
2900707
D

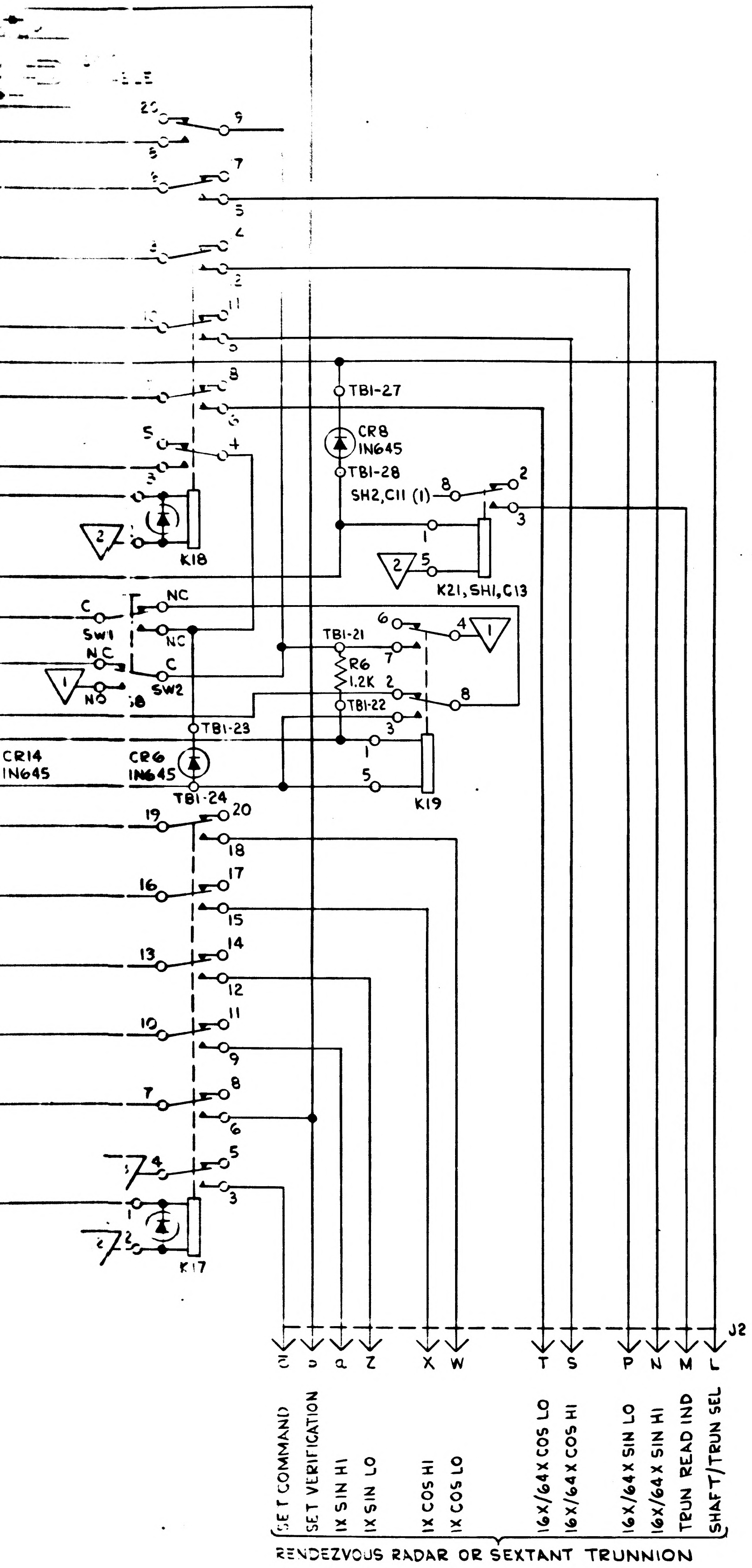
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL PART NUMBERS ARE FOR REFERENCE ONLY.
3. RELAYS ARE SHOWN IN THE UNENERGIZED OR "OFF" POSITION.
4. LAST NUMBER USED: ▽= 3 , ( )= 1
5. SPECIAL ABBREVIATIONS & CODES:
   SHEET & ZONE NUMBERS ARE ABBREVIATED SH_, _.
6. DRAWINGS FOR REFERENCE:

7. SIGNAL DESCRIPTIONS:
   ▽1 27 VDC RLP HI
   ▽2 27 VDC RLP LO
   ▽3 SET COMMAND



POWER ON
DS1
READ MODE
SET MODE
DS2
MONITOR COARSE
MONITOR FINE
DS3
IG SELECT
DS4
SW1
SW2
SW3
SW4
S1
NC
NO
C
F1
F2
16X
B1B
S4
S2
S3
S1
P1
J3
E
F
C
D
K2
K1
K3
K4
K22
S2
S3
TB1-3
TB1-4
TB1-2
TB1-1
CR1 IN645
R1 1.2K
1X RSVR
B1A
P1
P3
P2
A
B
H
G
K
J
(1) SH1, E8 ; SH1, E6
E1
J1
CR9 IN645
TB1-30
TB1-29
CR10 IN645
U
HH
GG
FF
EE
DD
CC
B
C
BB
AA
Z
Y
27 VDC RLP HI
27 VDC RLP LO
28 V 800 CPS 1% LO
28 V 800 CPS 1% HI
REFERENCE HI
REFERENCE LO
COS LO
COS HI
SIN LO
SIN HI
W
G

2900707 D 1 OF 1


TB1-27
CR8
IN645
TB1-28
SH2,C11 (1)
K18
K21, SH1, C13
C
NC
SW1
NC
C
SW2
NO
TB1-21
R6
1.2K
TB1-22
TB1-23
CR14
IN645
CR6
IN645
TB1-24
K19
K17
J2
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X/64X COS LO
16X/64X COS HI
16X/64X SIN LO
16X/64X SIN HI
TRUN READ IND
SHAFT/TRUN SEL
RENDEZVOUS RADAR OR SEXTANT TRUNNION

SH, ZONE	REF DES	PART NUMBER	DESCRIPTION
2, E14	S1	1897337-751	LIGHT-IND SWITCH ASSY
2, E14	S2	-301	
2, D9	S3	-502	
2, E9	S4	-303	
2, E6	S5	-304	
2, E4	S6	-305	
1, E11	S7	-306	
1, E9	S8	-307	
1, C13	S9	-503	
1, E14	S10	1897337-504	LIGHT-IND SWITCH ASSY
	XDS1	SEE S1	
	XDS2	SEE S2	
	XDS3	SEE S3	
	XDS4	SEE S4	
	XDS5	SEE S5	
	XDS6	SEE S6	
	XDS7	SEE S7	
	XDS8	SEE S8	
	XDS9	SEE S9	
	XDS10	SEE S10	
	XF1	1015873-008	FUSEHOLDER
	XF2	1015873-008	FUSEHOLDER

SH, ZONE	REF DES	PART NUMBER	DESCRIPTION
2, D13	B1	1897364	RESOLVER
2, D13	CR1	IN645	DIODE, MIL-S-19500/240
2, D8	CR2		
2, D6	CR3		
2, D4	CR4		
1, D11	CR5		
1, D9	CR6		
1, F11	CR7		
1, F8	CR8		
2, B11	CR9		
2, D9	CR10		
2, D7	CR11		
2, D5	CR12		
1, D12	CR13		
1, D9	CR14	IN645	DIODE, MIL-S-19500/240
2, G14	DS1	MS25237-327, 4 REQD	LAMP, INCANDESCENT
2, G11	DS2		
2, G10	DS3		
2, G9	DS4		
2, G7	DS5		
2, G5	DS6		
1, G12	DS7		
1, G9	DS8		
1, B12	DS9		
1, B14	DS10	MS25237-327, 4 REQD	LAMP, INCANDESCENT
2, D15	F1	F02A250V3A	FUSE, CARTRIDGE
2, D14	F2	F02A250V1/2A	FUSE, CARTRIDGE
	J1	MS3127E22-55P	CONNECTOR, RECP
	J2	MS3127E22-55PX	CONNECTOR, RECP
	J3	MS3127E12-10S	CONNECTOR, RECP
	J4	1016323-001	BINDING POST
	J5	1016323-002	BINDING POST
2, B11	K1	1015837-001	RELAY
2, E12	K2	1015837-001	
2, D12	K3	1015832-318	
2, D13	K4	1015832-318	
2, B8	K5	1015837-001	
2, E8	K6	1015837-001	
2, D8	K7	1015832-318	
2, B6	K8	1015837-001	
2, E6	K9	1015837-001	
2, D5	K10	1015832-318	
2, B4	K11	1015837-001	
2, E4	K12	1015837-001	
2, D3	K13	1015832-318	
1, B11	K14	1015837-001	
1, E11	K15	1015837-001	
1, D10	K16	1015832-318	
1, B9	K17	1015837-001	
1, E9	K18	1015837-001	
1, D8	K19	1015832-318	
1, C13, E10	K20	1015832-318	
1, C13, E8	K21	1015832-318	
2, B10	K22	1015837-001	
1, C12	K23		
1, E12	K24		
1, C14	K25		
1, E14	K26	1015837-001	RELAY
	P1	MS3126F12-10P	CONNECTOR, PLUG
2, D14	R1	RC32GF122J	RESISTOR, MIL-R-11/6
2, E8	R2		
2, E6	R3		
2, E4	R4		
1, E11	R5		
1, E8	R6	RC32GF122J	RESISTOR, MIL-R-11/6

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
E		REPLACES REV D WITH CHANGE PER TDRR 25389	—	29 DEC 65	

2H

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN K W Kajiel DATE 30 Nov 65
CHECKED Goldsmith 7 DEC 65
APPROVAL R. Elbel 8 DEC 65
APPROVAL M. Watson -65
NASA APPROVAL A. C. METZGER
MIT APPROVAL

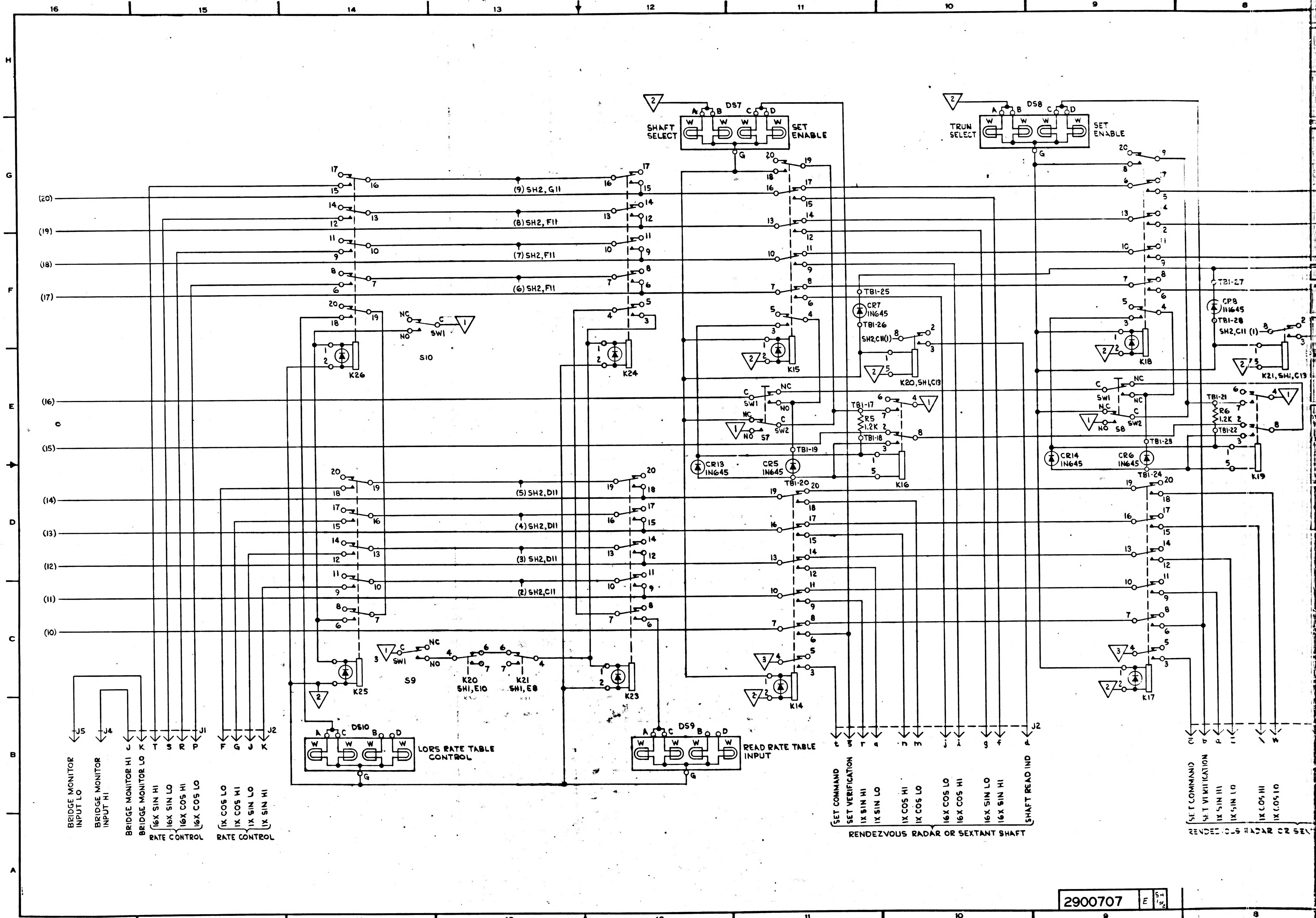
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM,
ELECTRICAL-
RESOLVER CIRCUIT TESTER

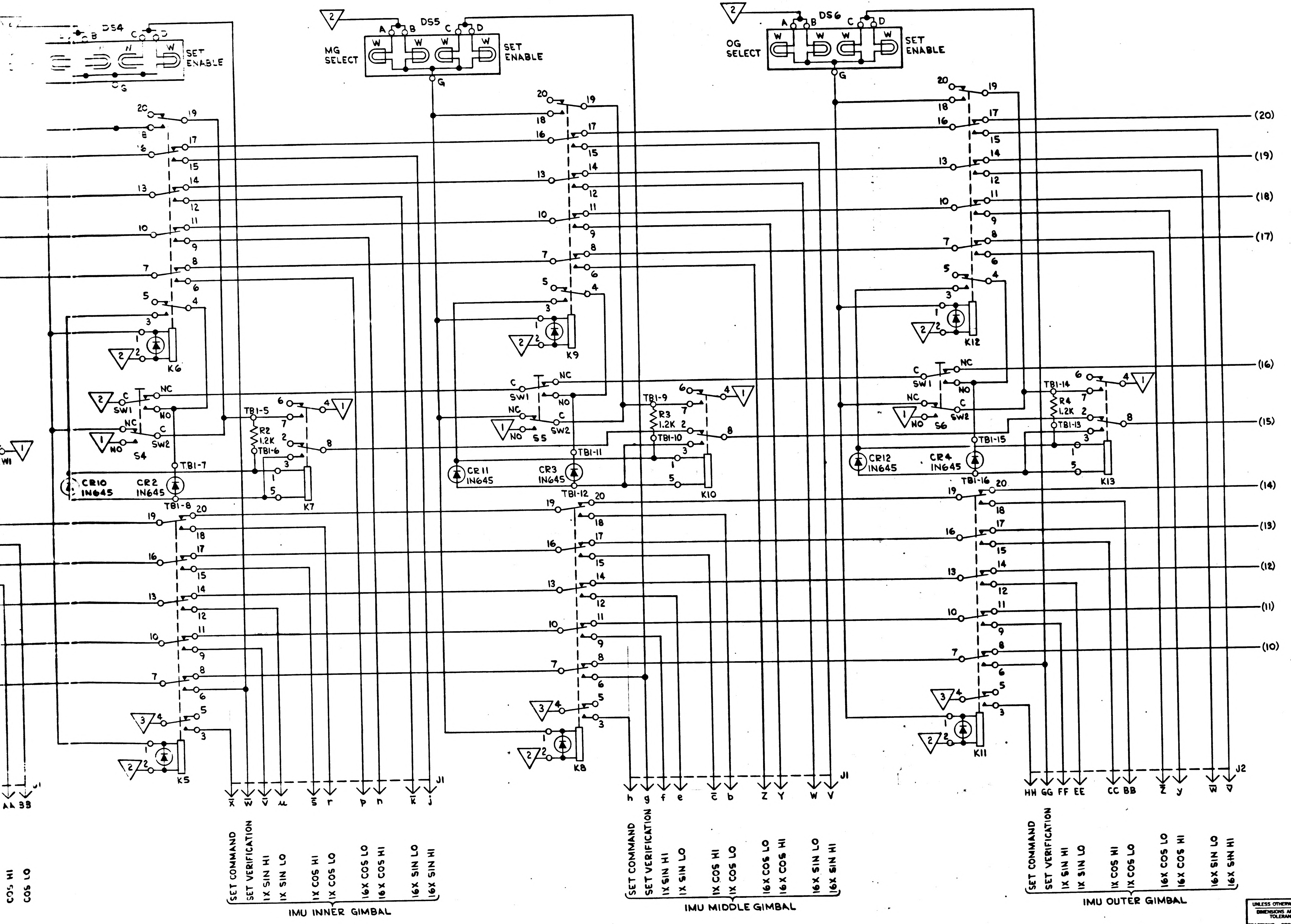
CODE IDENT NO. 99974
SIZE J
2900707
SCALE —
SHEET 1 OF 2

2900707 E

F-2


DS7
SHAFT SELECT
SET ENABLE
DS8
TRUN SELECT
SET ENABLE
(20)
(19)
(18)
(17)
(16)
(15)
(14)
(13)
(12)
(11)
(10)
(9) SH2, G11
(8) SH2, F11
(7) SH2, F11
(6) SH2, F11
(5) SH2, D11
(4) SH2, D11
(3) SH2, D11
(2) SH2, C11
K26
K24
K25
K23
K15
K14
K16
K17
K18
K19
K20, SH1, C13
K21, SH1, C13
SH2, C11 (1)
SW1
SW2
S10
S9
S7
S8
NC
NO
C
K20 SH1, E10
K21 SH1, E8
TB1-25
CR7 1N645
TB1-26
TB1-17
R5 1.2K
TB1-18
TB1-19
CR13 1N645
CR5 1N645
TB1-20
TB1-27
CR8 1N645
TB1-28
TB1-21
R6 1.2K
TB1-22
TB1-23
CR14 1N645
CR6 1N645
TB1-24
DS10
LORS RATE TABLE CONTROL
DS9
READ RATE TABLE INPUT
W
G
J5
J4
J1
J2
BRIDGE MONITOR INPUT LO
BRIDGE MONITOR INPUT HI
BRIDGE MONITOR HI
BRIDGE MONITOR LO
16X SIN HI
16X SIN LO
16X COS HI
16X COS LO
RATE CONTROL
1X COS LO
1X COS HI
1X SIN LO
1X SIN HI
RATE CONTROL
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
SHAFT READ IND
RENDEZVOUS RADAR OR SEXTANT SHAFT
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
RENDEZVOUS RADAR OR SEX
16
15
14
13
12
11
10
9
8
H
G
F
E
D
C
B
A

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
E		THIS SHEET ADDED PER TDRR 25399	—	29 DEC 65	



DS4
SET ENABLE
MG SELECT
DS5
SET ENABLE
OG SELECT
DS6
SET ENABLE
K6
K7
K5
K9
K10
K8
K12
K13
K11
SW1
SW2
S4
S5
S6
R2 1.2K
R3 1.2K
R4 1.2K
TB1-5
TB1-6
TB1-7
TB1-8
TB1-9
TB1-10
TB1-11
TB1-12
TB1-14
TB1-13
TB1-15
TB1-16
CR10 IN645
CR2 IN645
CR11 IN645
CR3 IN645
CR12 IN645
CR4 IN645
(20)
(19)
(18)
(17)
(16)
(15)
(14)
(13)
(12)
(11)
(10)
J1
J2
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
IMU INNER GIMBAL
IMU MIDDLE GIMBAL
IMU OUTER GIMBAL

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

NEXT ASSY | USED ON
APPLICATION

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R W Kiser 30 NOV 65
CHECKED Goldovich 7 DEC 65
APPROVAL R. Black 8 DEC 65
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

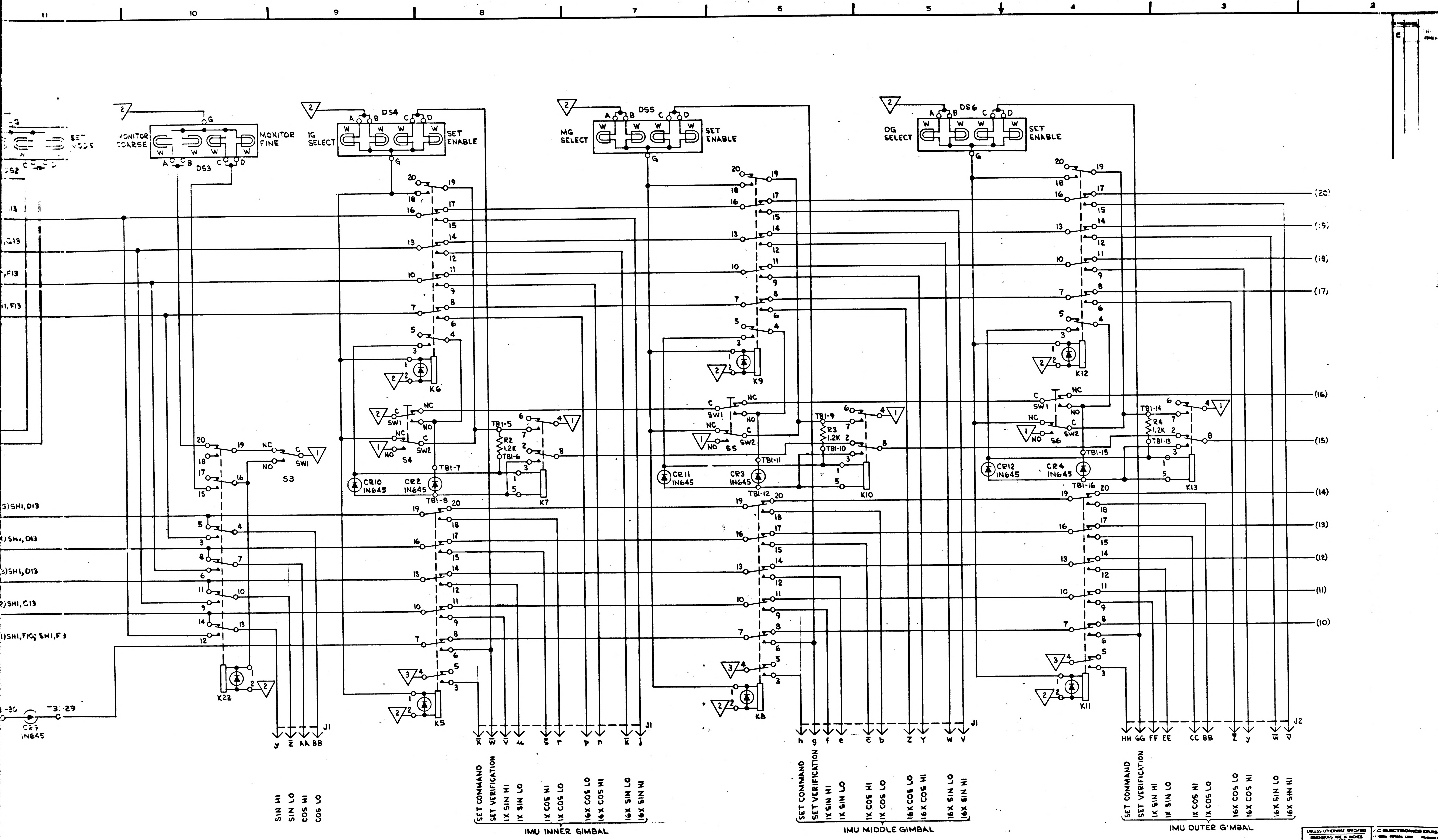
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM,
ELECTRICAL-
RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974 | SIZE J | 2900707
SCALE — | SHEET 2 OF 2

2900707

2900707 E SH


11
10
9
8
7
6
5
4
3
2
SET MODE
DS2
MONITOR COARSE
DS3
MONITOR FINE
A B C D G W
IG SELECT
DS4
SET ENABLE
MG SELECT
DS5
OG SELECT
DS6
K6
K5
K7
K9
K8
K10
K12
K11
K13
K22
SW1
SW2
S3
S4
S5
S6
NC
NO
C
TB1-5
TB1-6
TB1-7
TB1-8
TB1-9
TB1-10
TB1-11
TB1-12
TB1-13
TB1-14
TB1-15
TB1-16
R2 1.2K
R3 1.2K
R4 1.2K
CR10 1N645
CR2 1N645
CR11 1N645
CR3 1N645
CR12 1N645
CR4 1N645
CR9 1N645
3-30
TB3-29
(5)SH1,D13
(4)SH1,D13
(3)SH1,D13
(2)SH1,C13
(1)SH1,F10; SH1,F3
(20)
(19)
(18)
(17)
(16)
(15)
(14)
(13)
(12)
(11)
(10)
J1
J2
y Z AA BB
X W V U S R P N K J
h g f e c b Z Y W V
HH GG FF EE CC BB Z Y W V
SIN HI
SIN LO
COS HI
COS LO
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
1X COS HI
1X COS LO
16X COS LO
16X COS HI
16X SIN LO
16X SIN HI
IMU INNER GIMBAL
IMU MIDDLE GIMBAL
IMU OUTER GIMBAL

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

NEXT ASSY	USED ON
APPLICATION	

CONTRACT NAS9-497

C ELECTRONICS DIVIS

GENERAL MOTORS CORP

DRAWN R.W. Kamel 30 NO

DATE

CHECKED 7 DEC

ENGINEER 8 DEC

A. C. METZGER

APPROVAL

APPROVAL

2900707 E SH 2 OF 2

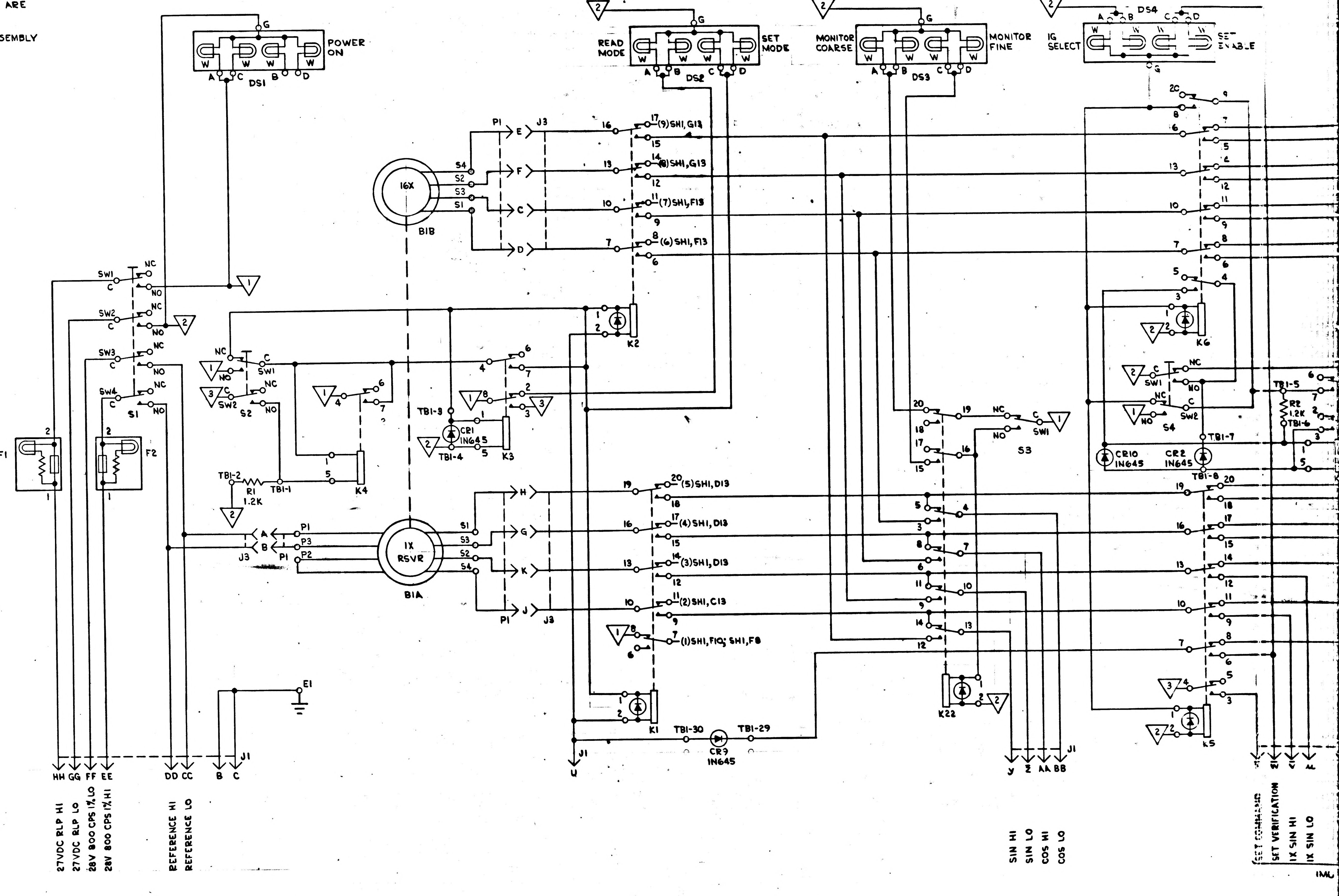
F-2

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL PART NUMBERS ARE FOR REFERENCE ONLY.
3. RELAYS ARE SHOWN IN THE UNENERGIZED OR "OFF" POSITION.
4. LAST NUMBER USED: ▽=3, ( )=20.
5. SPECIAL ABBREVIATIONS AND CODES: SHEET AND ZONE NUMBERS ARE ABBREVIATED SH—,—.
6. DRAWINGS FOR REFERENCE:
   2900770 CONTROL PANEL ASSEMBLY
7. SIGNAL DESCRIPTIONS:
   - ▽1 27 VDC RLP HI
   - ▽2 27 VDC RLP LO
   - ▽3 SET COMMAND

UNUSED TERMINALS

REF DES	TERMINAL NO.
K1	3,4,5
K2	3,4,5,18,19,20
K4	2,3,8
K23	3,4,5
K24	18,19,20
K25	3,4,5
K26	3,4,5
J1	A,D,E,F,G,H,L,M,N, X,a,d,i,m,q,t,
J2	A,B,C,D,E,H,R,U,V, Y,e,h,k̄,p,u,x̄,AA, DD,
S3	SW2-C,NC,N.O.
S9	SW2-C,NC,N.O.
S10	SW2-C,NC,N.O.



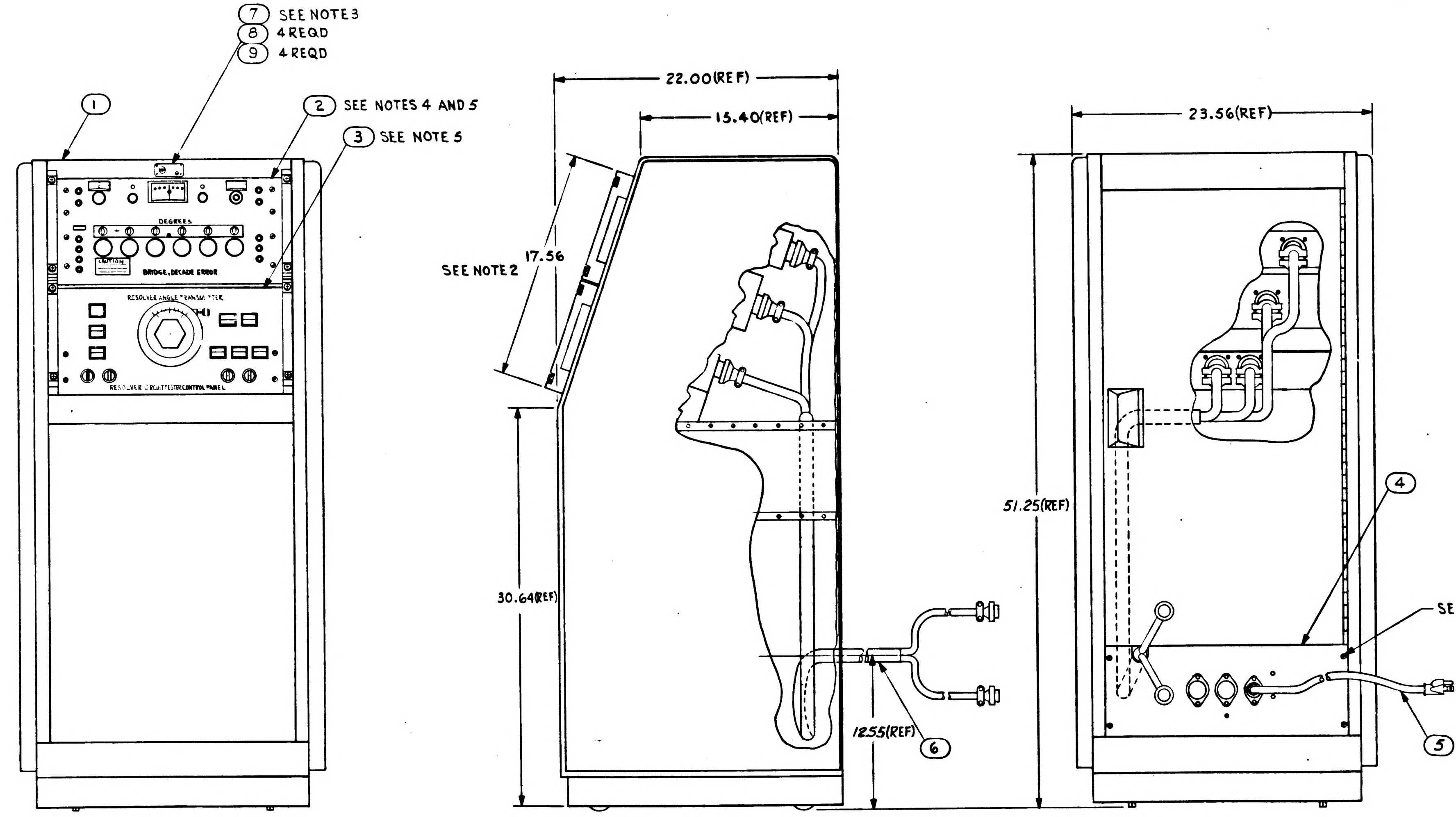
DS1
POWER ON
READ MODE
SET MODE
DS2
MONITOR COARSE
MONITOR FINE
DS3
IG SELECT
SET ENABLE
DS4
16X
B1B
1X RSVR
B1A
P1
J3
K1
K2
K3
K4
K5
K6
K22
CR1 1N645
CR2 1N645
CR9 1N645
CR10 1N645
R1 1.2K
R2 1.2K
TB1-1
TB1-2
TB1-3
TB1-4
TB1-5
TB1-6
TB1-7
TB1-8
TB1-29
TB1-30
F1
F2
S1
S3
S4
SW1
SW2
SW3
SW4
E1
J1
(9)SH1,G13
(8)SH1,G13
(7)SH1,F13
(6)SH1,F13
(5)SH1,D13
(4)SH1,D13
(3)SH1,D13
(2)SH1,C13
(1)SH1,F10; SH1,F8
HH
GG
FF
EE
DD
CC
B
C
U
Y
Z
AA
BB
27VDC RLP HI
27VDC RLP LO
28V 800 CPS 1% LO
28V 800 CPS 1% HI
REFERENCE HI
REFERENCE LO
SIN HI
SIN LO
COS HI
COS LO
SET COMMAND
SET VERIFICATION
1X SIN HI
1X SIN LO
IMU

2900707 E SH 2

REVISIONS					23418
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
E		REPLACES REV (D) WITH CHANGE PER MXC 206051 WAS "C" SIZE		16 OCT 65	
F		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SPACING BETWEEN ITEMS 2 AND 3 TO BE VERTICALLY POSITIONED THROUGH THIS DIMENSION. MINIMUM SPACE OF .02 MUST BE MAINTAINED.
3. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM 7 IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
4. POWER CORD ON REAR OF ITEM 2 TO MATE WITH J4 ON INSIDE OF ITEM 4.
5. HORIZONTALLY CENTER ITEMS 2 AND 3 IN OPENING OF ITEM 1.
6. APPLY 26.7 TO 29.7 INCH LBS TORQUE, EACH SCREW. (VENDOR PART NUMBER HW105)



7 SEE NOTE 3
8 4 REQD
9 4 REQD
1
2 SEE NOTES 4 AND 5
3 SEE NOTE 5
DEGREES
CAUTION
BRIDGE, DECADE ERROR
RESOLVER ANGLE TRANSMITTER
RESOLVER CIRCUIT TESTER CONTROL PANEL
22.00(REF)
15.40(REF)
17.56
SEE NOTE 2
30.64(REF)
12.55(REF)
6
23.56(REF)
51.25(REF)
4
SEE NOTE 6
5

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
4		9	1016151-002	NUT-HEX, SELF LOCKING
4		8	MS35233-4	SCREW, PAN HEAD SLOTTED
1		7	1004260-151	NAMEPLATE
1		6	2900834	CABLE ASSY, W172
1		5	2900807-011	POWER CABLE ASSY
1		4	2900806-011	REAR PANEL ASSY
1		3	2900770-011	CONTROL PANEL ASSY, RSVR. CKT. TEST.
1		2	2900128-011	BRIDGE, DECADE ERROR
1		1	2900837-011	CABINET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900708-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.01 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 1 OCT 65
CHECKED [illegible] 6 OCT 65
APPROVAL [illegible] 12 OCT 65
APPROVAL [illegible] 20 OCT 65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

TESTER, RESOLVER CIRCUIT

CODE IDENT NO. 99974 SIZE E 2900708
SCALE 1:4 SHEET 1 OF 1

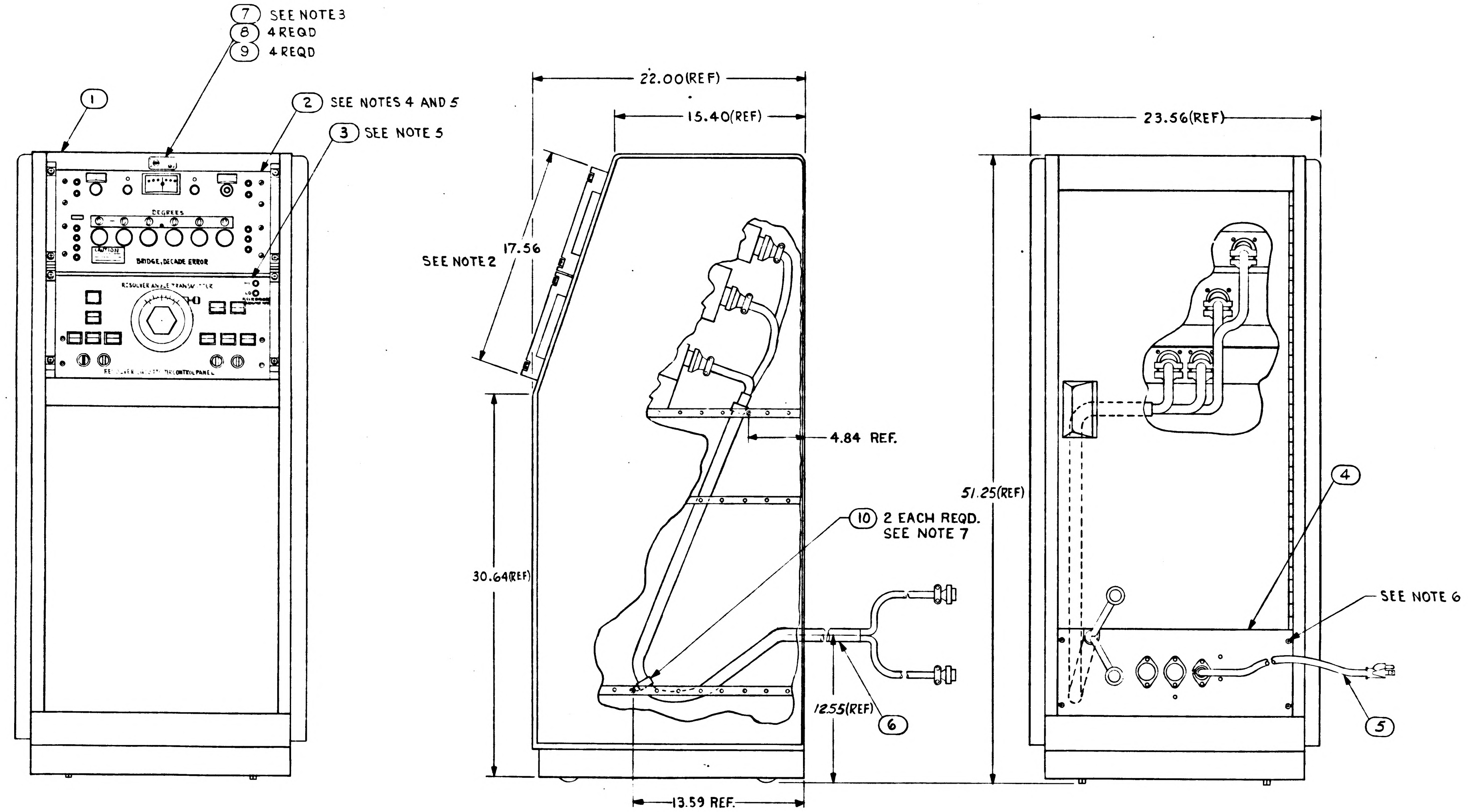
H. Erickson 11 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SPACING BETWEEN ITEMS 2 AND 3 TO BE VERTICALLY POSITIONED THROUGH THIS DIMENSION. MINIMUM SPACE OF .02 MUST BE MAINTAINED.
3. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM 7 IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
4. POWER CORD ON REAR OF ITEM 2 TO MATE WITH J4 ON INSIDE OF ITEM 4.
5. HORIZONTALLY CENTER ITEMS 2 AND 3 IN OPENING OF ITEM 1.
6. APPLY 26.7 TO 29.7 INCH LBS TORQUE, EACH SCREW. (VENDOR PART NUMBER HW105)
7. CLIP NUT, PART NUMBER 2900762, ITEM 17 (HW 201), QUANTITY 2. SCREW, PART NUMBER 2900762, ITEM 14 (HW 111), QUANTITY 2.

REVISIONS 23918

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
E		REPLACES REV(D) WITH CHANGE PER MXC 206051 WAS "C" SIZE		16 OCT 65	RUP AEM
F		INITIAL RELEASE CLASS A PER TDRR 23918		18 OCT 65	WRB BIR
	G	REVISED PER TDRR 25396		27 JAN 66	OKD EF



7 SEE NOTE 3
8 4 REQD
9 4 REQD
1
2 SEE NOTES 4 AND 5
3 SEE NOTE 5
DEGREES
BRIDGE, DECADE ERROR
22.00(REF)
15.40(REF)
SEE NOTE 2
17.56
4.84 REF.
10 2 EACH REQD. SEE NOTE 7
30.64(REF)
12.55(REF)
6
13.59 REF.
23.56(REF)
51.25(REF)
4
SEE NOTE 6
5

QTY 011	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	10	MS21919DG15	(1897073-115) CLAMP, CUSHIONED
4	9	1016151-002	NUT-HEX, SELF LOCKING
4	8	MS35233-4	SCREW, PAN HEAD SLOTTED
1	7	1004260-151	NAMEPLATE
1	6	2900834	CABLE ASSY, W172
1	5	2900807-011	POWER CABLE ASSY
1	4	2900806-011	REAR PANEL ASSY
1	3	2900770-011	CONTROL PANEL ASSY, RSVR. CKT. TEST.
1	2	2900128-011	BRIDGE, DECADE ERROR
1	1	2900837-011	CABINET

QUANTITY REQUIRED — EFFECTIVITY — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900708-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.01 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN TE Lemmard DATE 1 OCT 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

TESTER,
RESOLVER CIRCUIT

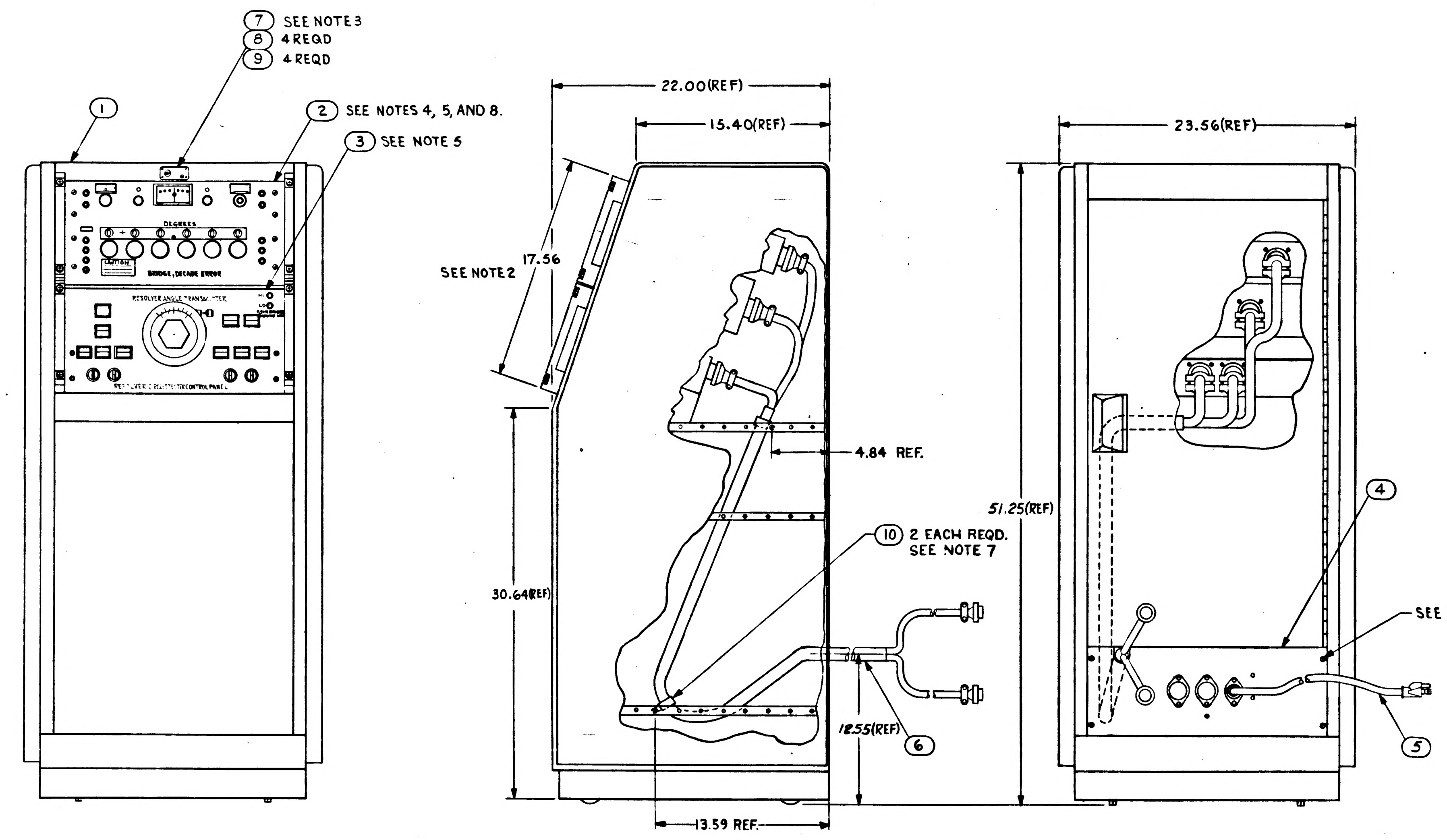
CODE IDENT NO 99974
SIZE E
2900708
SCALE 1:4
SHEET 1 OF 1

J. Erickson 1 OCT 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SPACING BETWEEN ITEMS 2 AND 3 TO BE VERTICALLY POSITIONED THROUGH THIS DIMENSION. MINIMUM SPACE OF .02 MUST BE MAINTAINED.
3. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM 7 IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
4. POWER CORD ON REAR OF ITEM 2 TO MATE WITH J4 ON INSIDE OF ITEM 4.
5. HORIZONTALLY CENTER ITEMS 2 AND 3 IN OPENING OF ITEM 1.
6. APPLY 26.7 TO 29.7 INCH LBS TORQUE, EACH SCREW. (VENDOR PART NUMBER HW105)
7. CLIP NUT, PART NUMBER 2900762, ITEM 17 (HW 201), QUANTITY 2. SCREW, PART NUMBER 2900762, ITEM 14 (HW 111), QUANTITY 2.
8. AT INITIAL ASSEMBLY OF ITEM 2 INTO ITEM 1 ADJUST CABINET CHASSIS GUIDES FOR SNUG SLIDING FIT.

REVISIONS 22418

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
E		REPLACES REV (D) WITH CHANGE PER MXC 206051 WAS "C" SIZE		16 OCT 65	RP
F		INITIAL RELEASE CLASS A PER TDRR 22418		18 OCT 65	
	G	REVISED PER TDRR 25396		2 ... 66	DRD
	H	REVISED PER TDRR 25388		1 FEB 66	DRD



7 SEE NOTE 3
8 4 REQD
9 4 REQD
1
2 SEE NOTES 4, 5, AND 8.
3 SEE NOTE 5
DEGREES
BRIDGE, DECADE ERROR
RESOLVER ANGLE TRANSMITTER
RESOLVER CIRCUIT TESTER CONTROL PANEL
22.00(REF)
15.40(REF)
17.56
SEE NOTE 2
4.84 REF.
10 2 EACH REQD. SEE NOTE 7
30.64(REF)
12.55(REF)
6
13.59 REF.
23.56(REF)
51.25(REF)
4
SEE NOTE 6
5

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2		10	MS21919DG15	(1897073-15) CLAMP, CUSHIONED
4		9	1016151-002	NUT-HEX, SELF LOCKING
4		8	MS35233-4	SCREW, PAN HEAD SLOTTED
1		7	1004260-151	NAMEPLATE
1		6	2900834	CABLE ASSY, W172
1		5	2900807-011	POWER CABLE ASSY
1		4	2900806-011	REAR PANEL ASSY
1		3	2900770-011	CONTROL PANEL ASSY, RSVR. CKT. TEST.
1		2	2900128-011	BRIDGE, DECADE ERROR
1		1	2900837-011	CABINET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900708-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.01. ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497
H. Erickson 11 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J.E. Leonard DATE 1 OCT 65
CHECKED 8 OCT 65
APPROVAL 12 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

TESTER,
RESOLVER CIRCUIT

CODE IDENT NO. 03974
SIZE E
2900708
SCALE
SHEET

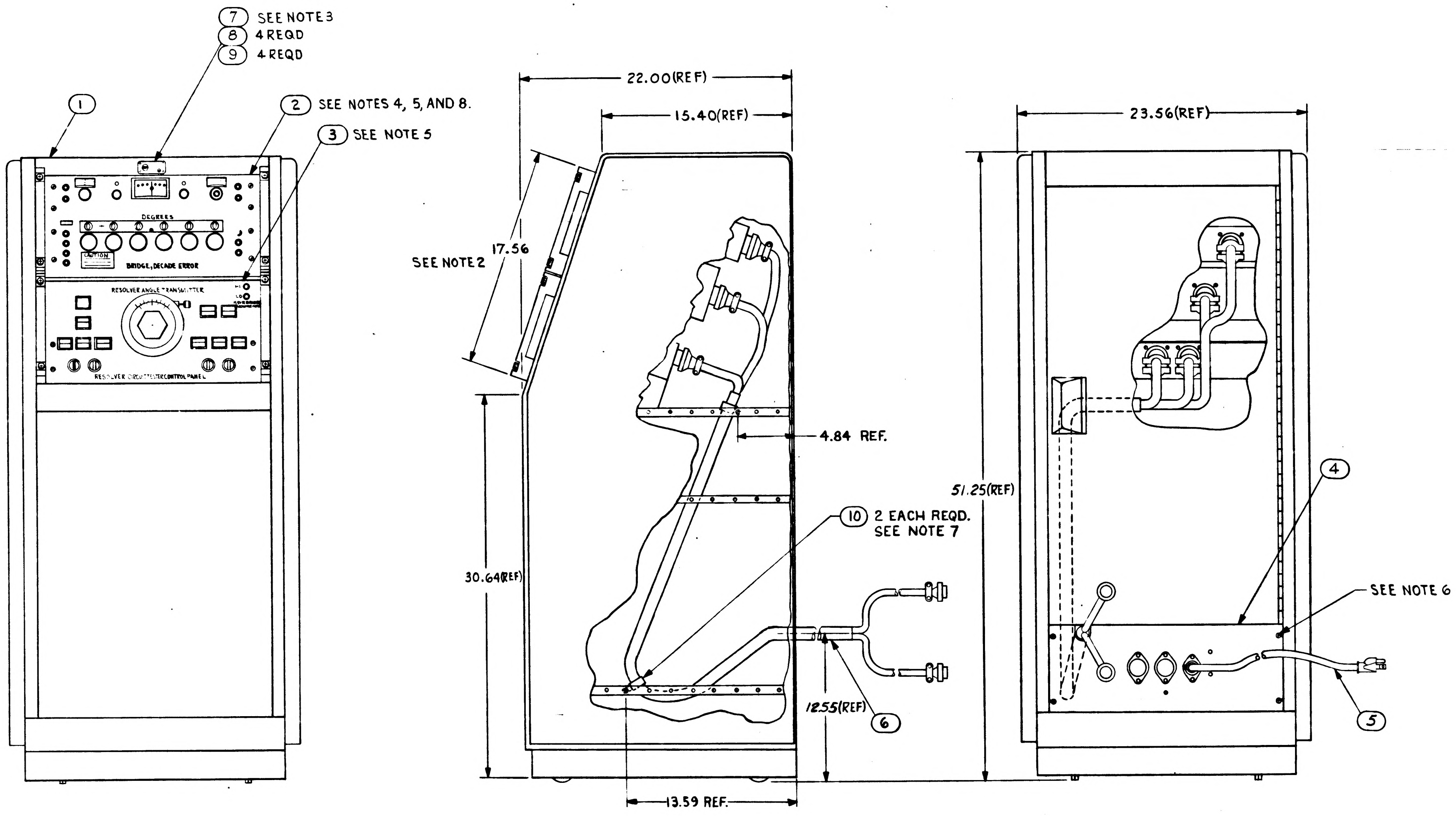
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
E		REPLACES REV (D) WITH CHANGE PER MXC 206051 WAS "C" SIZE		16 OCT 65	RP
F		INITIAL RELEASE CLASS A PER TDRR 22418		18 OCT 65	
	G	REVISED PER TDRR 25396		27 JAN 66	OKD
	H	REVISED PER TDRR 25388		1 FEB 66	OKD
	J	REVISED PER TDRR 26989		16 MAR 66	OKD

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SPACING BETWEEN ITEMS 2 AND 3 TO BE VERTICALLY POSITIONED THROUGH THIS DIMENSION. MINIMUM SPACE OF .02 MUST BE MAINTAINED.
3. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM 7 IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
4. POWER CORD ON REAR OF ITEM 2 TO MATE WITH J4 ON INSIDE OF ITEM 4.
5. HORIZONTALLY CENTER ITEMS 2 AND 3 IN OPENING OF ITEM 1.
6. APPLY 26.7 TO 29.7 INCH LBS TORQUE, EACH SCREW. (VENDOR PART NUMBER HW105)
7. CLIP NUT, PART NUMBER 2900762, ITEM 17 (HW 201), QUANTITY 2. SCREW, PART NUMBER 2900762, ITEM 14 (HW 111), QUANTITY 2.
8. AT INITIAL ASSEMBLY OF ITEM 2 INTO ITEM 1 ADJUST CABINET CHASSIS GUIDES FOR SNUG SLIDING FIT.
9. THE RESOLVER CIRCUIT TESTER SHALL MEET THE FOLLOWING PHASING AND FUNCTIONAL REQUIREMENTS: CONNECT THE POWER CORD TO A SOURCE OF 115.0 ± 10.0 V 60 ± 5 CPS APPLY 28.0 ± 2.0 V 800 ± 20 CPS TO P5-A*(HI) AND P5-B*(LO) AND 27.0 ± 2.8 VDC TO P5-Y(HI) AND P5-Z(LO). WITH P5-V CONNECTED TO P5-Z, SET CONTROLS TO OBTAIN SET MODE, IG SELECT/SET ENABLE AND MONITOR COARSE. WITH THE DIALS OF THE DECADE ERROR BRIDGE SET TO ZERO DEGREES, THE METER OF THE DECADE ERROR BRIDGE SHALL PASS THRU NULL (CENTER ZERO) FROM LEFT TO RIGHT AS THE RESOLVER ANGLE –

9. CON'T. TRANSMITTER DIAL IS ROTATED THRU ZERO IN AN INCREASING DIRECTION. REPEAT FOR FINE SYSTEM. ADJUST THE RESOLVER ANGLE TRANSMITTER DIAL TO THE FOLLOWING SETTINGS. THE INDICATED READINGS SHALL BE OBTAINED ON THE DECADE ERROR BRIDGE DIALS AFTER NULLING.

RESOLVER ANGLE TRANSMITTER POSITION DEGREES ± 0.2	DECADE ERROR BRIDGE READING DEGREES ± 5	
	COARSE	FINE
340	340	40
350	350	200
0	0	0
10	10	160
20	20	320



QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			2		10	MS21919DG15	(897073-15) CLAMP, CUSHIONED
			4		9	1016151-002	NUT-HEX, SELF LOCKING
			4		8	MS35233-4	SCREW, PAN HEAD SLOTTED
			1		7	1004260-151	NAMEPLATE
			1		6	2900834	CABLE ASSY, W172
			1		5	2900807-011	POWER CABLE ASSY
			1		4	2900806-011	REAR PANEL ASSY
			1		3	2900770-011	CONTROL PANEL ASSY, RSVR. CKT. TEST.
			1		2	2900128-011	BRIDGE, DECADE ERROR
			1		1	2900837-011	CABINET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900708-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .01 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. E. Lemard DATE 1 OCT 65
CHECKED 5 OCT 65
APPROVAL 12 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

TESTER,
RESOLVER CIRCUIT

CODE IDENT NO 99974
SIZE E
2900708
SCALE
SHEET

Erickson 11 OCT 65

2900712 B

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 207573		13 DEC 65	RLP
B		INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	G O R

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. NO CONFIGURATION REQUIRED.

CABLE USAGE TABLE (FOR REF)

DESIG. NO.	ISS	OSS	GEN
W145			X
W147		X	
W148	X	X	
W149	X	X	
W150	X	X	X
W151		X	
W152		X	
W153		X	
W154	X	X	
W155			X
W156	X		
W158	X		
W159	X		X
W160			X
W162			X
W163			X
W164			X
W165			X
W166			X
Wi67	X	X	X

LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1			2900672	CABLE ASSY, ELECT (W167)
1			2900671	(W166)
1			2900670	(W165)
1			2900669	(W164)
1			2900668	(W;63)
1			2900667	(W162)
1			2900665	(W160)
1			2900675	(W159)
1			2900664	(W158)
1			2900663	(W156)
1			2900662	(W155)
1			2900661	(W154)
1			2900660	(W153)
1			2900659	(W152)
1			2900600	(W151)
1			2900529	(W150)
1			2900658	(W149)
1			2900652	(W148)
1			2900603	(W147)
1			2900589	CABLE ASSY, ELECT (W145)

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN DATE 20AUG65
CHECKED Ed Foster 26Aug 65
APPROVAL 26AUG65
APPROVAL
NASA APPROVAL a. metzger/R55
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL BLOCK II)

CODE IDENT NO. 99974
SIZE D
2900712
SCALE —
SHEET 1 OF 1

2900712 C

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. NO CONFIGURATION REQUIRED.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 207573		13 DEC 65	RP / V. M.
Ⓜ B		INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	G.O.R.
C		REVISED PER TDRR 27561	—	6 APR 66	JJJ / EF

CABLE USAGE TABLE (FOR REF)

DESIG. NO.	ISS	OSS	GEN
W145			X
W147		X	
W148	X	X	
W149	X	X	
W150	X	X	X
W151		X	
W152		X	
W153		X	
W154	X	X	
W155			X
W156	X		
W158	X		
W159	X		X
W160			X
W162			X
W163			X
W164			X
W165			X
W166			X
W167	X	X	X

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		021	011				
		1				2901129	CABLE ASSY, ELECT (W154)
		1				2901128	(W149)
		1	1			2900672	(W167)
		1	1			2900671	(W166)
		1	1			2900670	(W165)
		1	1			2900669	(W164)
		1	1			2900668	(W163)
		1	1			2900667	(W162)
		1	1			2900665	(W160)
		1	1			2900675	(W159)
		1	1			2900664	(W158)
		1	1			2900663	(W156)
		1	1			2900662	(W155)
			1			2900661	(W154)
		1	1			2900660	(W153)
		1	1			2900659	(W152)
		1	1			2900600	(W151)
		1	1			2900529	(W150)
			1			2900658	(W149)
		1	1			2900652	(W148)
		1	1			2900603	(W147)
		1	1			2900589	CABLE ASSY, ELECT (W145)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
		- 021
1900030	1900030	- 011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.Y. Olson DATE 20 AUG 65
CHECKED Ed Foster 26 AUG 65
APPROVAL [illegible] 26 AUG 65
APPROVAL J. [illegible] 12-23-65
NASA APPROVAL a. mitzger/RSS (Phone approval)
MIT APPROVAL W. [illegible] 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL BLOCK II)

CODE IDENT NO. 99974
SIZE D
2900712
SCALE —
SHEET 1 OF 1

MIL 1077 A

2900712 D

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. NO CONFIGURATION REQUIRED.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207573		13 DEC 65	RP T.M.
B		INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	GOR
C		REVISED PER TDRR 27561	—	6 APR 66	JJJ EF
D		REVISED PER TDRR 28778		19 MAY 66	GM CP

CABLE USAGE TABLE (FOR REF)			
DESIG. NO.	ISS	OSS	G&N
W145			X
W147		X	
W148	X	X	
W149	X	X	
W150	X	X	X
W151		X	
W152		X	
W153		X	
W154	X	X	
W155			X
W156	X		
W158	X		
W159	X		X
W160			X
W162			X
W163			X
W164			X
W165			X
W166			X
W167	X	X	X

	1	-				2901212	CABLE ASSY ELECT (W148)
	1	-				2901485	(W149)
	1	-				2901469	(W154)
	1	-				2901462	(W162)
	1	-				2901211	(W167)
	-	1				2901129	(W154)
	-	1				2901128	(W149)
	-	1	1			2900672	(W167)
	1	1	1			2900671	(W166)
	1	1	1			2900670	(W165)
	1	1	1			2900669	(W164)
	1	1	1			2900668	(W163)
	-	1	1			2900667	(W162)
	1	1	1			2900665	(W160)
	1	1	1			2900675	(W159)
	1	1	1			2900664	(W158)
	1	1	1			2900663	(W156)
	1	1	1			2900662	(W155)
	-		1			2900661	(W154)
	1	1	1			2900660	(W153)
	1	1	1			2900659	(W152)
	1	1	1			2900600	(W151)
	1	1	1			2900529	(W150)
	-		1			2900658	(W149)
	-	1	1			2900652	(W148)
	1	1	1			2900603	(W147)
	1	1	1			2900589	CABLE ASSY, ELECT (W145)
	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

		-021
1900030	1900030	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN 20 AUG 65 DATE
CHECKED Ed Foster 26 Aug 65
APPROVAL 26 AUG 65
APPROVAL
NASA APPROVAL a. metzger
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL BLOCK II)

CODE IDENT NO. 99974
SIZE D
2900712
SCALE —
SHEET 1 OF 1

MIL 1077D-K

2900712 E

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. NO CONFIGURATION REQUIRED.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 207573		13 DEC 65	RP V.M.
B		INITIAL RELEASE CLASS A PER TDRR 24761		15 DEC 65	G.O.R.
C		REVISED PER TDRR 27561	—	6 APR 66	JJJ EF
D		REVISED PER TDRR 28778		19 MAY 66	GM CP
E		REVISED PER TDRR 32130		5 DEC 66	TD

CABLE USAGE TABLE (FOR REF)			
DESIG. NO.	ISS	OSS	GEN
W145			X
W147		X	
W148	X	X	
W149	X	X	
W150	X	X	X
W151		X	
W152		X	
W153		X	
W154	X	X	
W155			X
W156	X		
W158	X		
W159	X		X
W160			X
W162			X
W163			X
W164			X
W165			X
W166			X
W167	X	X	X

041	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1	-	-	-			2901566	CABLE ASSY ELECT (W154)
1	1	-				2901212	(W148)
1	1	-				2901485	(W149)
-	1	-				2901460	(W154)
1	1	-				2901462	(W162)
1	1	-				2901211	(W167)
-	-	1				2901129	(W154)
-	-	1				2901128	(W149)
-	-	1	1			2900672	(W167)
1	1	1	1			2900671	(W166)
1	1	1	1			2900670	(W165)
1	1	1	1			2900669	(W164)
1	1	1	1			2900668	(W163)
-	-	1	1			2900667	(W162)
1	1	1	1			2900665	(W160)
1	1	1	1			2900675	(W159)
1	1	1	1			2900664	(W158)
1	1	1	1			2900663	(W156)
1	1	1	1			2900662	(W155)
-	-		1			2900661	(W154)
1	1	1	1			2900660	(W153)
1	1	1	1			2900659	(W152)
1	1	1	1			2900600	(W151)
1	1	1	1			2900529	(W150)
-	-		1			2900658	(W149)
-	-	1	1			2900652	(W148)
1	1	1	1			2900603	(W147)
1	1	1	1			2900589	CABLE ASSY, ELECT (W145)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
		-021
1900030	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 20 AUG 65
CHECKED 26 AUG 65
APPROVAL 26 AUG 65
APPROVAL 12-20-65
NASA APPROVAL a. metzger/RSS
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL BLOCK II)

CODE IDENT NO. 99974
SIZE D
2900712
SCALE —
SHEET 1 OF 1

2900712 F

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. NO CONFIGURATION REQUIRED.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		REVISED PER MXC 207573		13 DEC 65	RP V.M.
B		INITIAL RELEASE CLASS A PER TDRR 24761		5 DEC 65	G.O.R.
C		REVISED PER TDRR 27561	—	6 APR 66	JJJ EF
D		REVISED PER TDRR 28778			GM CP
E		REVISED PER TDRR 32130		5 DEC 66	TD
F		REVISED PER TDRR 33561		18 APR 67	JC RCB

CABLE USAGE TABLE (FOR REF)			
DESIG. NO.	ISS	OSS	GEN
W145			☒
W147		☒	
W148	☒	☒	
W149	☒	☒	
W150	☒	☒	☒
W151		☒	
W152		☒	
W153		☒	
W154	☒	☒	
W155			☒
W156	☒		
W158	☒		
W159	☒		☒
W160			☒
W162			☒
W163			☒
W164			☒
W165			☒
W166			☒
W167	☒	☒	☒

-061	-051	-041	-031	-021	-011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	
1	–	–	–	–	–			2901605	CABLE ASSY ELECT	(W154)
1	1	–	–	–	–			2901599		(W156)
–	1	–	–	–	–			2901598		(W154)
1	1	–	–	–	–			2901597		(W152)
1	1	–	–	–	–			2901596		(W149)
1	1	–	–	–	–			2901595		(W148)
–	–	1	–	–	–			2901566		(W154)
–	–	1	1	–				2901212		(W148)
–	–	1	1	–				2901485		(W143)
–	–	–	1	–				2901469		(W154)
1	1	1	1	–				2901462		(W162)
1	1	1	1	–				2901211		(W167)
–	–	–	–	1				2901129		(W154)
–	–	–	–	1				2901128		(W149)
–	–	–	–	1	1			2900672		(W167)
1	1	1	1	1	1			2900671		(W166)
1	1	1	1	1	1			2900670		(W165)
1	1	1	1	1	1			2900669		(W164)
1	1	1	1	1	1			2900668		(W163)
–	–	–	–	1	1			2900667		(W162)
1	1	1	1	1	1			2900665		(W160)
1	1	1	1	1	1			2900675		(W159)
1	1	1	1	1	1			2900664		(W158)
–	–	1	1	1	1			2900663		(W156)
1	1	1	1	1	1			2900662		(W155)
1	1	–	–		1			2900661		(W154)
1	1	1	1	1	1			2900660		(W153)
–	–	1	1	1	1			2900659		(W152)
1	1	1	1	1	1			2900600		(W151)
1	1	1	1	1	1			2900529		(W150)
–	–	–	–		1			2900658		(W149)
–	–	–	–	1	1			2900652		(W148)
1	1	1	1	1	1			2900603		(W147)
1	1	1	1	1	1			2900589	CABLE ASSY, ELECT	(W145)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
		-021
1900030	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + – DECIMALS + – ANGLES + –

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN DATE 20 AUG 65
CHECKED Ed Foster 26 Aug 65
APPROVAL 26 AUG 65
APPROVAL J. M. Watson 12-20-65
NASA APPROVAL a. metzger
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL BLOCK II)

CODE IDENT NO. 99974
SIZE D
2900712
SCALE —
SHEET 1 OF 1

2900713 B

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. NO CONFIGURATION REQUIRED.

REVISIONS 23381					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 205859		11-OCT 65	JWD
B		INITIAL RELEASE CLASS A PER TDRR 23381		18 OCT 65	OKD

CABLE USAGE TABLE (FOR REF)

DESIG. NO.	ISS	OSS	GEN
W5	☒	☒	
W6	☒		
W7	☒		
W8	☒		
W9	☒		
W10	☒	☒	☒
W11	☒	☒	☒
W12	☒	☒	
W13	☒	☒	
W14	☒	☒	
W15	☒		
W16	☒		
W17	☒	☒	
W18	☒		☒
W20	☒	☒	
W21	☒		
W23	☒		
W24		☒	
W25	☒	☒	☒
W29	☒	☒	☒
~~W30~~	~~☒~~		
W31			☒
~~W34~~	~~☒~~	~~☒~~	~~☒~~
W36	☒		
W38	☒		
W39	☒		
W40	☒		
W41	☒		
W42	☒		
W45		☒	
W47	☒		
W48	☒		
W53	☒		
W55			☒
W59			☒
W60	☒		
W61	☒		
W62	☒		
W63	☒		
W67		☒	

CABLE USAGE TABLE (FOR REF)

DESIG. NO.	ISS	OSS	GEN
~~W69~~		~~☒~~	~~☒~~
W80			☒
W81			☒
W82			☒
W83			☒
W86			☒
W87	☒	☒	
W88	☒		
W89		☒	
W90		☒	
W91		☒	
W92		☒	
W93		☒	
W94		☒	
W95		☒	
W96			☒
W98	☒	☒	☒

LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			1			1902369	CABLE ASSY, ELEC (W98)
			1			1902347	(W96)
			1			1902340	(W95)
			1			1902337	(W94)
			1			1902349	(W93)
			1			1902339	(W92)
			1			1902338	(W91)
			1			1902365	(W90)
			1			1902346	(W89)
			1			1902308	(W88)
			1			1902309	(W87)
			1			1902095	(W86)
			1			1901879	(W83)
			1			1901683	(W82)
			1			1901682	(W81)
			1			1901681	(W80)
			~~1~~			~~1902319~~	~~(W69)~~
			1			1901678	(W67)
			1			1902330	(W63)
			1			1900987	(W62)
			1			1900991	(W61)
			1			1900989	(W60)
			1			1902366	(W59)
			1			1902374	(W55)
			1			1900980	(W53)
			1			1900993	(W48)
			1			1900990	(W47)
			1			1900960	(W45)
			1			1900992	(W42)
			1			1900961	(W41)
			1			1900927	(W40)
			1			1900928	CABLE ASSY, ELEC (W39)

LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			1			1900930	CABLE ASSY, ELEC (W38)
			1			1902306	(W36)
			~~1~~			~~1901614~~	~~(W34)~~
			1			1901302	(W31)
			~~1~~			~~1902318~~	~~(W30)~~
			1			1900879	(W29)
			1			1900918	(W25)
			1			1900917	(W24)
			1			1900877	(W23)
			1			1900977	(W21)
			1			1900878	(W20)
			1			1900974	(W18)
			1			1900875	(W17)
			1			1900876	(W16)
			1			1900906	(W15)
			1			1900985	(W14)
			1			1902312	(W13)
			1			1900981	(W12)
			1			1900975	(W11)
			1			1900976	(W10)
			1			1900982	(W9)
			1			1900983	(W8)
			1			1900908	(W7)
			1			1900907	(W6)
			1			1900916	CABLE ASSY ELEC (W5)

APPLICATION		
NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	-011

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS + — − | ANGLES + — −

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Allison DATE 19 AUG 65
CHECKED Ed. Foster 26 AUG 65
APPROVAL 26 AUG 65
APPROVAL 10/12/6
NASA APPROVAL
MIT APPROVAL 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL SERIES 100)

CODE IDENT NO. 99974
SIZE D
2900713
SCALE —
SHEET 1 OF 1

2900713 C

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. NO CONFIGURATION REQUIRED.

REVISIONS 23381					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 205859		11-Oct 65	JWD
B		INITIAL RELEASE CLASS A PER TDRR 23381		18 OCT 65	DKD
C		REVISED PER TDRR 27562	—	6 APR 66	JJ CP

CABLE USAGE TABLE (FOR REF)			
DESIG. NO.	ISS	OSS	GEN
W5	X	X	
W6	X		
W7	X		
W8	X		
W9	X		
W10	X	X	X
W11	X	X	X
W12	X	X	
W13	X	X	
W14	X	X	
W15	X		
W16	X		
W17	X	X	
W18	X		X
W20	X	X	
W21	X		
W23	X		
W24		X	
W25	X	X	X
W29	X	X	X
~~W30~~	~~X~~		
W31			X
~~W34~~	~~X~~	~~X~~	~~X~~
W36	X		
W38	X		
W39	X		
W40	X		
W41	X		
W42	X		
W45		X	
W47	X		
W48	X		
W53	X		
W55			X
W59			X
W60	X		
W61	X		
W62	X		
W63	X		
W67		X	

CABLE USAGE TABLE (FOR REF)			
DESIG. NO.	ISS	OSS	GEN
~~W69~~		~~X~~	~~X~~
W80			X
W81			X
W82			X
W83			X
W86			X
W87	X	X	
W88	X		
W89		X	
W90		X	
W91		X	
W92		X	
W93		X	
W94		X	
W95		X	
W96			X
W98	X	X	X

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		021	011				
		1				1902584	CABLE ASSY, ELECT (W96)
		1	1			1902369	(W98)
			1			1902347	(W96)
		1	1			1902340	(W95)
		1	1			1902337	(W94)
		1	1			1902349	(W93)
		1	1			1902339	(W92)
		1	1			1902338	(W91)
		1	1			1902365	(W90,
		1	1			1902346	(W89)
		1	1			1902308	(W88)
		1	1			1902309	(W87)
		1	1			1902095	(W86)
		1	1			1901879	(W83)
		1	1			1901683	(W82)
		1	1			1901682	(W81)
		1	1			1901681	(W80)
			~~1~~			~~1902319~~	~~(W69)~~
		1	1			1901678	(W67)
		1	1			1902330	(W63)
		1	1			1900987	(W62)
		1	1			1900991	(W61)
		1	1			1900989	(W60)
		1	1			1902366	(W59)
		1	1			1902374	(W55)
		1	1			1900980	(W53)
		1	1			1900993	(W48)
		1	1			1900990	(W47)
		1	1			1900960	(W45)
		1	1			1900992	(W42)
		1	1			1900961	(W41)
		1	1			1900927	(W40)
		1	1			1900928	CABLE ASSY, ELEC (W39)

LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		021	011				
		1	1			1900930	CABLE ASSY, ELEC (W38)
		1	1			1902306	(W36)
			~~1~~			~~1901614~~	~~(W34)~~
		1	1			1901302	(W31)
			~~1~~			~~1902318~~	~~(W30)~~
		1	1			1900879	(W29)
		1	1			1900918	(W25)
		1	1			1900917	(W24)
		1	1			1900877	(W23)
		1	1			1900977	(W21)
		1	1			1900878	(W20)
		1	1			1900974	(W18)
		1	1			1900875	(W17)
		1	1			1900876	(W16)
		1	1			1900906	(W15)
		1	1			1900985	(W14)
		1	1			1902312	(W13)
		1	1			1900981	(W12)
		1	1			1900975	(W11)
		1	1			1900976	(W10)
		1	1			1900982	(W9)
		1	1			1900983	(W8)
		1	1			1900908	(W7)
		1	1			1900907	(W6)
		1	1			1900916	CABLE ASSY ELEC (W5)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± __ DECIMALS ± __ ANGLES ± __
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN Allison DATE 19 AUG 65
CHECKED Ed Foster 26 Aug 65
APPROVAL [illegible] 26 Aug 65
APPROVAL [illegible] 10/12/65
NASA APPROVAL
MIT APPROVAL [illegible] 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL SERIES 100)

CODE IDENT NO. 99974
SIZE D
2900713
SCALE —
SHEET 1 OF 1

2900713 D

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. NO CONFIGURATION REQUIRED.

REVISIONS 23381

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 205859		7-OCT 65	JWP
B		INITIAL RELEASE CLASS A PER TDRR 23381		18 OCT 65	DKD
C		REVISED PER TDRR 27562	—	6 APR 66	JJJ CP
D		REVISED PER TDRR 28777		19 MAY 66	

CABLE USAGE TABLE (FOR REF)

DESIG. NO	ISS	OSS	G&N
W5	X	X	
W6	X		
W7	X		
W8	X		
W9	X		
W10	X	X	X
W11	X	X	X
W12	X	X	
W13	X	X	
W14	X	X	
W15	X		
W16	X		
W17	X	X	
W18	X		X
W20	X	X	
W21	X		
W23	X		
W24		X	
W25	X	X	X
W29	X	X	X
~~W30~~	~~X~~		
W31			X
~~W34~~	~~X~~	~~X~~	~~X~~
W36	X		
W38	X		
W39	X		
W40	X		
W41	X		
W42	X		
W45		X	
W47	X		
W48	X		
W53	X		
W55			X
W59			X
W60	X		
W61	X		
W62	X		
W63	X		
W67		X	

CABLE USAGE TABLE (FOR REF)

DESIG. NO.	ISS	OSS	G&N
~~W69~~		~~X~~	~~X~~
W80			X
W81			X
W82			X
W83			X
W86			X
W87	X	X	
W88	X		
W89		X	
W90		X	
W91		X	
W92		X	
W93		X	
W94		X	
W95		X	
W96			X
W98	X	X	X

	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	—	—			1902614	CABLE, ASSY, ELECT (W96)
	1	—	—			1902613	(W59)
	1	—	—			1902612	(W55)
	1	—	—			1902611	(W31)
	1	—	—			1902633	(W16)
	—	1				1902584	(W96)
	1	1	1			1902369	(W98)
	—		1			1902347	(W96)
	1	1	1			1902340	(W95)
	1	1	1			1902337	(W94)
	1	1	1			1902349	(W93)
	1	1	1			1902339	(W92)
	1	1	1			1902338	(W91)
	1	1	1			1902365	(W90)
	1	1	1			1902346	(W89)
	1	1	1			1902308	(W88)
	1	1	1			1902309	(W87)
	1	1	1			1902095	(W86)
	1	1	1			1901879	(W83)
	1	1	1			1901683	(W82)
	1	1	1			1901682	(W81)
	1	1	1			1901681	(W80)
			~~1~~			~~1902319~~	~~(W69)~~
	1	1	1			1901678	(W67)
	1	1	1			1902330	(W63)
	1	1	1			1900987	(W62)
	1	1	1			1900991	(W61)
	1	1	1			1900989	(W60)
	—	1	1			1902366	(W59)
	—	1	1			1902374	(W55)
	1	1	1			1900980	(W53)
	1	1	1			1900993	(W48)
	1	1	1			1900990	(W47)
	1	1	1			1900960	(W45)
	1	1	1			1900992	(W42)
	1	1	1			1900961	(W41)
	1	1	1			1900927	(W40)
	1	1	1			1900928	CABLE ASSY, ELEC (W39)
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

	031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	1	1			1900930	CABLE ASSY, ELEC (W38)
	1	1	1			1902306	(W36)
			~~1~~			~~1901614~~	~~(W34)~~
	—	1	1			1901302	(W31)
			~~1~~			~~1902318~~	~~(W30)~~
	1	1	1			1900879	(W29)
	1	1	1			1900918	(W25)
	1	1	1			1900917	(W24)
	1	1	1			1900877	(W23)
	1	1	1			1900977	(W21)
	1	1	1			1900878	(W20)
	1	1	1			1900974	(W18)
	1	1	1			1900875	(W17)
	—	1	1			1900876	(W16)
	1	1	1			1900906	(W15)
	1	1	1			1900985	(W14)
	1	1	1			1902312	(W13)
	1	1	1			1900981	(W12)
	1	1	1			1900975	(W11)
	1	1	1			1900976	(W10)
	1	1	1			1900982	(W9)
	1	1	1			1900983	(W8)
	1	1	1			1900908	(W7)
	1	1	1			1900907	(W6)
	1	1	1			1900916	CABLE ASSY ELEC (W5)
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Allison DATE 19 AUG 65
CHECKED Ed. Foster 26 AUG 65
APPROVAL 26 AUG 65
APPROVAL 10/12/65
NASA APPROVAL
MIT APPROVAL 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET,
INTERCONNECT
(SPECIAL SERIES 100)

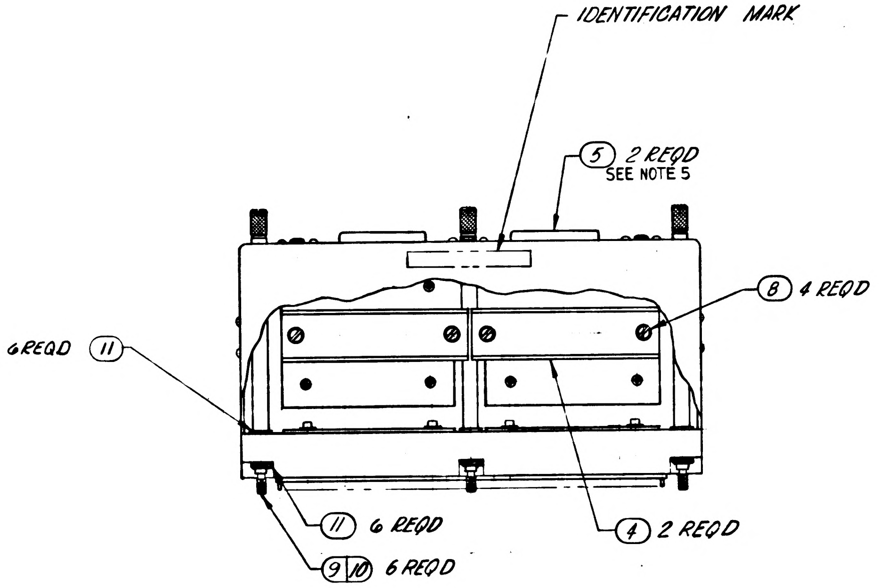
CODE IDENT NO. 99974
SIZE D
2900713
SCALE —
SHEET 1 OF 1

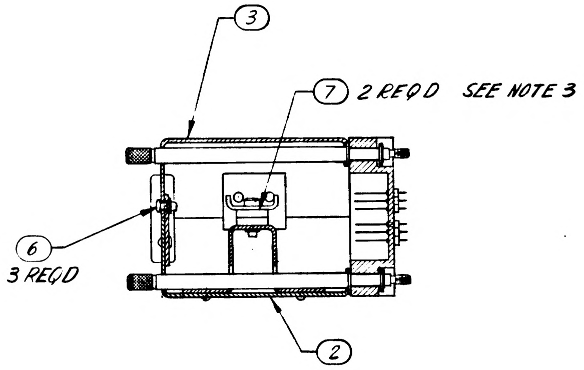
MIL 10770-A

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO 60930		9 AUG 65	
	B	REVISED PER MXC 205090		23 SEP 65	
	C	INITIAL RELEASE CLASS A PER TDRR 23807		18 OCT 65	

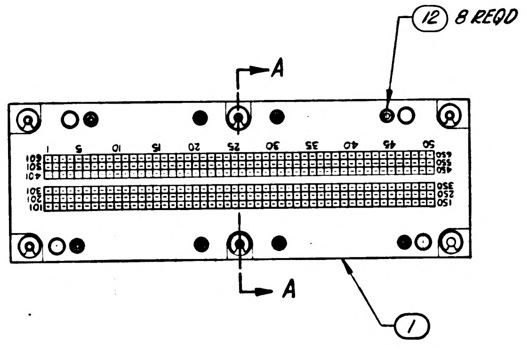
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY ASSY WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
3. BOND ITEM ⑦ TO ITEM ④ PER ND 1002151.
4. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING
5. ITEM ⑤ TO BE SPLIT PER MS 35489 AT INSTALLATION.





SECTION A-A



						ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 4				8		12	1017418-11	SCREW, CAP SOCKET HD
SEE NOTE 4				12		11	1897324-002	WASHER PLAIN
				6		10	MS 16633-4015	RING, RETAINING E
				6		9	2900676-002	SCREW, EXTERNALLY RELIEVED BODY
SEE NOTE 4				4		8	1017429-4	SCREW, SHOULDER
				2		7	2900580-004	GASKET
SEE NOTE 4				3		6	1006783-19	SCREW BUTTON HD HEX SOCKET
				2		5	MS 35489-20	GROMMET
				2		4	2900711-004	CLAMP, MOVABLE
				1		3	2900718	SHELL, ELEC CONN (INSEP ASSY)
				1		2	2900716	SHELL, ELEC CONN (INSEP ASSY)
				1		1	2900715	BASE, ELEC CONN (INSEP ASSY)
				011	EFFECTIVITY			
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900044-011	6900043-011	-011
2900661-011	2900661-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS + — − ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN [illegible] DATE 6 AUG 65
CHECKED [illegible] 2 AUG 65
APPROVAL [illegible] 13 AUG 65
APPROVAL [illegible]
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG ELECTRICAL
300 PIN

CODE IDENT NO. 99974
SIZE E
2900714
SCALE FULL
SHEET 1 OF 1

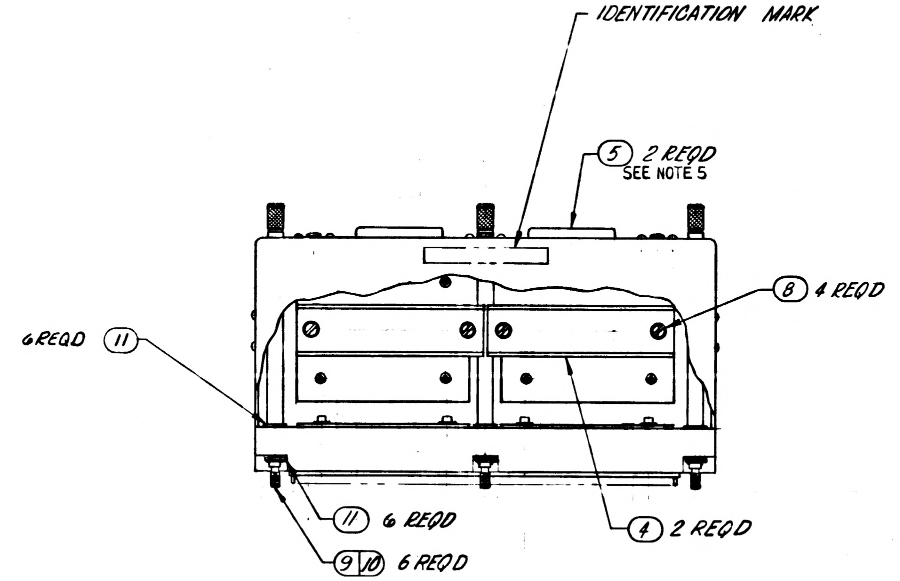
Charleston 13 AUG 65

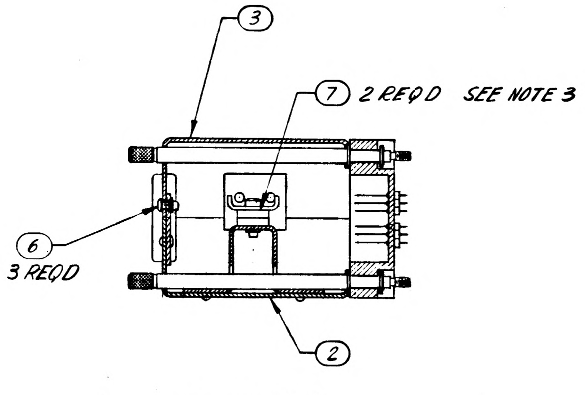
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY ASSY WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
3. BOND ITEM ⑦ TO ITEM ④ PER ND 1002151.
4. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING
5. ITEM ⑤ TO BE SPLIT PER MS 35489 AT INSTALLATION.

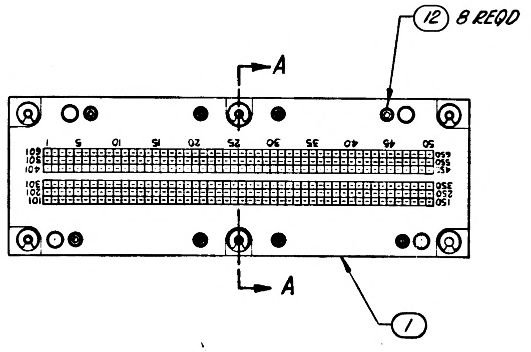
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO 60930		9 Aug 65	
	B	REVISED PER MXC 205090		23 SEP 65	
	C	INITIAL RELEASE CLASS A PER TDRR 2380		18 OCT 65	KES
	D	REVISED PER TDRR 2‾648		5 APR	PHG

Ⓜ





SECTION A-A



						ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 4				8		12	1017418-11	SCREW, CAP SOCKET HD.
SEE NOTE 4				12		11	1897324-002	WASHER, PLAIN
				6		10	MS16633-4015	RING, RETAINING E
				6		9	2900676-002	SCREW, EXTERNALLY RELIEVED BODY
				4		8	2901022-004	SCREW, SHOULDER
				2		7	2900580-004	GASKET
SEE NOTE 4				3		6	1006783-19	SCREW BUTTON HD HEX SOCKET
				2		5	MS35489-20	GROMMET
				2		4	2900711-004	CLAMP, MOVABLE
				1		3	2900718	SHELL, ELEC CONN (USEP ASSY)
				1		2	2900716	SHELL, ELEC CONN (USEP ASSY)
				1		1	2900715	BASE, ELEC CONN (USEP ASSY)
				011	EFFECTIVITY			
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
6900044-011	6900043-011	-011
2900661-011	2900661-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 6 AUG 65
CHECKED 13 AUG 65
APPROVAL 13 Aug 65
APPROVAL Jelman
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR PLUG ELECTRICAL
300 PIN

CODE IDENT NO. 99974
SIZE E
2900714
SCALE FULL
SHEET 1 OF 1

Charleston 13 AUG 65

APPLICATION	
NEXT ASSY	USED ON
2900024-011	2900024-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
E	REPLACES REV D WITH CHANGE PER MXC205052	11 OCT 65	J J J
F	REVISED PER MXC205443	13 OCT 65	J J J
G	REVISED PER MXC205507	19 OCT 65	JJJ
H	REVISED PER MXC 309805	19 OCT 65	W.D
J	REVISED PER MXC 206175	20 OCT 65	RP. W.D
K	INITIAL RELEASE CLASS A PER TDRR 23557	21 OCT 65	GR CW.

	REV	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
	SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
REV STATUS	REV			K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K		
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN J. KILVINGER DATE 2 SEP 65
CHECKED C WILSON 3 SEP 65
APPROVAL 3 SEP 65
APPROVAL 10-22-65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS9-497

WIRING HARNESS D

CODE IDENT NO.	SIZE		REV
99974	A	2900719	K
SCALE —		SHEET 1 OF 160	

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
48	K	84	K	120	K	156	K								
49	K	85	K	121	K	157	K								
50	K	86	K	122	K	158	K								
51	K	87	K	123	K	159	K								
52	K	88	K	124	K	160	K								
53	K	89	K	125	K										
54	K	90	K	126	K										
55	K	91	K	127	K										
56	K	92	K	128	K										
57	K	93	K	129	K										
58	K	94	K	130	K										
59	K	95	K	131	K										
60	K	96	K	132	K										
61	K	97	K	133	K										
62	K	98	K	134	K										
63	K	99	K	135	K										
64	K	100	K	136	K										
65	K	101	K	137	K										
66	K	102	K	138	K										
67	K	103	K	139	K										
68	K	104	K	140	K										
69	K	105	K	141	K										
70	K	106	K	142	K										
71	K	107	K	143	K										
72	K	108	K	144	K										
73	K	109	K	145	K										
74	K	110	K	146	K										
75	K	111	K	147	K										
76	K	112	K	148	K										
77	K	113	K	149	K										
78	K	114	K	150	K										
79	K	115	K	151	K										
80	K	116	K	152	K										
81	K	117	K	153	K										
82	K	118	K	154	K										
83	K	119	K	155	K										

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION	NASA DRAWING NO.
K	2900719
	SHEET 2 OF 160

WIRING HARNESS D 2900719 FK

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
  A - ND1002071
  B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019.

6 APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND 1002019.

7 ITEMS 68, 69, 70, AND 71 TO BE LOCATED ADJACENT TO ITEMS 66 AND 67

8 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

9 GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEMS 65 AND 74.

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 86 OR ITEMS 87 AND 88.

11 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

12 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

13 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

14 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 89.

15 LACE HARNESS USING ITEM 89.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 3 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

NOTE GENERAL NOTES

NUMBER DESCRIPTION

16 ITEM 54 LOCATED ON THE PREPARED LEAD END OF ALL MULTI-LEADS WHEN SPECIFIED

17 ITEMS 73 AND 74 FURNISHED WITH ITEM 29

18 ITEMS 63 AND 65 FURNISHED WITH ITEMS 26, 27, AND 28

19 ITEMS 64 AND 65 FURNISHED WITH ITEMS 23, 24, AND 25

20 ITEM 61 FURNISHED WITH ITEMS 33,34,35,36,37,38,41,42,43,45,46, AND 47.

21 ITEM 62 FURNISHED WITH ITEMS 31,32,39,40, AND 44.

22 MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

23 TAPE HARNESS USING ITEM 91 AT POINTS WHERE ABRASION MAY OCCUR AT NEXT HIGHER ASSEMBLY.

24 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 4 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

NOTE GENERAL NOTES

NUMBER DESCRIPTION

25 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
  A - FROM END SHIELD
  B - TO END SHIELD
  E - GRAY
  L - WHITE WITH BLUE TRACER
  R - WHITE WITH RED TRACER.
  W - WHITE
  X - COAX OUTER CONDUCTOR
  Y - WHITE WITH YELLOW TRACER

26 ITEM 93 FURNISHED WITH ITEM 38.

27 IN CIRCUIT POINT FIELD---
  I - INDICATES INNER LEAD
  O - INDICATES OUTER LEAD

28 ASSEMBLE PER ND1002032

29 TYPICAL INSTALLATION OF CONTACTS
  A - ASSEMBLE HYRING OVER BOTH LEADS
  B - ASSEMBLE OUTER SLEEVE, INNER SLEEVE, AND INNER CONTACT TO INNER LEAD IN ORDER LISTED. CRIMP CONTACT.
  C - ASSEMBLE OUTER CONTACT TO INNER CONTACT. SLIDE OUTER SLEEVE OVER OUTER CONTACT UNTIL SEATED. LAY OUTER LEAD AGAINST OUTER CONTACT IN OPEN SECTION OF OUTER SLEEVE.
  D - SLIDE HYRING FORWARD AGAINST SPRING AND CRIMP.

30 LEADS TERMINATING AT TERMINATIONS 74 THRU 79 SHALL BE ROUTED ALONG CHANNEL A.

31 LEADS TERMINATING AT TERMINATIONS 80 THRU 84 SHALL BE ROUTED ALONG CHANNEL B.

32 LEADS TERMINATING AT TERMINATIONS 85 THRU 92 SHALL BE ROUTED ALONG CHANNEL C.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 5 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

33 **LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 98 WHENEVER ITEMS 4,10, AND 14 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .062 INCH.**

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 6 OF ~~157~~ 160

WIRING HARNESS D 2900719 KPH

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900719-001	WIRE ND1002181, TYPE 1, CLASS 1, 24AWG WHT 440 FT TOTAL LENGTH
	2	1	2900719-002	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG WHT ~~1560~~ 1600 FT TOTAL LENGTH
	3	1	2900719-003	WIRE ND1002181, TYPE 1, CLASS 1, 20AWG WHT ~~1840~~ 1845 FT TOTAL LENGTH
	4	1	2900719-004	WIRE ND1002181, TYPE 1, CLASS 1, 16AWG WHT ~~325~~ ~~310~~ 337 FT TOTAL LENGTH
	5	1	2900719-005	WIRE ND1002181, TYPE 1, CLASS 4, WHT JKT, 24AWG WHT, 86 FT TOTAL LENGTH
	6	1	2900719-006	WIRE ND1002181, TYPE 1, CLASS 4, WHT JKT, 22AWG WHT, 160 FT TOTAL LENGTH
	7	1	2900719-007	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 24AWG (WHT/BLUE,WHT/RED), 630 FT TOTAL LENGTH
	8	1	2900719-008	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG (WHT/BLUE,WHT/RED), ~~527~~ 533 FT TOTAL LENGTH
	9	1	2900719-009	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG (WHT/BLUE,WHT/RED), 644 FT TOTAL LENGTH
	10	1	2900719-010	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG (WHT/BLUE,WHT/RED), 7 FT TOTAL LENGTH
	11	1	2900719-011	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 24AWG (WHT/BLUE,WHT/RED,WHT/YEL), 30 FT TOTAL LG
	12	1	2900719-012	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG (WHT/BLUE,WHT/RED,WHT/YEL), ~~10~~ 12 FT TOTAL LG

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FHK	SHEET 7 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	13	1	2900719-013	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG (WHT/BLUE,WHT/RED,WHT/YEL), 16 FT TOTAL LG
	14	1	2900719-014	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 16AWG (WHT/BLUE,WHT/RED,WHT/YEL), 11 FT TOTAL LG
	15	1	2900719-015	WIRE COAXIAL MIL-C-17/69A RG 188/U, 16 FT TOTAL LENGTH
11	16	1	1897214-001	CONNECTOR, RECP
11	17	1	1897214-002	CONNECTOR, RECP
11	18	2	1897214-003	CONNECTOR, RECP
11	19	1	1897214-004	CONNECTOR, RECP
11	20	1	1897214-005	CONNECTOR, RECP
11	21	1	1897214-011	CONNECTOR, RECP
11	22	1	1897214-013	CONNECTOR, RECP
11	23	1	1897247-001	CONNECTOR, RECP
11	24	1	1897247-006	CONNECTOR, RECP
11	25	1	1897247-009	CONNECTOR, RECP
11	26	1	1897252-101	CONNECTOR, RECP
11	27	1	1897252-103	CONNECTOR, RECP
11	28	1	1897252-104	CONNECTOR, RECP
11	29	1	1897305-006	CONNECTOR, RECP

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 8 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	30	1	1016059-100	CONNECTOR, PLUG
	31	2	MS3127E24-61P	(1897055-610) CONNECTOR, RECP
	32	1	MS3127E24-61PX	(1897055-612) CONNECTOR, RECP
	33	1	MS3127E24-61S	(1897056-610) CONNECTOR, RECP
	34	1	MS3127E24-61SW	(1897056-611) CONNECTOR, RECP
	35	1	MS3127E24-61SX	(1897056-612) CONNECTOR, RECP
	36	3	MS3127E24-61SY	(1897056-613) CONNECTOR, RECP
	37	2	MS3127E24-61SZ	(1897056-614) CONNECTOR, RECP
	38	1	MS3126F12-10S	(1897039-100) CONNECTOR, PLUG
	39	1	MS3127E22-55PW	(1897053-551) CONNECTOR, RECP
	40	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECP
	41	1	MS3127E22-55S	(1897054-550) CONNECTOR, RECP
	42	1	MS3127E22-55SX	(1897054-552) CONNECTOR, RECP
	43	1	MS3127E22-55SY	(1897054-553) CONNECTOR, RECP
	44	1	MS3127E22-21P	(1897053-210) CONNECTOR, RECP
	45	1	MS3127E22-55SW	(1897054-551) CONNECTOR, RECP
	46	1	MS3127E14-19S	(1897116-190) CONNECTOR, RECP
	47	1	MS3127E20-41S	(1897052-410) CONNECTOR, RECP

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 9 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	48	29	1897267-001	CONNECTOR, RECP
11	49	~~602~~ 623	1897266-001	CONTACT,RECEPTACLE
11	50	~~111~~ 110	1016369-188	CONTACT INNER MALE
11	51	75	1016369-288	CONTACT OUTER MALE
11	52	74	1016369-388	CONTACT INNER FEMALE
11	53	~~110~~ 109	1016369-488	CONTACT OUTER FEMALE
11	54	~~191~~ 190	1016369-588	HYRING
11	55	~~29~~ ~~30~~ 32	1016369-421	CONTACT FEMALE
11	56	5	1016369-420	CONTACT MALE
11	57	75	1016369-712	INNER SLEEVE
11	58	~~185~~ 184	1016369-713	OUTER SLEEVE
11	59	~~24~~ 25	1016369-721	CONTACT FEMALE
11	60	~~109~~ 108	1016369-711	INNER SLEEVE
	61		MS3193A-20A	(1896877-020) CONTACT SOCKET
	62		MS3192A-20A	(1896855-020) CONTACT PIN
11	63		1897190- 1	CONTACT, ELECTRICAL, PIN
11	64		1897190- 2	CONTACT, ELECTRICAL, SOCKET
11	65		1010958- 1	SEALING PLUG

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 10 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	66	~~34~~ 7	1010763- ~~2~~ -3	SOLDER SLEEVE
11	67	~~314~~ ~~341~~ 345	1010763- ~~3~~ -2	SOLDER SLEEVE
11	68	10	1010490-222	INSULATION SLEEVING, ELEC HT SHRINK
11	69	188	1010490-226	INSULATION SLEEVING, ELEC HT SHRINK
11	70	~~361~~ 369	1010490-228	INSULATION SLEEVING, ELEC HT SHRINK
11	71	64	1010490-232	INSULATION SLEEVING, ELEC HT SHRINK
11	72	4	1015864-172	INSULATION SLEEVING, ELEC
11	73			CONTACT PINS
11	74			SEALING PLUGS
11	75	5	1016006-001	SPLICE REDUCER
11	76	~~10~~ 9	1016006-002	SPLICE REDUCER
11	77	~~8~~ 9	1016006-003	SPLICE REDUCER
11	78	6	1016006-004	SPLICE REDUCER
11	79	5	1010490-200	INSULATION SLEEVING, ELEC HT SHRINK
11	80	~~10~~ 9	1010490-258	INSULATION SLEEVING, ELEC HT SHRINK
11	81	~~8~~ 9	1010490-256	INSULATION SLEEVING, ELEC HT SHRINK
11	82	6	1010490-248	INSULATION SLEEVING, ELEC HT SHRINK
11	83	~~41~~ 43	1015902- 49	TERMINAL LUG

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR K		SHEET 11 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	84	~~20~~ 21	1015902- 8	TERMINAL LUG
11	85	6	1015864-225	INSULATION SLEEVING, ELEC
	86	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)
	87	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
	88	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	89	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732) ~~NO. 18)~~
11	90	32	1016128-011	BAND, IDENTIFICATION-BLANK
	91	AR	MIL-I-15126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO-SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES2716 TYPE C)
11	92	52	1015864-169	INSULATION SLEEVING
11	93	1	1016282- 12	GROMMET, RUBBER
11	94	AR	1901390	FILLER, TAPE
11	95	2	1015902- 12	TERMINAL LUG
	96	1	2900719-016	WIRE ND1002181 TYPE 1, CLASS 1, 12AWG WHITE 9 FT TOTAL LENGTH
11	97	1	1015902- 50	TERMINAL LUG
11	98	~~18~~ ~~19~~ 17	1897266-004	CONTACT, RECEPTACLE
11	99	3	1016369-720	CONTACT, MALE

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR K		SHEET 12 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	100	~~AR~~	DELETED ~~MIL-T-713~~	~~LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 24)~~

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR K		SHEET 13 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 1	3		J1-B E25-B	114 50				.22 .38	NO NO		61	
D 2	3		J1-S P74-F27	114 85				.22 .12	NO NO		61 49	
D 3	3		J1-T P74-A32	114 70				.22 .12	NO NO		61 49	
D 4	3		J1-U P74-F30	114 85				.22 .12	NO NO		61 49	
D 5	3		J1-V P71-B27	114 64				.22 .12	NO NC		61 49	
D 6	3		J1-W P71-B28	114 64				.22 .12	NO NO		61 49	
D 7	3		J1-X P71-B29	114 64				.22 .12	NO NO		61 49	
D 8	9				2.30 3.30	2.00 3.00				B,7 B,7	69 69	
D 8L			J1-Z P79-A19	114 65				.22 .12	NO NO		61 49	
D 8R			J1-Y P79-A17	114 65				.22 .12	NO NO		61 49	
D 9	9				2.30 3.30	2.00 3.00				B,7 A,6A	69 67, 69	
D 9A	2		SHLD D9 E25-B	 51				.25 .38	NO NO			

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR K		SHEET 14 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 9L			J1-B* P79-A25	114 65				.22 .12	NO NO		61 49	
D 9R			J1-A* P79-A24	114 65				.22 .12	NO NO		61 49	
D 10	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 10A	2		SHLD D10 J1-E*	 114				.25 .22	NO NO		 61	
D 10B	2		P74-A3 SHLD D10	70				.12 .25	NO NO		49	
D 10L			J1-D* P74-A2	114 70				.22 .12	NO NO		61 49	
D 10R			J1-C* P74-A1	114 70				.22 .12	NO NO		61 49	
D 11	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 11A	2		SHLD D11 J1-H*	 114				.25 .22	NO NO		 61	
D 11B	2		P74-A6 SHLD D11	70				.12 .25	NO NO		49	
D 11L			J1-G* P74-A5	114 70				.22 .12	NO NO		61 49	
D 11R			J1-F* P74-A4	114 70				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 15 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 12	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 12A	2		SHLD D12 J1-K*	 114				.25 .22	NO NO		 61	
D 12B	2		P74-A9 SHLD D12	70				.12 .25	NO NO		49	
D 12L			J1-J* P74-A8	114 70				.22 .12	NO NO		61 49	
D 12R			J1-I* P74-A7	114 70				.22 .12	NO NO		61 49	
D 13	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 13A	2		SHLD D13 J1-P*	 114				.25 .22	NO NO		 61	
D 13B	2		P74-A12 SHLD D13	70				.12 .25	NO NO		49	
D 13L			J1-N* P74-A11	114 70				.22 .12	NO NO		61 49	
D 13R			J1-M* P74-A10	114 70				.22 .12	NO NO		61 49	
D 14	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 14A	2		SHLD D14 J1-S*	 114				.25 .22	NO NO		 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 16 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 14B	2		P74-A15 SHLD D14	70				.12 .25	NO NO		49	
D 14L			J1-R* P74-A14	114 70				.22 .12	NO NO		61 49	
D 14R			J1-Q* P74-A13	114 70				.22 .12	NO NO		61 49	
D 15	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 15A	2		SHLD D15 J1-V*	 114				.25 .22	NO NO		 61	
D 15B	2		P74-A18 SHLD D15	70				.12 .25	NO NO		49	
D 15L			J1-U* P74-A17	114 70				.22 .12	NO NO		61 49	
D 15R			J1-T* P74-A16	114 70				.22 .12	NO NO		61 49	
D 16	8				2.60 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 16A	2		SHLD D16 J1-Y*	 114				.25 .22	NO NO		 61	
D 16B	2		P81-D3 SHLD D16	71				.12 .25	NO NO		49	
D 16L			J1-X* P81-D2	114 71				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 17 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 16R			J1-W* P81-D1	114 71				.22 .12	NO NO		61 49	
D 17	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 17A	2		SHLD D17 J1-BB	 114				.25 .22	NO NO		 61	
D 17B	2		P81-D6 SHLD D17	71				.12 .25	NO NO		49	
D 17L			J1-AA P81-D5	114 71				.22 .12	NO NO		61 49	
D 17R			J1-Z* P81-D4	114 71				.22 .12	NO NO		61 49	
D 18	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 18A	2		SHLD D18 J1-EE	 114				.25 .22	NO NO		 61	
D 18B	2		P81-D29 SHLD D18	71				.12 .25	NO NO		49	
D 18L			J1-DD P81-D28	114 71				.22 .12	NO NO		61 49	
D 18R			J1-CC P81-D27	114 71				.22 .12	NO NO		61 49	
D 19	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 18 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 19A	2		SHLD D19 J1-HH	 114				.25 .22	NO NO		 61	
D 19B	2		P81-D32 SHLD D19	71				.12 .25	NO NO		49	
D 19L			J1-GG P81-D31	114 71				.22 .12	NO NO		61 49	
D 19R			J1-FF P81-D30	114 71				.22 .12	NO NO		61 49	
D 20	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 20A	2		SHLD D20 J1-LL	 114				.25 .22	NO NO		 61	
D 20B	2		P73-A3 SHLD D20	68				.12 .25	NO NO		49	
D 20L			J1-KK P73-A2	114 68				.22 .12	NO NO		61 49	
D 20R			J1-JJ P73-A1	114 68				.22 .12	NO NO		61 49	
D 21	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 21A	2		SHLD D21 J1-PP	 114				.25 .22	NO NO		 61	
D 21B	2		P73-A6 SHLD D21	68				.12 .25	NO NO		49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 19 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 21L			J1-NN P73-A5	114 68				.22 .12	NO NO		61 49	
D 21R			J1-MM P73-A4	114 68				.22 .12	NO NO		61 49	
D 22	3		J2-G* A2-7	116 179				.22 .31	NO YES		61	
D 23	3		J2-H* A2-11	116 180A				.22 .31	NO YES		61	
D 24	3		J2-I* P74-A30	116 68				.22 .12	NO NO		61 49	
D 25	3		J2-J* P74-A29	116 68				.22 .12	NO NO		61 49	
D 26	3		J2-K* P74-F29	116				.22 .12	NO NO		61 49	
D 27	2		J2-M* J16-66	116 8				.22 .15	NO NO		61 63	
D 28	2		J2-N* J16-65	116 8				.22 .15	NO NO		61 63	
D 29	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 29A	2		SHLD D29 J2-S*	 116				.25 .22	NO NO		 61	
D 29B	2		P79-A8 SHLD D29	65				.12 .25	NO NO		49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 20 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 29L			J2-R* P79-A7	116 65				.22 .12	NO NO		61 49	
D 29R			J2-Q* P79-A6	116 65				.22 .12	NO NO		61 49	
D 30	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 30A	2		SHLD D30 J2-V*	 116				.25 .22	NO NO		 61	
D 30B	2		P79-A5 SHLD D30	65				.12 .25	NO NO		49	
D 30L			J2-U* P79-A4	116 65				.22 .12	NO NO		61 49	
D 30R			J2-T* P79-A3	116 65				.22 .12	NO NO		61 49	
D 31	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 31A	2		SHLD D31 J2-Y*	 116				.25 .22	NO NO		 61	
D 31B	2		P79-A14 SHLD D31	65				.12 .25	NO NO		49	
D 31L			J2-X* P79-A13	116 65				.22 .12	NO NO		61 49	
D 31R			J2-W* P79-A12	116 65				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 21 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 32	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 32A	2		SHLD D32 J2-BB	 116				.25 .22	NO NO		 61	
D 32B	2		P79-A11 SHLD D32	65				.12 .25	NO NO		49	
D 32L			J2-AA P79-A10	116 65				.22 .12	NO NO		61 49	
D 32R			J2-Z* P79-A9	116 65				.22 .12	NO NO		61 49	
D 33	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 33A	2		SHLD D33 J2-EE	 116				.25 .22	NO NO		 61	
D 33B	2		P73-A23 SHLD D33	68				.12 .25	NO NO		49	
D 33L			J2-DD P73-A22	116 68				.22 .12	NO NO		61 49	
D 33R			J2-CC P73-A21	116 68				.22 .12	NO NO		61 49	
D 34	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 34A	2		SHLD D34 J2-HH	 116				.25 .22	NO NO		 61	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 22 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 34B	2		P73-A26 SHLD D34	68				.12 .25	NO NO		49	
D 34L			J2-GG P73-A25	116 68				.22 .12	NO NO		61 49	
D 34R			J2-FF P73-A24	116 68				.22 .12	NO NO		61 49	
D 35	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 35A	2		SHLD D35 J2-LL	 116				.25 .22	NO NO		 61	
D 35B	2		P73-A29 SHLD D35	68				.12 .25	NO NO		49	
D 35L			J2-KK P73-A28	116 68				.22 .12	NO NO		61 49	
D 35R			J2-JJ P73-A27	116 68				.22 .12	NO NO		61 49	
D 36	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 36A	2		SHLD D36 J2-PP	 116				.25 .22	NO NO		 61	
D 36B	2		P73-A32 SHLD D36	68				.12 .25	NO NO		49	
D 36L			J2-NN P73-A31	116 68				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 23 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 36R			J2-MM P73-A30	116 68				.22 .12	NO NO		61 49	
D 37	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 37A	2		SHLD D37 J10-21	 5				.25 .15	NO NO		 63	
D 37B	2		P74-F3 SHLD D37	85				.12 .25	NO NO		49	
D 37L			J10-20 P74-F2	5 85				.15 .12	NO NO		63 49	
D 37R			J10-8 P74-F1	5 85				.15 .12	NO NO		63 49	
D 38	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 38A	2		SHLD D38 J10-19	 5				.25 .15	NO NO		 63	
D 38B	2		P74-F6 SHLD D38	85				.12 .25	NO NO		49	
D 38L			J10-18 P74-F5	5 85				.15 .12	NO NO		63 49	
D 38R			J10-7 P74-F4	5 85				.15 .12	NO NO		63 49	
D 39	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 24 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 39A	2		SHLD D39 J10-29	 5				.25 .15	NO NO		 63	
D 39B	2		P74-F9 SHLD D39	85				.12 .25	NO NO		49	
D 39L			J10-28 P74-F8	5 85				.15 .12	NO NO		63 49	
D 39R			J10-13 P74-F7	5 85				.15 .12	NO NO		63 49	
D 40	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 40A	2		SHLD D40 J10-27	 5				.25 .15	NO NO		 63	
D 40B	2		P74-F12 SHLD D40	85				.12 .25	NO NO		49	
D 40L			J10-26 P74-F11	5 85				.15 .12	NO NO		63 49	
D 40R			J10-12 P74-F10	5 85				.15 .12	NO NO		63 49	
D 41	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 41A	2		SHLD D41 J10-57	 5				.25 .15	NO NO		 63	
D 41B	2		P74-F15 SHLD D41	85				.12 .25	NO NO		49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 25 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 41L			J10-56 P74-F14	5 85				.15 .12	NO NO		63 49	
D 41R			J10-34 P74-F13	5 85				.15 .12	NO NO		63 49	
D 42	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 42A	2		SHLD D42 J10-33	 5				.25 .15	NO NO		 63	
D 42B	2		P74-F18 SHLD D42	85				.12 .25	NO NO		49	
D 42L			J10-55 P74-F17	5 85				.15 .12	NO NO		63 49	
D 42R			J10-32 P74-F16	5 85				.15 .12	NO NO		63 49	
D 43	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 43A	2		SHLD D43 J10-15	 5				.25 .15	NO NO		 63	
D 43B	2		P76-F3 SHLD D43	91				.12 .25	NO NO		49	
D 43L			J10-14 P76-F2	5 91				.15 .12	NO NO		63 49	
D 43R			J10-5 P76-F1	5 91				.15 .12	NO NO		63 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 26 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 44	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 44A	2		SHLD D44 J10-6	 5				.25 .15	NO NO		63	
D 44B	2		P76-F6 SHLD D44	91				.12 .25	NO NO		49	
D 44L			J10-16 P76-F5	5 91				.15 .12	NO NO		63 49	
D 44R			J10-17 P76-F4	5 91				.15 .12	NO NO		63 49	
D 45	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 45A	2		SHLD D45 J10-23	 5				.25 .15	NO NO		63	
D 45B	2		P76-F9 SHLD D45	91				.12 .25	NO NO		49	
D 45L			J10-22 P76-F8	5 91				.15 .12	NO NO		63 49	
D 45R			J10-9 P76-F7	5 91				.15 .12	NO NO		63 49	
D 46	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 46A	2		SHLD D46 J10-11	 5				.25 .15	NO NO		63	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 27 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 46B	2		P76-F12 SHLD D46	91				.12 .25	NO NO		49	
D 46L			J10-24 P76-F11	5 91				.15 .12	NO NO		63 49	
D 46R			J10-10 P76-F10	5 91				.15 .12	NO NO		63 49	
D 47	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 47A	2		SHLD D47 J10-52	 5				.25 .15	NO NO		63	
D 47B	2		P76-F15 SHLD D47	91				.12 .25	NO NO		49	
D 47L			J10-51 P76-F14	5 91				.15 .12	NO NO		63 49	
D 47R			J10-30 P76-F13	5 91				.15 .12	NO NO		63 49	
D 48	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 48A	2		SHLD D48 J10-54	 5				.25 .15	NO NO		63	
D 48B	2		P76-F18 SHLD D48	91				.12 .25	NO NO		49	
D 48L			J10-53 P76-F17	5 91				.15 .12	NO NO		63 49	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 28 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 48R			J10-31 P76-F16	5 91				.15 .12	NO NO		63 49	
D 49	2		J10-25 P70-E21	5 74				.15 .12	NO NO		63 49	
D 50	5				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 50A	1		SHLD D50 E6-B	 1				.25 .38	NO NO			
D 50W			J10-1 P75-B5	5 72				.15 .12	NO NO		63 49	
D 51	5				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 51A	1		SHLD D51 E6-B	 1				.25 .38	NO NO			
D 51W			J10-2 P75-B16	5 72				.15 .12	NO NO		63 49	
D 52	5				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 52A	1		SHLD D52 E6-B	 1				.25 .38	NO NO			
D 52W			J10-3 P75-B9	5 72				.15 .12	NO NO		63 49	
D 53	5				3.80 3.80	3.50 3.50				A,6A B,7	~~66,~~ 67 71 71	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 29 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 53A	1		SHLD D53 E6-B	 1				.25 .38	NO NO			
D 53W			J10-4 P75-B11	5 72				.15 .12	 NO		63 49	
D 54	2		P76-F22 E26-B	91 32A				.12 .38	NO NO			
D 55	2		P76-E2 E26-B	89 32A				.12 .38	NO NO			
D 56	2		P76-E4 E26-B	89 32A				.12 .38	NO NO			
D 57	2		J10-63 E6-B	5 1				.15 .38	NO NO		63	
D 58	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 58L			J10-48 J11-11	5 4				.15 .22	NO NO		63 55	
D 58R			J10-47 J11-10	5 4				.15 .22	NO NO		63 55	
D 59	2		J10-45 J11-12	5 4				.15 .22	NO NO		63 55	
D 60	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 60L			J10-44 J11-15	5 4				.15 .22	NO NO		63 55	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 30 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 60R			J10-43 J11-14	5 4				.15 .22	NO NO		63 55	
D 61	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 61L			J10-49 J11-16	5 4				.15 .22	NO NO		63 55	
D 61R			J10-46 J11-13	5 4				.15 .22	NO NO		63 55	
D 62	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 62L			J10-36 P73-F2	5 82				.15 .12	NO NO		63 49	
D 62R			J10-35 P73-F1	5 82				.15 .12	NO NO		63 49	
D 63	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 63L			J10-38 P73-F4	5 82				.15 .12	NO NO		63 49	
D 63R			J10-37 P73-F3	5 82				.15 .12	NO NO		63 49	
D 64	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 64L			J10-40 P73-F6	5 82				.15 .12	NO NO		63 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 31 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 64R			J10-39 P73-F5	5 82				.15 .12	NO NO		63 49	
D 65	8				2.30 2.30	2.00 2.00				A,6A B,7	67, 70 70	
D 65A	2		SHLD D65 E6-B	 1				.25 .38	NO NO			
D 65L			J10-61 P73-F8	5 82				.15 .12	NO NO		63 49	
D 65R			J10-60 P73-F7	5 82				.15 .12	NO NO		63 49	
D 66	~~4~~		~~J11-18~~ ~~P79-E27~~	~~4~~ ~~79~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 67	~~4~~		~~J11-20~~ ~~P79-F27~~	~~4~~ ~~80~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 68	~~4~~		~~J11-22~~ ~~P79-A27~~	~~4~~ ~~65~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 69	3		J56-B E21-B	41 49				.22 .38	NO NO		61	
D 70	4		J11-19 J17-Z	4 14				.22 .18	NO NO		59 73	
D 71	4		J11-21 J17-D*	4 14				.22 .18	NO NO		59 73	
D 72	4		J11-23 J17-G*	4 14				.22 .18	NO NO		59 73	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 32 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 73	4		J11-24 J17-A	4 14				.22 .18	NO NO		59 73	
D 74	4		J11-29 J17-E*	4 14				.22 .18	NO NO		59 73	
D 75	4		J11-30 J17-H*	4 14				.22 .18	NO NO		59 73	
D 76	10				2.30 2.30	2.00 2.00				A,6A B,7	67, 68 68	
D 76A	2		SHLD D76 E8-B	 3				.25 .38	NO NO			
D 76L			J11-42 J17-R	4 14				.22 .18	NO NO		59 73	
D 76R			J11-41 J17-P	4 14				.22 .18	NO NO		59 73	
D 77	14				2.30 2.30	2.00 2.00				A,6A B,7	~~67,~~ 66, 68 68	
D 77A	2		SHLD D77 E8-B	 3				.25 .38	NO NO			
D 77L			J11-45 E4	4 117				.22 .31	NO NO		59	
D 77R			J11-44 E5	4 117				.22 .31	NO NO		59	
D 77Y			J11-46 R1-1	4 117				.22 .31	NO YES		59	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 33 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 78	4		J11-25 XF13-2	4 103				.22 .31	NO YES		59	
D 79	4		J11-27 XF13-2	4 103				.22 .31	NO YES		59	
D 80	~~4~~		~~J11-26~~ ~~J17-A*~~	~~4~~ ~~14~~	DELETED			~~.22~~ ~~.18~~	~~NO~~ ~~NO~~		~~59~~ ~~73~~	
D 81	~~4~~		~~J11-28~~ ~~J17-B*~~	~~4~~ ~~14~~	DELETED			~~.22~~ ~~.18~~	~~NO~~ ~~NO~~		~~59~~ ~~73~~	
D 82	13				2.30 2.30	2.00 2.00				A,6A B,7	~~67,~~ 66, 69 69	
D 82A	2		SHLD D82 E8-B	 3				.25 .38	NO NO			
D 82L			J11-34 P74-E28	4 84				.22 .12	NO NO		55 49	
D 82R			J11-32 P74-E25	4 84				.22 .12	NO NO		55 49	
D 82Y			J11-33 P74-E31	4 84				.22 .12	NO NO		55 49	
D 83	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 83A	2		SHLD D83 E6-B	 1				.25 .38	NO NO			
D 83L			J11-38 P74-E22	4 84				.22 .12	NO NO		55 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 34 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 83R			J11-37 P74-E21	4 84				.22 .12	NO NO		55 49	
D 84	7				2.30 3.30	2.00 3.00				A,6B A,6B	~~67,~~ 66 70, 54 ~~67,~~ 66 70	
D 84A	1		SHLD D84 J12-11/O	2				.25 .23	NO NO		53, 54	
D 84B	2		P74-E3 SHLD D84	84				.12 .25	NO NO		49	
D 84L			J12-12/O P74-E2	2 84			.34	.23 .12	NO NO		53 49	
D 84R			J12-12/I P74-E1	2 84				.22 .12	NO NO		50, 60, 58 49	SEE NOTE 29 TYP
D 85	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 85A	1		SHLD D85 J12-11/I	2				.25 .22	NO NO		50, 60, 58	
D 85B	2		P74-E6 SHLD D85	84				.12 .38	NO NO		49	
D 85L			J12-10/O P74-E5	2 84			.34	.23 .12	NO NO		53 49	
D 85R			J12-10/I P74-E4	2 84				.22 .12	NO NO		50, 60, 58 49	
D 86	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 35 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 86A	1		SHLD D86 J12-14/O	2				.25 .23	NO NO		53, 54	
D 86B	2		P74-E9 SHLD D86	84				.12 .25	NO NO		49	
D 86L			J12-15/O P74-E8	2 84			.34	.23 .12	NO NO		53 49	
D 86R			J12-15/I P74-E7	2 84				.22 .12	NO NO		50, 60, 58 49	
D 87	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 87A	1		SHLD D87 J12-14/I	2				.25 .22	NO NO		50, 60, 58	
D 87B	2		P74-E12 SHLD D87	84				.12 .25	NO NO		49	
D 87L			J12-13/O P74-E11	2 84			.34	.23 .12	NO NO		53 49	
D 87R			J12-13/I P74-E10	2 84				.22 .12	NO NO		50, 60, 58 49	
D 88	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 88A	1		SHLD D88 J12-17/O	2				.25 .23	NO NO		53, 54	
D 88B	2		P74-E15 SHLD D88	84				.12 .25	NO NO		49	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 36 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 88L			J12-18/O P74-E14	2 84			.34	.23 .12	NO NO		53 49	
D 88R			J12-18/I P74-E13	2 84				.22 .12	NO NO		50, 57, 58 49	
D 89	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 89A	1		SHLD D89 J12-17/I	2				.25 .22	NO NO		50, 57, 58	
D 89B	2		P74-E18 SHLD D89	84				.12 .38	NO NO		49	
D 89L			J12-16/O P74-E17	2 84			.34	.23 .12	NO NO		53 49	
D 89R			J12-16/I P74-E16	2 84				.22 .12	NO NO		50, 60, 58 49	
D 90	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 90A	1		SHLD D90 J12-2/I	2				.25 .22	NO NO		50, 60, 58	
D 90B	2		P73-F13 SHLD D90	82				.12 .25	NO NO		49	
D 90L			J12-1/O P73-F12	2 82			.34	.23 .12	NO NO		53 49	
D 90R			J12-1/I P73-F11	2 82				.22 .12	NO NO		50, 60, 58 49	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 37 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 91	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 91A	1		SHLD D91 J12-2/O	2				.25 .23	NO NO		53, 54	
D 91B	2		P73-F16 SHLD D91	82				.12 .25	NO NO		49	
D 91L			J12-3/O P73-F15	2 82			.34	.23 .12	NO NO		53 49	
D 91R			J12-3/I P73-F14	2 82				.22 .12	NO NO		50, 60, 58 49	
D 92	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 92A	1		SHLD D92 J12-5/I	2				.25 .22	NO NO		50, 60	
D 92B	2		P73-F19 SHLD D92	82				.12 .25	NO NO		49	
D 92L			J12-4/O P73-F18	2 82			.34	.23 .12	NO NO		53 49	
D 92R			J12-4/I P73-F17	2 82				.22 .12	NO NO		50, 60, 58 49	
D 93	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 93A	1		SHLD D93 J12-5/O	2				.25 .23	NO NO		53, 54	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 38 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 93B	2		P73-F22 SHLD D93	82				.12 .25	NO NO		49	
D 93L			J12-6/O P73-F21	2 82			.34	.23 .12	NO NO		53 49	
D 93R			J12-6/I P73-F20	2 82				.22 .12	NO NO		50, 60, 58 49	
D 94	7				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 94A	1		SHLD D94 J12-8/I	2				.25 .22	NO NO		50, 60, 58	
D 94B	2		P73-F25 SHLD D94	82				.12 .25	NO NO		49	
D 94L			J12-7/O P73-F24	2 82			.34	.23 .12	NO NO		53 49	
D 94R			J12-7/I P73-F23	2 82				.22 .12	NO NO		50, 60, 58 49	
D 95	7				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 95A	1		SHLD D95 J12-8/O	2				.25 .23	NO NO		53, 54	
D 95B	2		P73-F28 SHLD D95	82				.12 .25	NO NO		49	
D 95L			J12-9/O P73-F27	2 82			.34	.23 .12	NO NO		53 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 39 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 95R			J12-9/I P73-F26	2 82				.22 .12	NO NO		50, 60, 58 49	
D 96	7				3.30 3.30	3.00 3.00				A,6A B,7	67, 70, 54 70	
D 96A	2		SHLD D96 E6-B	1				.25 .38	NO NO			
D 96L			J12-23/O P74-E24	2 84			.34	.23 .12	NO NO		53 49	
D 96R			J12-23/I P74-E23	2 84				.22 .12	NO NO		50, 60, 58 49	
D 97	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 97L			J12-19/O P73-F32	2 82			.34	.23 .12	NO NO		53 49	
D 97R			J12-19/I P73-F31	2 82				.22 .12	NO NO		50, 60, 58 49	
D 98	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 98L			J12-20/O P76-F25	2 91			.34	.23 .12	NO NO		53 49	
D 98R			J12-20/I P76-F24	2 91				.22 .12	NO NO		50, 60, 58 49	
D 99	7				3.80 3.80	3.50 3.50				B,7 B,7	70, 54 70	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 40 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 99L			J12-21/O P76-F27	2 91			.34	.23 .12	NO NO		53 49	
D 99R			J12-21/I P76-F26	2 91				.22 .12	NO NO		50, 60, 58 49	
D 100	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 100A	2		SHLD D100 E7-B	7				.25 .38	NO NO			
D 100L			J14-3 P75-F2	10 87				.15 .12	NO NO		64 49	
D 100R			J14-10 P75-F1	10 87				.15 .12	NO NO		64 49	
D 101	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 101A	2		SHLD D101 E7-B	7				.25 .38	NO NO			
D 101L			J14-12 P75-F4	10 87				.15 .12	NO NO		64 49	
D 101R			J14-13 P75-F3	10 87				.15 .12	NO NO		64 49	
D 102	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 102A	2		SHLD D102 E7-B	7				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 41 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 102L			J14-7 P75-F6	10 87				.15 .12	NO NO		64 49	
D 102R			J14-18 P75-F5	10 87				.15 .12	NO NO		64 49	
D 103	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 103A	2		SHLD D103 E7-B	7				.25 .38	NO NO			
D 103L			J14-8 P75-F8	10 87				.15 .12	NO NO		64 49	
D 103R			J14-9 P75-F7	10 87				.15 .12	NO NO		64 49	
D 104	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 104A	2		SHLD D104 E7-B	7				.25 .38	NO NO			
D 104L			J14-5 P75-F10	10 87				.15 .12	NO NO		64 49	
D 104R			J14-14 P75-F9	10 87				.15 .12	NO NO		64 49	
D 105	8				2.80 3.30	2.50 3.00				A,6A B,7	67, 70 70	
D 105A	2		SHLD D105 E7-B	7				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 42 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 105L			J14-16 P75-F12	10 87				.15 .12	NO NO		64 49	
D 105R			J14-17 P75-F11	10 87				.15 .12	NO NO		64 49	
D 106	11				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 106A	1		SHLD D106 J12-29/0	 2				.25 .23	NO NO		53, 54	
D 106B	2		J14-28 SHLD D106	10				.15 .25	NO NO		64	
D 106L			J12-28/0 J14-26	2 10			.34	.23 .15	NO NO		53 64	
D 106R			J12-28/I J14-25	2 10				.22 .15	NO NO		50, 60, 58 64	
D 106Y			J12-29/I J14-27	2 10				.22 .15	NO NO		50, 60, 58 64	
D 107	11				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 107A	1		SHLD D107 J12-31/0	 2				.25 .23	NO NO		53, 54	
D 107B	2		J14-32 SHLD D107	10				.15 .25	NO NO		64	
D 107L			J12-30/0 J14-30	2 10			.34	.23 .15	NO NO		53 64	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 43 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 107R			J12-30/I J14-29	2 10				.22 .15	NO NO		50, 60, 58 64	
D 107Y			J12-31/I J14-31	2 10				.22 .15	NO NO		50, 60, 58 64	
D 108	11				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 108A	1		SHLD D108 J12-33/0	 2				.25 .23	NO NO		53, 54	
D 108B	2		J14-36 SHLD D108	10				.15 .25	NO NO		64	
D 108L			J12-32/0 J14-34	2 10			.34	.23 .15	NO NO		53 64	
D 108R			J12-32/I J14-33	2 10				.22 .15	NO NO		50, 60, 58 64	
D 108Y			J12-33/I J14-35	2 10				.22 .15	NO NO		50, 60, 58 64	
D 109	12				2.80 3.30	2.50 3.00				B,7 B,7	70 70	
D 109L			J12-55 J14-24	2 10				.22 .15	NO NO		55 64	
D 109R			J12-53 J14-43	2 10				.22 .15	NO NO		55 64	
D 109Y			J12-54 J14-44	2 10				.22 .15	NO NO		55 64	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 44 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 110	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 110L			J12-34/0 J14-2	2 10			.34	.23 .15	NO NO		53 64	
D 110R			J12-34/I J14-1	2 10				.22 .15	NO NO		50, 60, 58 64	
D 111	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 111L			J12-35/0 J14-37	2 10			.34	.23 .15	NO NO		53 64	
D 111R			J12-35/I J14-19	2 10				.22 .15	NO NO		50, 60, 58 64	
D 112	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 112L			J12-36/0 J14-42	2 10			.34	.23 .15	NO NO		53 64	
D 112R			J12-36/I J14-41	2 10				.22 .15	NO NO		50, 60, 58 64	
D 113	2		J14-23 E7-B	10 7				.15 .38	NO NO		64	
D 114	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 114L			J12-46/0 J17-G	2 14			.34	.23 .18	NO NO		53 73	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 45 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 114R			J12-46/I J17-F	2 14				.22 .18	NO NO		50, 60, 58 73	
D 115	2		J12-51 J23-50	2 15				.22 .15	NO NO		55 63	
D 116	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 116L			J12-48/0 J23-28	2 15			.34	.23 .15	NO NO		53 63	
D 116R			J12-48/I J23-49	2 15				.22 .15	NO NO		50, 60, 58 63	
D 117	7				3.80 3.30	3.50 3.00				B,7 B,7	70, 54 70	
D 117L			J12-49/0 J23-34	2 15			.34	.23 .15	NO NO		53 63	
D 117R			J12-49/I J23-57	2 15				.22 .15	NO NO		50, 60, 58 63	
D 118	7				3.80 3.30	3.50 3.00				B,7 B,7	70, 54 70	
D 118L			J12-47/0 J17-J	2 14			.34	.23 .15	NO NO		53 73	
D 118R			J12-47/I J17-K	2 14				.22 .15	NO NO		50, 60, 58 73	
D 119	3		J12-41 E6-B	2 1				.22 .38	NO NO		55	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 46 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 120	7				2.30 3.30	2.00 3.00				A,6A A,6B	67, 70, 54 67, 70	
D 120A	2		SHLD D120 E6-B	1				.25 .38	NO NO			
D 120B	2		J23-73 SHLD D120	15				.15 .25	NO NO		63	
D 120L			J12-43/O J23-58	2 15			.34	.23 .15	NO NO		53 63	
D 120R			J12-43/I J23-82	2 15				.22 .15	NO NO		50, 60, 58 63	
D 121	7				2.30 3.30	2.00 3.00				A,6A A,6B	67, 70, 54 67, 70	
D 121A	2		SHLD D121 E6-B	1				.25 .38	NO NO			
D 121B	2		J23-74 SHLD D121	15				.15 .25	NO NO		63	
D 121L			J12-42/O J23-59	2 15			.34	.23 .15	NO NO		53 63	
D 121R			J12-42/I J23-84	2 15				.22 .15	NO NO		50, 60, 58 63	
D 122	7				2.30 3.30	2.00 3.00				A,6A A,6B	67, 70, 54 67, 70	
D 122A	2		SHLD D122 E6-B	1				.25 .38	NO NO			

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 47 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 122B	2		J23-75 SHLD D122	15				.15 .25	NO NO		63	
D 122L			J12-40/O J23-61	2 15			.34	.23 .15	NO NO		53 63	
D 122R			J12-40/I J23-85	2 15				.22 .15	NO NO		50, 60, 58 63	
D 123	7				2.30 3.30	2.00 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 123A	2		SHLD D123 J15-18	9				.25 .15	NO NO		64	
D 123B	2		E19-B SHLD D123	38				.38 .25	NO NO			
D 123L			J15-36 J51-1/O	9 39			.34	.15 .23	NO NO		64 53	
D 123R			J15-19 J51-1/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 124	7				2.30 3.30	2.00 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 124A	2		SHLD D124 J15-15	9				.25 .15	NO NO		64	
D 124B	2		E19-B SHLD D124	38				.38 .25	NO NO			
D 124L			J15-31 J51-2/O	9 39			.34	.15 .23	NO NO		64 53	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 48 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 124R			J15-30 J51-2/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 125	7				2.30 3.30	2.00 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 125A	2		SHLD D125 J15-1	9				.25 .15	NO NO		64	
D 125B	2		E19-B SHLD D125	38				.38 .25	NO NO			
D 125L			J15-5 J51-3/O	9 39			.34	.15 .23	NO NO		64 53	
D 125R			J15-4 J51-3/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 126	7				2.30 3.30	2.00 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 126A	2		SHLD D126 J15-26	9				.25 .15	NO NO		64	
D 126B	2		E19-B SHLD D126	38				.38 .25	NO NO			
D 126L			J15-11 J51-4/O	9 39			.34	.15 .23	NO NO		64 53	
C 126R			J15-25 J51-4/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 127	7				2.30 3.30	2.00 3.00				A,6B A,6A	67, 70 67, 70, 54	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 49 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 127A	2		SHLD D127 J15-16	9				.25 .15	NO NO		64	
D 127B	2		E19-B SHLD D127	38				.38 .25	NO NO			
D 127L			J15-33 J51-5/O	9 39			.34	.15 .23	NO NO		64 53	
D 127R			J15-17 J51-5/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 128	7				2.80 3.30	2.50 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 128A	2		SHLD D128 J15-13	9				.25 .15	NO NO		64	
C 128B	2		E19-B SHLD D128	38				.38 .25	NO NO			
D 128L			J15-28 J51-6/O	9 39			.34	.15 .23	NO NO		64 53	
D 128R			J15-27 J51-6/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 129	7				2.80 3.30	2.50 3.00				A,6B A,6A	67, 70 67, 70, 54	
D 129A	2		SHLD D129 J15-9	39				.25 .15	NO NO		64	
D 129B	2		E19-B SHLD D129	38				.38 .25	NO NO			

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 50 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 PK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 129L			J15-23 J51-7/O	9 39			 .34	.15 .23	NO NO		64 53	
D 129R			J15-22 J51-7/I	9 39				.15 .22	NO NO		64 50, 60, 58	
D 130	8				2.30 2.30	2.00 2.00				A,6B A,6B	67, 70 67, 70	
D 130A	2		SHLD D130 J16-33	 8				.25 .15	NO NO		 63	
D 130B	2		J24-B* SHLD D130	23				.22 .25	NO NO		62	
D 130L			J16-32 J24-NN	8 23				.15 .22	NO NO		63 62	
D 130R			J16-31 J24-PP	8 23				.15 .22	NO NO		63 62	
D 131	8				2.30 2.30	2.00 2.00				A,6B A,6B	67, 70 67, 70	
D 131A	2		SHLD D131 J16-30	 8				.25 .15	NO NO		 63	
D 131B	2		J24-P SHLD D131	23				.22 .25	NO NO		62	
D 131L			J16-29 J24-LL	8 23				.15 .22	NO NO		63 62	
D 131R			J16-28 J24-MM	8 23				.15 .22	NO NO		63 62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR PK	SHEET 51 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 PK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 132	8				2.30 2.30	2.00 2.00				A,6B A,6B	67, 70 67, 70	
D 132A	2		SHLD D132 J16-27	 8				.25 .15	NO NO		 63	
D 132B	2		J24-E SHLD D132	23				.22 .25	NO NO		62	
D 132L			J16-26 J24-JJ	8 23				.15 .22	NO NO		63 62	
D 132R			J16-25 J24-KK	8 23				.15 .22	NO NO		63 62	
D 133	2		J16-79 P79-E1	8 79				.15 .12	NO NO		63 49	
D 134	2		J16-76 P79-E2	8 79				.15 .12	NO NO		63 49	
D 135	2		J16-77 TB2-13	8 129				.15 .19	NO NO		63 83	
D 136	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 136A	2		SHLD D136 J16-6	 8				.25 .15	NO NO		 63	
D 136B	2		P79-E5 SHLD D136	79				.12 .25	NO NO		49	
D 136L			J16-5 P79-E4	8 79				.15 .12	NO NO		63 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR PK	SHEET 52 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 PK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 136R			J16-4 P79-E3	8 79				.15 .12	NO NO		63 49	
D 137	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
C 137A	2		SHLD D137 J16-3	 8				.25 .15	NO NO		 63	
D 137B	2		P79-E8 SHLD D137	79				.12 .25	NO NO		49	
D 137L			J16-2 P79-E7	8 79				.15 .12	NO NO		63 49	
D 137R			J16-1 P79-E6	8 79				.15 .12	NO NO		63 49	
D 138	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
C 138A	2		SHLD D138 J16-12	 8				.25 .15	NO NO		 63	
D 138B	2		P79-E11 SHLD D138	79				.12 .25	NO NO		49	
D 138L			J16-11 P79-E10	8 79				.15 .12	NO NO		63 49	
D 138R			J16-10 P79-E9	8 79				.15 .12	NO NO		63 49	
D 139	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR PK	SHEET 53 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 PK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 139A	2		SHLD D139 J16-9	 8				.25 .15	NO NO		 63	
D 139B	2		P79-E14 SHLD D139	79				.12 .25	NO NO		49	
D 139L			J16-8 P79-E13	8 79				.15 .12	NO NO		63 49	
D 139R			J16-7 P79-E12	8 79				.15 .12	NO NO		63 49	
D 140	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 140A	2		SHLD D140 J16-18	 8				.25 .15	NO NO		 63	
D 140B	2		P73-A14 SHLD D140	68				.12 .25	NO NO		49	
D 140L			J16-17 P73-A13	8 68				.15 .12	NO NO		63 49	
D 140R			J16-16 P73-A12	8 68				.15 .12	NO NO		63 49	
D 141	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 141A	2		SHLD D141 J16-15	 8				.25 .15	NO NO		 63	
C 141B	2		P73-A11 SHLD D141	68				.12 .25	NO NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR PK	SHEET 54 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 141L			J16-14 P73-A10	8 68				.15 .12	NO NO		63 49	
D 141R			J16-13 P73-A9	8 68				.15 .12	NO NO		63 49	
D 142	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 142A	2		SHLD D142 J16-24	 8				.25 .15	NO NO		63	
D 142B	2		P73-A20 SHLD D142	68				.12 .25	NO NO		49	
D 142L			J16-23 P73-A19	8 68				.15 .12	NO NO		63 49	
D 142R			J16-22 P73-A18	8 68				.15 .12	NO NO		63 49	
D 143	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 143A	2		SHLD D143 J16-21	 8				.25 .15	NO NO		63	
D 143B	2		P73-A17 SHLD D143	68				.12 .25	NO NO		49	
D 143L			J16-20 P73-A16	8 68				.15 .12	NO NO		63 49	
D 143R			J16-19 P73-A15	8 68				.15 .12	NO NO		63 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 55 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 144	2		J16-63 A2-8	8 179				.15 .25	NO YES		63	
D 145	2		J16-64 A2-12	8 180A				.15 .25	NO YES		63	
D 146	2		J16-78 P79-E20	8 79				.15 .12	NO NO		63 49	
D 147	8				3.30 3.30	3.00 3.00				A,6A B,7	67, 70 70	
D 147A	2		SHLD D147 E14-8	 34				.25 .38	NO NO			
D 147L			J16-74 P75-F14	8 87				.15 .12	NO NO		63 49	
D 147R			J16-73 P75-F13	8 87				.15 .12	NO NO		63 49	
D 148	2		J16-67 P74-F31	8 85				.15 .12	NO NO		63 49	
D 149	2		J16-68 P74-F32	8 85				.15 .12	NO NO		63 49	
D 150	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 150A	2		SHLD D150 E9-B	 6				.25 .38	NO NO			
D 150W			J16-83 K58-1	8 185				.15 .19	NO YES		63 92	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 56 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 151	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 151A	2		SHLD D151 J16-36	 8				.25 .15	NO NO		63	
D 151B	2		J24-A* SHLD D151	23				.22 .25	NO NO		62	
D 151L			J16-35 J24-GG	8 23				.15 .22	NO NO		63 62	
D 151R			J16-34 J24-HH	8 23				.15 .22	NO NO		63 62	
D 152	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 152A	2		SHLD D152 J16-39	 8				.25 .15	NO NO		63	
D 152B	2		J24-V SHLD D152	23				.22 .25	NO NO		62	
D 152L			J16-38 J24-EE	8 23				.15 .22	NO NO		63 62	
D 152R			J16-37 J24-FF	8 23				.15 .22	NO NO		63 62	
D 153	8				3.80 3.30	3.50 3.00				A,6B A,6B	67, 70 67, 70	
D 153A	2		SHLD D153 J16-42	 8				.25 .15	NO NO		63	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 57 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 153B	2		P80-F19 SHLD D153	83				.12 .25	NO NO		49	
D 153L			J16-41 P80-F18	8 83				.15 .12	NO NO		63 49	
D 153R			J16-40 P80-F17	8 83				.15 .12	NO NO		63 49	
D 154	8				3.80 3.30	3.50 3.00				A,6B A,6B	67, 70 67, 70	
D 154A	2		SHLD D154 J16-45	 8				.25 .15	NO NO		63	
D 154B	2		P80-F22 SHLD D154	83				.12 .25	NO NO		49	
D 154L			J16-44 P80-F21	8 83				.15 .12	NO NO		63 49	
D 154R			J16-43 P80-F20	8 83				.15 .12	NO NO		63 49	
D 155	8				3.80 3.30	3.50 3.00				A,6B A,6A	67, 70 67, 70	
D 155A	2		SHLD D155 J16-72	 8				.25 .15	NO NO		63	
D 155B	2		TB4-2 SHLD D155	151				.19 .25	NO NO		83	
D 155L			J16-71 J56-B*	8 41				.15 .22	NO NO		63 61	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 58 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 155R			J16-70 J56-A*	8 41				.15 .22	NO NO		63 61	
D 156	2		J16-69 E9-B	8 6				.15 .38	NO NO		63	
D 157	2		J16-81 E7-B	8 7				.15 .38	NO NO		63	
D 158	2		J16-84 E9-B	8 6				.15 .38	NO NO		63	
D 159	2		J16-85 E9-B	8 6				.15 .38	NO NO		63	
D 160	2		J16-57 J27-S	8 19				.15 .22	NO NO		63 61	
D 161	2		J16-61 J27-V	8 19				.15 .22	NO NO		63 61	
D 162	2		J16-58 J27-R	8 19				.15 .22	NO NO		63 61	
D 163	2		J16-59 J27-U	8 19				.15 .22	NO NO		63 61	
D 164	2		J16-60 J27-T	8 19				.15 .22	NO NO		63 61	
D 165	2		J16-49 P80-F14	8 83				.15 .12	NO NO		63 49	
D 166	2		J16-48 P80-F16	8 83				.15 .12	NO NO		63 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 59 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 167	2		J16-47 P80-F15	8 83				.15 .12	NO NO		63 49	
D 168	2		J16-50 P80-F4	8 83				.15 .12	NO NO		63 49	
D 169	10				2.30 3.30	2.00 3.00				A,6A B,7	67, 68 68	
D 169A	2		SHLD D169 E11-B	 17				.25 .38	NO NO			
D 169L			J17-T P75-F24	14 86				.18 .22 ~~.12~~	NO NO		73 ~~49~~ 98	
D 169R			J17-S P75-F23	14 86				.18 .22 ~~.12~~	NO NO		73 ~~49~~ 98	
D 170	14				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 68 68	
D 170A	2		SHLD D170 E10-B	 16				.25 .38	NO NO			
D 170L			J17-E E4	14 117				.18 .31	NO YES		73	
D 170R			J17-D E5	14 117				.18 .31	NO YES		73	
D 170Y			J17-W R1-2	14 117				.18 .31	NO YES		73	
D 171	4		J17-~~L~~ A* R2-2	14 117				.18 .31	NO YES		73	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 60 OF ~~157~~ 160

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 172	4		J17-~~M~~ B* R2-2	14 117				.18 .31	NO YES		73	
D 173	14				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 68 68	
D 173A	2		SHLD D173 E10-B	 16				.25 .38	NO NO			
D 173L			J17-C P75-F26	14				.18 .22 ~~.12~~	NO NO		73 98	
D 173R			J17-B P75-F25	14				.18 .22 ~~.12~~	NO NO		73 98	
D 173Y			J17-V P75-F27	14 87				.18 .22 ~~.12~~	NO NO		73 98	
D 174	4		J17-Y ~~P79-F28~~ J11-18	14 ~~79~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 175	4		J17-U ~~P79-F28~~ J11-20	14 ~~80~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 176	4		J17-F* ~~P79-A28~~ J11-22	14 ~~65~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 177	3		J17-H E10-B	14 16				.18 .38	NO NO		73	
D 178	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 178A	2		SHLD D178 J18-U	 13				.25 .22	NO NO		 62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 61 OF ~~157~~ 160

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 178B	2		J54-6 SHLD D178	43				.22 .25	NO NO		55	
D 178L			J18-T J54-5	13 43				.22 .22	NO NO		62 55	
D 178R			J18-S J54-4	13 43				.22 .22	NO NO		62 55	
D 179	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 179A	2		SHLD D179 J18-N	 13				.25 .22	NO NO		 62	
D 179B	2		J54-3 SHLD D179	43				.22 .25	NO NO		55	
D 179L			J18-M J54-2	13 43				.22 .22	NO NO		62 55	
D 179R			J18-L J54-1	13 43				.22 .22	NO NO		62 55	
D 180	15				2.80 .56	2.50 .25				A,6B B,9	67, 69	
D 180A	2		SHLD D180 J18-R	 13				.25 .22	NO NO		 62	
D 180E			J18-P J54-7/I	13 43				.22 .23	NO NO		62 50, 60, 58	
D 180X			SHLD D180 J54-7/O	 43			 .34	 .23	 NO		 53, 54	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 62 OF ~~157~~ 160

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 181	3		J18-V ~~XF26-1~~ P79-E29	13 ~~115~~ 79				.22 ~~.31~~ .12	NO ~~YES~~ NO		62 49	
D 182	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 182A	1		SHLD D182 J19-25/I	 12				.25 .22	NO NO		 50, 60, 58	
D 182L			J19-24/O J57-14/O	12 48			.34 .34	.23 .23	NO NO		53 51	
D 182R			J19-24/I J57-14/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 183	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 183A	1		SHLD D183 J19-16/I	 12				.25 .22	NO NO		 50, 60, 58	
D 183L			J19-15/O J57-41/O	12 48			.34 .22	.23 .23	NO NO		53 51	
D 183R			J19-15/I J57-41/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 184	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 184A	1		SHLD D184 J19-16/O	 12			 .34	.25 .23	NO NO		 53	
D 184L			J19-17/O J57-42/O	12 48			.34 .22	.23 .23	NO NO		53 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 63 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 184R			J19-17/I J57-42/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 185	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 185A	1		SHLD D185 J19-19/I	 12				.25 .22	NO NO		 50, 60, 58	
D 185L			J19-18/O J50-13/O	12 40			.34 .34	.23 .23	NO NO		53, 58 53, 58	
D 185R			J19-18/I J50-13/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 186	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 186A	1		SHLD D186 J19-19/O	 12			 .34	.25 .23	NO NO		 53, 54	
D 186L			J19-20/O J50-14/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 186R			J19-20/I J50-14/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 187	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 187A	1		SHLD D187 J19-11/I	 12				.25 .22	NO NO		 50, 60, 58	
D 187L			J19-10/O J50-17/O	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 64 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 187R			J19-10/I J50-17/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 188	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 188A	1		SHLD D188 J19-22/I	 12				.25 .22	NO NO		 50, 60, 58	
D 188L			J19-21/O J50-15/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 188R			J19-21/I J50-15/I	12 40				.22 .22	NO NO		50, 60 50, 60	
D 189	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 189A	1		SHLD D189 J19-22/O	 12				.25 .23	NO NO		 53, 54	
D 189L			J19-23/O J50-16/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 189R			J19-23/I J50-16/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 190	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 190A	1		SHLD D190 J19-25/O	 12				.25 .23	NO NO		 53, 54	
D 190L			J19-26/O J57-45/O	12 40			.34 .22	.23 .23	NO NO		53 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 65 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 190R			J19-26/I J57-45/I	12 40				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 191	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 191A	1		SHLD D191 J19-2/I	 12				.25 .22	NO NO		 50, 60, 58	
D 191L			J19-1/O J50-1/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 191R			J19-1/I J50-1/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 192	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 192A	1		SHLD D192 J19-2/O	 12				.25 .23	NO NO		 53, 54	
D 192L			J19-3/O J50-2/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 192R			J19-3/I J50-2/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 193	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 193A	1		SHLD D193 J19-5/I	 12				.25 .22	NO NO		 50, 60, 58	
D 193L			J19-4/O J50-3/O	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 66 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 193R			J19-4/I J50-3/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 194	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 194A	1		SHLD D194 J19-5/O	 12				.25 .23	NO NO		53, 54	
D 194L			J19-6/O J50-4/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 194R			J19-6/I J50-4/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 195	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 195A	1		SHLD D195 J19-8/I	 12				.25 .22	NO NO		50, 60, 58	
D 195L			J19-7/O J50-5/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 195R			J19-7/I J50-5/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 196	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 196A	1		SHLD D196 J19-8/O	 12				.25 .23	NO NO		53, 54	
D 196L			J19-9/O J50-6/O	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 67 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 196R			J19-9/I J50-6/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 197	7				3.80 3.80	3.50 3.50				A,6B B,7	67, 70, 54 70, 54	
D 197A	1		SHLD D197 J19-11/O	 12				.25 .23	NO NO		53, 54	
D 197L			J19-12/O J50-7/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 197R			J19-12/I J50-7/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 198	7				3.80 3.80	3.50 3.50				A,6B B,7	67, 70, 54 70, 54	
D 198A	2		SHLD D198 J19-14	 12				.25 .22	NO NO		55	
D 198L			J19-13/O J50-8/O	12 40			.34 .34	.23 .23	NO NO		53 53	
D 198R			J19-13/I J50-8/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 199	1		J19-40/I J62-D*	12 55				.22 .22	NO NO		50, 60, 58 61	
D 200	1		J19-40/O J62-F*	12 55				.23 .22	NO NO		53, 54 61	
D 201	11				3.80 3.80	3.50 3.50				B,7 B,7	70, 54 70	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 68 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 201L			J19-31/O J60-DD	12 44			.34	.23 .22	NO NO		53 61	
D 201R			J19-31/I J60-T	12 44				.22 .22	NO NO		50, 60, 58 61	
D 201Y			J19-32 J60-S	12 44				.22 .22	NO NO		55 61	
D 202	1		J16-80 P80-F6	12 83				.15 .12	NO NO		63 49	
D 203	1		J19-42/O J60-AA	12 44				.23 .22	NO NO		53, 54 61	
D 204	1		J19-42/I J55-DD	12 42				.22 .22	NO NO		50, 60, 58 62	
D 205	1		J19-27/I J66-W	12 60				.22 .22	NO NO		50, 60, 58 62	
D 206	1		J19-27/O J66-T	12 60				.23 .22	NO NO		53, 54 62	
D 207	1		J19-38/I J60-L	12 44				.22 .22	NO NO		50, 60, 58 61	
D 208	1		J19-38/O J66-X	12 60				.23 .22	NO NO		53, 54 62	
D 209	1		J19-41[illegible] J59-D	12 45				.22 .22	NO NO		~~50, 60, 58~~ 55 61	
D 210	1		~~J19-41/O~~ J16-54 A2-45	~~12~~ 8 172				~~.23~~ .15 .31	NO YES		~~53, 54~~ 63	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 69 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 211	1		J19-39 XF8-1	12 99				.22 .31	NO YES		55	
D 212	1		J19-29 J55-EE	12 42				.22 .22	NO NO		55 62	
D 213	1		J19-46/I J62-N	12 55				.22 .22	NO NO		50, 60, 58 61	
D 214	1		J19-46/O J62-P	12 55				.23 .22	NO NO		53, 54 61	
D 215	1		J19-47/I J60-P	12 44				.22 .22	NO NO		50, 60, 58 61	
D 216	1		J19-47/O J55-E	12 42				.23 .22	NO NO		53, 54 62	
D 217	1		J19-48/I J55-D	12 42				.22 .22	NO NO		50, 60, 58 62	
D 218	1		J19-48/O J60-R	12 44				.23 .22	NO NO		53, 54 61	
D 219	1		J19-45/I J55-F	12 42				.22 .22	NO NO		50, 60, 58 62	
D 220	1		J19-45/O J55-G	12 42				.23 .22	NO NO		53, 54 62	
D 221	1		J19-33/I J62-BB	12 55				.22 .22	NO NO		50, 60, 58 61	
D 222	1		J19-33/O J62-CC	12 55				.23 .22	NO NO		53, 54 61	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 70 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 223	1		J19-35/I J62-EE	12 55				.22 .22	NO NO		50, 60, 58 61	
D 224	1		J19-35/0 J62-FF	12 55				.23 .22	NO NO		53, 54 61	
D 225	1		J19-36/I J62-Y*	12 55				.22 .22	NO NO		50, 60, 58 61	
D 226	1		J19-36/0 J62-X*	12 55				.23 .22	NO NO		53, 54 61	
D 227	3		J19-37 P80-E7	12 81				.22 .12	NO NO		55 49	
D 228	1		J19-43/I P79-F1	12 80				.22 .12	NO NO		50, 60, 58 49	
D 229	1		J19-43/0 P80-E6	12 81				.23 .12	NO NO		53, 54 49	
D 230	5				3.80 3.80	3.50 3.50				A, 6A B, 7	67, 71 71	
D-230A	1		SHLD D230 E10-B	 16				.25 .38	NO NO			
D 230W			J19-50/0 K58-1	12 185				.23 .19	NO YES		53, 54	
D 231	7				2.30 2.30	2.00 2.00				A, 6B B, 7	67, 70, 54 70, 54	
D 231A	1		SHLD D231 J20-32	 11				.25 .23	NO NO		56	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 71 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 231L			J20-31/0 J50-9/0	11 40			.22 .34	.23 .23	NO NO		51 53	
D 231R			J20-31/I J50-9/I	11 40				.23 .23	NO NO		52, 57, 58 50, 60, 58	
D 232	7				2.30 2.30	2.00 2.00				A, 6B B, 7	67, 70, 54 70, 54	
D 232A	1		SHLD D232 J20-17/I	 11				.25 .23	NO NO		52, 57, 58	
D 232L			J20-16/0 J57-15/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 232R			J20-16/I J57-15/I	11 48				.23 .23	NO NO		52, 57, 58 52, 57, 58	
D 233	7				2.30 2.30	2.00 2.00				A, 6B B, 7	67, 70, 54 70, 54	
D 233A	1		SHLD D233 J20-17/0	 11				.25 .23	NO NO		51, 54	
D 233L			J20-18/0 J57-16/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 233R			J20-18/I J57-16/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 234	7				2.30 2.30	2.00 2.00				A, 6B B, 7	67, 70, 54 70, 54	
D 234A	1		SHLD D234 J20-20/I	 11				.25 .22	NO NO		52, 57, 58	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 72 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 234L			J20-19/0 J57-17/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 234R			J20-19/I J57-17/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 235	7				2.30 2.30	2.00 2.00				A, 6B B, 7	67, 70, 54 70, 54	
D 235A	1		SHLD D235 J20-20/0	 11				.25 .23	NO NO		51, 54	
D 235L			J20-21/0 J57-19/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 235R			J20-21/I J57-19/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 236	7				2.80 2.80	2.50 2.50				A, 6B B, 7	67, 70, 54 70, 54	
D 236A	1		SHLD D236 J20-23/I	 11				.25 .22	NO NO		52, 57, 58	
D 236L			J20-22/0 J57-20/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 236R			J20-22/I J57-20/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 237	7				2.80 2.80	2.50 2.50				A, 6B B, 7	67, 70, 54 70, 54	
D 237A	1		SHLD D237 J20-23/0	 11				.25 .23	NO NO		51, 54	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 73 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 237L			J20-24/0 J57-18/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 237R			J20-24/I J57-18/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 238	7				2.80 2.80	2.50 2.50				A, 6B B, 7	67, 70, 54 70, 54	
D 238A	1		SHLD D238 J20-2/I	 11				.25 .22	NO NO		52, 57, 58	
D 238L			J20-1/0 J57-1/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 238R			J20-1/I J57-1/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 239	7				2.80 2.80	2.50 2.50				A, 6B B, 7	67, 70, 54 70, 54	
D 239A	1		SHLD D239 J20-2/0	 11				.25 .23	NO NO		51, 54	
D 239L			J20-3/0 J57-2/0	11 48			.22 .22	.23 .23	NO NO		51 51	
D 239R			J20-3/I J57-2/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 240	7				2.80 2.80	2.50 2.50				A, 6B B, 7	67, 70, 54 70, 54	
D 240A	1		SHLD D240 J20-5/I	 11				.25 .22	NO NO		52, 57, 58	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 74 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 240L			J20-4/O J57-3/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 240R			J20-4/I J57-3/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 241	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 241A	1		SHLD D241 J20-5/O	 11				.25 .23	NO NO		 51, 54	
D 241L			J20-6/O J57-4/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 241R			J20-6/I J57-4/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 242	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 242A	1		SHLD D242 J20-8/I	 11				.25 .22	NO NO		 52, 57, 58	
D 242L			J20-7/O J57-5/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 242R			J20-7/I J57-5/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 243	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 243A	1		SHLD D243 J20-8/O	 11				.25 .23	NO NO		 51, 54	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 75 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 243L			J20-9/O J57-6/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 243R			J20-9/I J57-6/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 244	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70	
D 244A	1		SHLD D244 J20-42/I	 11				.25 .22	NO NO		 52, 57, 58	
D 244B	2		J24-R SHLD D244	23				.22 .25	NO NO		62	
D 244L			J20-41/O J24-CC	11 23			.22	.23 .22	NO NO		51 62	
D 244R			J20-41/I J24-DD	11 23				.22 .22	NO NO		52, 57, 58 62	
D 245	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70	
D 245A	1		SHLD D245 J20-42/O	 11				.25 .23	NO NO		 51, 54	
D 245B	2		J24-L SHLD D245	23				.22 .25	NO NO		62	
D 245L			J20-43/O J24-AA	11 23			.22	.25 .22	NO NO		51 62	
D 245R			J20-43/I J24-BB	11 23				.22 .22	NO NO		52, 57, 58 62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 76 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 246	7				3.80 3.80	3.50 3.50				A,6B B,7	67, 70, 54 70	
D 246A	1		SHLD D246 J20-45	 11				.25 .22	NO NO		 56	
D 246B	2		J24-G SHLD D246	23				.22 .25	NO NO		62	
D 246L			J20-44/O J24-Y*	11 23			.22	.23 .22	NO NO		51 62	
D 246R			J20-44/I J24-Z*	11 23				.22 .22	NO NO		52, 57, 58 62	
D 247	1		J20-35/I J60-BB	11 44				.22 .22	NO NO		52, 57, 58 61	
D 248	1		J20-35/O J60-M	11 44				.23 .22	NO NO		51 61	
D 249	7				2.80 2.80	2.50 2.50				B,7 B,7	70, 54 70	
D 249L			J20-36/O J60-FF	11 44			.22	.23 .22	NO NO		51 61	
D 249R			J20-36/I J60-N	11 44				.22 .22	NO NO		52, 57, 58 61	
D 250	11				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 250L			J20-33/O J60-GG	11 44			.22	.23 .22	NO NO		51 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 77 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 250R			J20-33/I J60-EE	11 44				.22 .22	NO NO		52, 70, 58 61	
D 250Y			J20-34 J60-Z*	11 44				.22 .22	NO NO		56 61	
D 251	11				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 251L			J20-37/O J60-Y*	11 44			.22	.23 .22	NO NO		51 61	
D 251R			J20-37/I J60-J	11 44				.22 .22	NO NO		52, 57, 58 61	
D 251Y			J20-38 J60-K	11 44				.22 .22	NO NO		56 61	
D 252	1		J20-39/I J59-F	11 45				.22 .22	NO NO		52, 57, 58 61	
D 253	1		J20-39/O J59-E	11 45				.23 .22	NO NO		51, 54 61	
D 254	1		J20-40/I K63-6	11 190				.22 .19	NO YES		52, 57, 58 92	
D 255	1		J20-40/O K64-6	11 191				.23 .19	NO YES		51, 54 92	
D 256	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 70	
D 256A	1		SHLD D256 J20-47/I	 11				.25 .22	NO NO		 52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 78 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 256B	2		P80-E19 SHLD D256	81				.12 .25	NO NO		49	
D 256L			J20-46/O P80-E18	11 81			.22	.23 .12	NO NO		51 49	
D 256R			J20-46/I P80-E17	11 81				.22 .12	NO NO		52, 57, 58 49	
D 257	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 70	
D 257A	1		SHLD D257 J20-47/O	 11				.25 .23	NO NO		 51, 54	
D 257B	2		P80-E22 SHLD D257	81				.12 .25	NO NO		49	
D 257L			J20-48/O P80-E21	11 81			.22	.23 .12	NO NO		51 49	
D 257R			J20-48/I P80-E20	11 81				.22 .12	NO NO		52, 57, 58 49	
D 258	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 258A	1		SHLD D258 J20-26/I	 11				.25 .22	NO NO		 52, 57, 58	
D 258L			J20-25/O J57-47/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 258R			J20-25/I J57-47/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 79 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 259	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 259A	1		SHLD D259 J20-26/O	 11				.25 .23	NO NO		 51 , 54	
D 259L			J20-27/O J57-49/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 259R			J20-27/I J57-49/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 260	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 260A	1		SHLD D260 J20-29/I	 11				.25 .22	NO NO		 52, 57, 58	
D 260L			J20-28/O J57-50/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 260R			J20-28/I J57-50/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 261	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 261A	1		SHLD D261 J20-29/O	 11				.25 .23	NO NO		 51 , 54	
D 261L			J20-30/O J57-48/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 261R			J20-30/I J57-48/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 80 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 262	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 262A	1		SHLD D262 J20-11/I	 11				.25 .22	NO NO		 52, 57, 58	
D 262L			J20-10/O J57-35/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 262R			J20-10/I J57-35/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 263	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 263A	1		SHLD D263 J20-11/O	 11				.25 .23	NO NO		 51 , 54	
D 263L			J20-12/O J57-36/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 263R			J20-12/I J57-36/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 264	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 264A	1		SHLD D264 J20-14/I	 11				.25 .22	NO NO		 52, 57, 58	
D 264L			J20-13/O J57-33/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 264R			J20-13/I J57-33/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 81 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 265	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 265A	1		SHLD D265 J20-14/O	 11				.25 .23	NO NO		 51 , 54	
D 265L			J20-15/O J57-34/O	11 48			.22 .22	.23 .23	NO NO		51 51	
D 265R			J20-15/I J57-34/I	11 48				.22 .22	NO NO		52, 57, 58 52, 57, 58	
D 266	2		J16-75 XF14-1	8 104				.15 .31	NO YES		63	
D 267	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70 70, 54	
D 267A	2		SHLD D267 J23-17	 15				.25 .15	NO NO		 63	
D 267L			J23-33 J50-12/O	15 40			 .22	.15 .23	NO NO		63 53	
D 267R			J23-16 J50-12/I	15 40				.15 .22	NO NO		63 50, 60, 58	
D 268	7				2.80 2.80	2.50 2.50				B,7 B,7	70, 54 70	
D 268L			J12-50/O J23-8	2 15			.34	.23 .15	NO NO		53 63	
D 268R			J12-50/I J23-7	2 15				.22 .15	NO NO		50, 60, 58 63	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 82 OF ~~157~~ 160

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 269	7				2.80 2.80	2.50 2.50				B,7 B,7	70, 54 70	
D 269L			J12-39/O J23-6	2 15			.34	.23 .15	NO NO		53 63	
D 269R			J12-39/I J23-5	2 15				.22 .15	NO NO		50, 60, 58 63	
D 270	7				2.80 2.80	2.50 2.50				B,7 B,7	70, 54 70	
D 270L			J12-38/O J23-4	2 15			.34	.23 .15	NO NO		53 63	
D 270R			J12-38/I J23-3	2 15				.22 .15	NO NO		50, 60, 58 63	
D 271	7				2.80 2.80	2.50 2.50				B,7 B,7	70, 54 70	
D 271L			J12-37/O J23-1	2 15			.34	.23 .15	NO NO		53 63	
D 271R			J12-37/I J23-2	2 15				.22 .15	NO NO		50, 60, 58 63	
D 272	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 272A	2		SHLD D272 J23-9	15				.25 .15	NO NO		63	
D 272L			J23-21 J57-25/O	15 48			.22	.15 .23	NO NO		63 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 83 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 272R			J23-22 J57-25/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 273	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 273A	2		SHLD D273 J23-24	15				.25 .15	NO NO		63	
D 273L			J23-23 J57-26/O	15 48			.22	.15 .23	NO NO		63 51	
D 273R			J23-10 J57-26/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 274	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 274A	2		SHLD D274 J23-26	15				.25 .15	NO NO		63	
D 274L			J23-25 J57-27/O	15 48			.22	.15 .23	NO NO		63 51	
D 274R			J23-11 J57-27/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 275	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 275A	2		SHLD D275 J23-13	15				.25 .15	NO NO		63	
D 275L			J23-27 J57-29/O	15 48			.22	.15 .23	NO NO		63 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 84 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 275R			J23-12 J57-29/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 276	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 276A	2		SHLD D276 J23-30	15				.25 .15	NO NO		63	
D 276L			J23-29 J57-30/O	15 48			.22	.15 .23	NO NO		63 51	
D 276R			J23-14 J57-30/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 277	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 277A	2		SHLD D277 J23-32	15				.25 .15	NO NO		63	
D 277L			J23-31 J57-28/O	15			.22	.15 .23	NO NO		63 51	
D 277R			J23-15 J57-28/I	15 48				.15 .22	NO NO		63 52, 57, 58	
D 278	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 278A	2		SHLD D278 J23-36	15				.25 .15	NO NO		63	
D 278B	2		P81-D23 SHLD D278	71				.12 .25	NO NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 85 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 278L			J23-35 P81-D22	15 71				.15 .12	NO NO		63 49	
D 278R			J23-18 P81-D21	15 71				.15 .12	NO NO		63 49	
D 279	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 279A	2		SHLD D279 J23-20	15				.25 .15	NO NO		63	
D 279B	2		P81-D26 SHLD D279	71				.12 .25	NO NO		49	
D 279L			J23-37 P81-D25	15 71				.15 .12	NO NO		63 49	
D 279R			J23-19 P81-D24	15 71				.15 .12	NO NO		63 49	
D 280	3		J24-X J66-B*	23 60				.22 .22	NO NO		62 62	
D 281	3		J24-Y J66-C*	23 60				.22 .22	NO NO		62 62	
D 282	6				2.30 2.30	2.00 2.00				A,6A B,7	~~68,~~ 67 71 71	
D 282A	2		SHLD D282 E12-B	26				.25 .38	NO NO			
D 282W			J24-K* J52-G	23 37				.22 .22	NO NO		62 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 86 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 283	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 283A	2		SHLD D283 E12-B	 26				.25 .38	NO NO			
D 283W			J24-J* J52-J	23 37				.22 .22	NO NO		62 61	
D 284	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 284A	2		SHLD D284 E12-B	 26				.25 .38	NO NO			
D 284W			J24-I* J52-L	23 37				.22 .22	NO NO		62 61	
D 285	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 285A	2		SHLD D285 E12-B	 26				.25 .38	NO NO			
D 285W			J24-H* J52-H	23 37				.22 .22	NO NO		62 61	
D 286	3		J24-P* J52-U	23 37				.22 .22	NO NO		62 61	
D 287	3		J24-N* J52-V	23 37				.22 .22	NO NO		62 61	
D 288	3		J24-M* J65-CC	23 61				.22 .22	NO NO		62 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 87 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 289	3		J24-G* P80-E32	23 81				.22 .12	NO NO		62 49	
D 290	3		J24-T* J65-P*	23 61				.22 .22	NO NO		62 61	
D 291	3		J24-S* J65-Q*	23 61				.22 .22	NO NO		62 61	
D 292	3		J24-R* J56-N*	23 41				.22 .22	NO NO		62 61	
D 293	3		J24-Q* J56-P*	23 41				.22 .22	NO NO		62 61	
D 294	3		J24-W J66-A*	23 60				.22 .22	NO NO		62 62	
D 295	3		J24-F* E12-B	23 26				.22 .38	NO NO		62	
D 296	2		J26-33 E13-B	20 25				.15 .38	NO NO		64	
D 297	2		J26-63 E12-B	20 26				.15 .38	NO NO		64	
D 298	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 298A	2		SHLD D298 E13-B	 25				.25 .38	NO NO			
D 298L			J26-38 P75-E2	20 86				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 88 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 298R			J26-37 P75-E1	20 86				.15 .12	NO NO		64 49	
D 299	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 299A	2		SHLD D299 E13-B	 25				.25 .38	NO NO			
D 299L			J26-40 P75-E4	20 86				.15 .12	NO NO		64 49	
D 299R			J26-39 P75-E3	20 86				.15 .12	NO NO		64 49	
D 300	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 300A	2		SHLD D300 E13-B	 25				.25 .38	NO NO			
D 300L			J26-42 P76-F20	20 91				.15 .12	NO NO		64 49	
D 300R			J26-41 P76-F19	20 91				.15 .12	NO NO		64 49	
D 301	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 301A	2		SHLD D301 E13-B	 25				.25 .38	NO NO			
D 301L			J26-49 P75-E6	20 86				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 89 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 301R			J26-46 P75-E5	20 86				.15 .12	NO NO		64 49	
D 302	6				2.30 3.30	2.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 302A	2		SHLD D302 E13-B	 25				.25 .38	NO NO			
D 302W			J26-47 P75-E9	20 86				.15 .12	NO NO		64 49	
D 303	6				2.30 3.30	2.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 303A	2		SHLD D303 E13-B	 25				.25 .38	NO NO			
D 303W			J26-48 P75-E11	20 86				.15 .12	NO NO		64 49	
D 304	6				2.80 3.30	2.50 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 304A	2		SHLD D304 E13-B	 25				.25 .38	NO NO			
D 304W			J26-44 P75-E15	20 86				.15 .12	NO NO		64 49	
D 305	6				2.80 3.30	2.50 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 305A	2		SHLD D305 E13-B	 25				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 90 OF ~~157~~ 160

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 305W			J26-45 P75-E13	20 86				.15 .12	NO NO		64 49	
D 306	2		J26-2 J56-D*	2 41				.15 .22	NO NO		64 61	
D 307	2		J26-4 J56-F*	20 41				.15 .22	NO NO		64 61	
D 308	2		J26-6 J56-H*	20 41				.15 .22	NO NO		64 61	
D 309	2		J26-9 J65-T*	20 61				.15 .22	NO NO		64 61	
D 310	8				3.30 3.30	3.00 3.00				B,7 B,7	70 70	
D 310L			J26-14 J65-N*	20 61				.15 .22	NO NO		64 61	
D 310R			J26-13 J65-M*	20 61				.15 .22	NO NO		64 61	
D 311	8				3.30 3.30	3.00 3.00				B,7 B,7	70 70	
D 311L			J26-12 J65-I*	20 61				.15 .22	NO NO		64 61	
D 311R			J26-11 J65-K*	20 61				.15 .22	NO NO		64 61	
D 312	2		J26-30 J65-E	20 61				.15 .22	NO NO		64 61	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 91 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 313	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 313A	2		SHLD D313 E13-B	 25				.25 .38	NO NO			
D 313W			J26-32 J65-P	20 61				.15 .22	NO NO		64 61	
D 314	6				3.80 3.30	3.50 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 314A	2		SHLD D314 E13-B	 25				.25 .38	NO NO			
D 314W			J26-35 J65-B*	20 61				.15 .22	NO NO		64 61	
D 315	2		J11-1 J14-22	4 10				.22 .15	NO NO		55 64	
D 316	4		J20-53 TB3-~~10~~ 9	11 ~~143~~ 144				.23 .19	NO NO		99 84	
D 317	4		J20-54 TB3-11	11 146				.23 .19	NO NO		99 84	
D 318	4		J20-55 TB3-~~12~~ 11	11 ~~145~~ 146				.23 .19	NO NO		99 84	
D 319	8				4.30 3.30	4.00 3.00				B,7 B,7	70 70	
D 319L			J26-24 P70-E4	20 74				.15 .12	NO NO		64 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 92 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 319R			J26-23 P70-E3	20 74				.15 .12	NO NO		64 49	
D 320	8				4.30 3.30	4.00 3.00				B,7 B,7	70 70	
D 320L			J26-26 P70-E6	20 74				.15 .12	NO NO		64 49	
D 320R			J26-25 P70-E5	20 74				.15 .12	NO NO		64 49	
D 321	2		J26-27 P70-E7	20 74				.15 .12	NO NO		64 49	
D 322	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 322L			J26-81 P70-E9	20 74				.15 .12	NO NO		64 49	
D 322R			J26-80 P70-E8	20 74				.15 .12	NO NO		64 49	
D 323	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 323L			J26-83 P70-E11	20 74				.15 .12	NO NO		64 49	
D 323R			J26-82 P70-E10	20 74				.15 .12	NO NO		64 49	
D 324	2		J26-84 P70-E12	20 74				.15 .12	NO NO		64 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 93 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 325	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 325L			J26-22 J66-HH	20 60				.15 .22	NO NO		64 62	
D 325R			J26-21 J66-GG	20 60				.15 .22	NO NO		64 62	
D 327	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66~~ 67, 71 71	
D 327A	2		SHLD D327 E14-B	 34				.25 .38	NO NO			
D 327W			J26-74 J65-W	20 61				.15 .22	NO NO		64 61	
D 328	2		J26-76 XF22-2	20 111				.15 .31	NO YES		64	
D 329	2		J26-77 J65-BB	20 61				.15 .22	NO NO		64 61	
D 330	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 330B	2		TB5-~~4~~ 3 SHLD D330	~~158~~ 159				.19 .25	NO NO		83	
D 330L			J27-N TB2-2	19 119				.22 .19	NO NO		61 83	
D 330R			J27-L TB2-3	19 120				.22 .19	NO NO		61 83	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 94 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 331	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 331A	2		SHLD D331 E14-B	 34				.25 .38	NO NO			
D 331L			J28-X J61-U	29 56				.22 .22	NO NO		62 61	
D 331R			J28-Y J61-T	29 56				.22 .22	NO NO		62 61	
D 332	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 332A	2		SHLD D332 E14-B	 34				.25 .38	NO NO			
D 332L			J28-V J61-S*	29 56				.22 .22	NO NO		62 61	
D 332R			J28-W J61-R*	29 56				.22 .22	NO NO		62 61	
D 333	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 333A	2		SHLD D333 E14-B	 34				.25 .38	NO NO			
D 333L			J28-NN J52-FF	29 37				.22 .22	NO NO		62 61	
D 333R			J28-PP J52-EE	29 37				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 95 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 334	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 334A	2		SHLD D334 E14-B	 34				.25 .38	NO NO			
D 334L			J28-LL J52-HH	29 37				.22 .22	NO NO		62 61	
D 334R			J28-MM J52-GG	29 37				.22 .22	NO NO		62 61	
D 335	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 335A	2		SHLD D335 E14-B	 34				.25 .38	NO NO			
D 335L			J28-JJ J53-BB	29 36				.22 .22	NO NO		62 61	
D 335R			J28-KK J53-AA	29 36				.22 .22	NO NO		62 63	
D 336	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 336A	2		SHLD D336 E14-B	 34				.25 .38	NO NO			
D 336L			J28-FF J53-X*	29 36				.22 .22	NO NO		62 61	
D 336R			J28-GG J53-W*	29 36				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 96 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 337	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 337A	2		SHLD D337 E14-B	 34				.25 .38	NO NO			
D 337L			J28-DD J53-V*	29 36				.22 .22	NO NO		62 61	
D 337R			J28-EE J53-U*	29 36				.22 .22	NO NO		62 61	
D 338	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 338A	2		SHLD D338 E14-B	 34				.25 .38	NO NO			
D 338L			J28-X* J52-S	29 37				.22 .22	NO NO		62 61	
D 338R			J28-Y* J52-R	29 37				.22 .22	NO NO		62 61	
D 339	9				3.80 3.80	3.50 3.50				A,6A B,7	67, 69 69	
D 339A	2		SHLD D339 E14-B	 34				.25 .38	NO NO			
D 339L			J28-V* J52-J*	29 37				.22 .22	NO NO		62 61	
D 339R			J28-W* J52-I*	29 37				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 97 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 340	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 340A	2		SHLD D340 J28-S*	 29				.25 .22	NO NO		 62	
D 340B	2		J52-M SHLD D340	37				.22 .25	NO NO		61	
D 340L			J28-T* J52-M*	29 37				.22 .22	NO NO		62 61	
D 340R			J28-U* J52-K*	29 37				.22 .22	NO NO		62 61	
D 341	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 341A	2		SHLD D341 J28-P*	 29				.25 .22	NO NO		 62	
D 341B	2		J52-K SHLD D341	37				.22 .25	NO NO		61	
D 341L			J28-Q* J52-Z*	29 37				.22 .22	NO NO		62 61	
D 341R			J28-R* J52-Y*	29 37				.22 .22	NO NO		62 61	
D 342	15				2.30 2.30	2.00 2.00				A,6B A,6B	66, 70 66, 70	
D 342A	2		SHLD D342 J28-M*	 29				.25 .22	NO NO		 62	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE-NONE	REV LTR FK		SHEET 98 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 342B	2		J53-S SHLD D342	36				.22 .25	NO NO		61	
D 342E			J28-N* J53-R	29 36				.22 .22	NO NO		62 61	
D 343	3		J28-CC J52-P	29 37				.22 .22	NO NO		62 61	
D 344	3		J28-AA J52-N	29 37				.22 .22	NO NO		62 61	
D 345	3		J28-BB J52-B	29 37				.22 .22	NO NO		62 61	
D 346	3		J28-HH XF26-1	29 115				.22 .31	NO YES		62	
D 347	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 347L			J28-T J53-T	29 36				.22 .22	NO NO		62 61	
D 347R			J28-U J53-A	29 36				.22 .22	NO NO		62 61	
D 348	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 348A	2		SHLD D348 E15-B	32				.25 .38	NO NO			
D 348L			J28-J* J52-BB	29 37				.22 .22	NO NO		62 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 99 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 348R			J28-K* J52-AA	29 37				.22 .22	NO NO		62 61	
D 349	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 349A	2		SHLD D349 E15-B	32				.25 .38	NO NO			
D 349L			J28-H* J61-P	29 56				.22 .22	NO NO		62 61	
D 349R			J28-I* J61-N	29 56				.22 .22	NO NO		62 61	
D 350	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 350A	2		SHLD D350 E15-B	32				.25 .38	NO NO			
D 350L			J28-F* J61-N*	29 56				.22 .22	NO NO		62 61	
D 350R			J28-G* J61-M*	29 56				.22 .22	NO NO		62 61	
D 351	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 351A	2		SHLD D351 E15-B	32				.25 .38	NO NO			
D 351L			J28-D* J56-D	29 41				.22 .22	NO NO		62 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 100 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 351R			J28-E* J56-C	29 41				.22 .22	NO NO		62 61	
D 352	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 352A	2		SHLD D352 E15-B	32				.25 .38	NO NO			
D 352L			J28-B* J56-F	29 41				.22 .22	NO NO		62 61	
D 352R			J28-C* J56-E	29 41				.22 .22	NO NO		62 61	
D 353	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 353A	2		SHLD D353 E15-B	32				.25 .38	NO NO			
D 353L			J28-Z J61-K*	29 56				.22 .22	NO NO		62 61	
D 353R			J28-A* J61-J*	29 56				.22 .22	NO NO		62 61	
D 354	3		J28-B E17-B	29 33				.22 .38	NO NO		62	
D 355	4		J54-10 XF23-2	43 112				.22 .31	NO YES		59	
D 356	4		J54-11 XF24-2	43 113				.22 .31	NO YES		59	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 101 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 357	4		J54-12 P83-F15	43 92				.22 ~~.22 .12~~	NO NO		59 98	
D 358	9				2.80 3.80	2.50 3.50				A,6B A,6B	67, 69 67, 69	
D 358A	2		SHLD D358 J24-Z	23				.25 .22	NO NO		62	
D 358B	2		P80-C22 SHLD D358	69				.12 .25	NO NO		49	
D 358L			J24-U* P80-C21	23 69				.22 .12	NO NO		62 49	
D 358R			J24-V* P80-C20	23 69				.22 .12	NO NO		62 49	
D 359	9				2.80 3.30	2.50 3.00				A,6B A,6B	67, 69 67, 69	
D 359A	2		SHLD D359 J24-C*	23				.25 .22	NO NO		62	
D 359B	2		P80-C19 SHLD D359	69				.12 .25	NO NO		49	
D 359L			J24-W* P80-C18	23 69				.22 .12	NO NO		62 49	
D 359R			J24-X* P80-C17	23 69				.22 .12	NO NO		62 49	
D 360	3		J52-T E21-B	37 49				.22 .38	NO NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 102 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 361	3		J53-B E21-B	36 49				.22 .38	NO NO		61	
D 362	3		J55-FF P70-E13	42 74				.22 .12	NO NO		62 49	
D 363	3		J55-GG P70-E14	42 74				.22 .12	NO NO		62 49	
D 364	3		J55-U P70-E15	42 74				.22 .12	NO NO		62 49	
D 365	~~3~~		~~J55-Y*~~ ~~P70-E16~~	~~42~~ ~~74~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 366	~~3~~		~~J55-V*~~ ~~P70-E17~~	~~42~~ ~~74~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 367	~~3~~		~~J55-R*~~ ~~P70-E18~~	~~42~~ ~~74~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 368	3		J55-V P70-E19	42 74				.22 .12	NO NO		62 49	
D 369	3		J55-CC P74-A19	42 74				.22 .12	NO NO		62 49	
D 370	3		J55-H* P74-A20	42 74				.22 .12	NO NO		62 49	
D 371	3		J55-G* P70-E22	42 74				.22 .12	NO NO		62 49	
D 372	3		J55-NN P12-F	42 63				.22 .22	NO NO		62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 103 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 373	3		J55-C XF15-2	42 105				.22 .31	NO YES		62	
D 374	3		J55-X TB2-19	42 132				.22 .19	NO NO		62 83	
D 375	3		J55-BB TB2-1	42 119A				.22 .19	NO NO		62 83	
D 376	3		J55-AA TB2-22	42 134				.22 .19	NO NO		62 83	
D 377	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 377B	2		E15-B SHLD D377	32				.38 .25	NO NO			
D 377L			J56-U J28-M	41 29				.22 .22	NO NO		61 62	
D 377R			J56-T J28-N	41 29				.22 .22	NO NO		61 62	
D 378	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
C 378B	2		E15-B SHLD D378	32				.38 .25	NO NO			
D 378L			J56-S J28-P	41 29				.22 .22	NO NO		61 62	
D 378R			J56-R J28-R	41 29				.22 .22	NO NO		61 62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 104 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 379	3		J58-B E25-B	47 51				.22 .38	NO NO		61	
D 380	3		J58-N E27-B	47 46				.22 .38	NO NO		61	
D 381	3		J58-P E27-B	47 46				.22 .38	NO NO		61	
D 382	3		J58-R E27-B	47 46				.22 .38	NO NO		61	
D 383	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 383L			J58-V P70-E27	47 74				.22 .12	NO NO		61 49	
D 383R			J58-U P70-E26	47 74				.22 .12	NO NO		61 49	
D 384	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 384L			J58-X P70-E29	47 74				.22 .12	NO NO		61 49	
D 384R			J58-W P70-E28	47 74				.22 .12	NO NO		61 49	
D 385	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 385L			J58-Z P70-E31	47 74				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 105 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 385R			J58-Y P70-E30	47 74				.22 .12	NO NO		61 49	
D 386	3		J55-W P70-E32	42 74				.22 .12	NO NO		62 49	
D 387	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 387L			J26-66 J65-V*	20 61				.15 .22	NO NO		64 61	
C 387R			J26-65 J65-U*	20 61				.15 .22	NO NO		64 61	
D 388	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 388L			J26-68 J65-X*	20 61				.15 .22	NO NO		64 61	
D 388R			J26-67 J65-W*	20 61				.15 .22	NO NO		64 61	
D 389	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 389L			J26-70 J65-Z*	20 61				.15 .22	NO NO		64 61	
D 389R			J26-69 J65-Y*	20 61				.15 .22	NO NO		64 61	
D 390	3		J58-Z* P75-D17	47 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 106 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 391	2		J58-M K65-1	47 192				.22 .19	NO YES		61 92	
D 392	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 392A	2		SHLD D392 E21-B	49				.25 .38	NO NO			
D 392L			J59-D* P76-E14	45 89				.22 .12	NO NO		61 49	
D 392R			J59-C* P76-E13	45 89				.22 .12	NO NO		61 49	
D 393	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 393A	2		SHLD D393 E21-B	49				.25 .38	NO NO			
D 393L			J59-B* P76-E16	45 89				.22 .12	NO NO		61 49	
D 393R			J59-A* P76-E15	45 89				.22 .12	NO NO		61 49	
D 394	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 394A	2		SHLD D394 E21-B	49				.25 .38	NO NO			
D 394L			J59-N* P76-E18	45 89				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 107 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 394R			J59-M* P76-E17	45 89				.22 .12	NO NO		61 49	
D 395	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 395A	2		SHLD D395 E21-B	49				.25 .38	NO NO			
D 395L			J59-K* P76-E20	45 89				.22 .12	NO NO		61 49	
D 395R			J59-J* P76-E19	45 89				.22 .12	NO NO		61 49	
D 396	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 396A	2		SHLD D396 E21-B	49				.25 .38	NO NO			
D 396L			J59-W* P76-E22	45 89				.22 .12	NO NO		61 49	
D 396R			J59-V* P76-E21	45 89				.22 .12	NO NO		61 49	
D 397	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 397A	2		SHLD D397 E21-B	49				.25 .38	NO NO			
D 397L			J59-U* P76-E24	45 89				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 108 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 397R			J59-T* P76-E23	45 89				.22 .12	NO NO		61 49	
D 398	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 398A	2		SHLD D398 E21-B	49				.25 .38	NO NO			
D 398L			J59-HH P74-A22	45 70				.22 .12	NO NO		61 49	
D 398R			J59-GG P74-A21	45 70				.22 .12	NO NO		61 49	
D 399	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 399A	2		SHLD D399 E21-B	49				.25 .38	NO NO			
D 399L			J59-FF P75-D29	45 73				.22 .12	NO NO		61 49	
D 399R			J59-EE P75-D28	45 73				.22 .12	NO NO		61 49	
D 400	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 400A	2		SHLD D400 E21-B	49				.25 .38	NO NO	A,6A B,7		
D 400L			J59-DD P75-D22	45 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 109 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 400R			J59-CC P75-D21	45 73				.22 .12	NO NO		61 49	
D 401	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 401A	2		SHLD D401 E21-B	49				.25 .38	NO NO			
D 401L			J59-KK P74-A24	45 70				.22 .12	NO NO		61 49	
D 401R			J59-JJ P74-A23	45 70				.22 .12	NO NO		61 49	
D 402	3		J59-A E21-B	45 49				.22 .38	NO NO		61	
D 403	3		J59-B E21-B	45 49				.22 .38	NO NO		61	
D 404	3		J59-BB J29-BB	45 28				.22 .22	NO NO		61 61	
D 405	3		J59-AA J29-EE	45 28				.22 .22	NO NO		61 61	
D 406	3		J59-Y* J29-HH	45 28				.22 .22	NO NO		61 61	
D 407	3		J59-R* J29-A*	45 28				.22 .22	NO NO		61 61	
D 408	3		J59-Q* J29-E	45 28				.22 .22	NO NO		61 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 110 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 409	3		J59-X* J29-S	45 28				.22 .22	NO NO		61 61	
D 410	3		J59-S* J29-N	45 28				.22 .22	NO NO		61 61	
D 411	~~3~~		~~J59-H*~~ ~~J29-PP~~	~~45~~ ~~28~~	DELETED			~~.22~~ ~~.22~~	~~NO~~ ~~NO~~		~~61~~ ~~61~~	
D 412	3		J59-F* P80-A15	45 66				.22 .12	NO NO		61 49	
D 413	3		J59-G* P80-A16	45 66				.22 .12	NO NO		61 49	
D 414	3		J59-E* P80-A14	45 66				.22 .12	NO NO		61 49	
D 415	3		J29-K P80-E14	28 81				.22 .12	NO NO		61 49	
D 416	3		J29-H P80-E15	28 81				.22 .12	NO NO		61 49	
D 417	3		J29-J P80-E16	28 81				.22 .12	NO NO		61 49	
D 418	3		J29-W* P80-F1	28 83				.22 .12	NO NO		61 49	
D 419	3		J29-AA P80-A1	28 66				.22 .12	NO NO		61 49	
D 420	3		J29-DD P80-B1	28 67				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 111 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 421	~~3~~		~~J29-NN~~ ~~P80-C1~~	~~28~~ ~~69~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~61~~ ~~49~~	
D 422	3		J29-Y* P80-A2	28 66				.22 .12	NO NO		61 49	
D 423	3		J29-X* P80-B2	28 67				.22 .12	NO NO		61 49	
D 424	3		J29-GG P80-C2	28 69				.22 .12	NO NO		61 49	
C 425	3		J29-KK P80-A3	28 66				.22 .12	NO NO		61 49	
D 426	3		J29-P P80-B3	28 67				.22 .12	NO NO		61 49	
D 427	3		J29-T P80-C3	28 69				.22 .12	NO NO		61 ~~98~~ 49	
D 428	3		J29-Z* P80-A4	28 66				.22 .12	NO NO		61 49	
D 429	3		J29-CC P80-B4	28 67				.22 .12	NO NO		61 49	
D 430	~~3~~		~~J29-MM~~ ~~P80-C4~~	~~28~~ ~~69~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~61~~ ~~49~~ ~~98~~	
D 431	3		J29-FF P80-A5	28 66				.22 .12	NO NO		61 49	
D 432	3		J29-JJ P80-B5	28 67				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 112 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 433	3		J29-R P80-C5	28 69				.22 .12	NO NO		61 49	
D 434	2		J29-U K66-8	28 193				.22 .19	NO YES		61 92	
D 435	3		J29-M E16-B	28 30				.22 .38	NO NO		61	
D 436	3		J60-Z K66-3	44 193				.22 .19	NO YES		61 92	
D 437	3		J60-X* P75-D30	44 73				.22 .12	NO NO		61 49	
D 438	3		J60-V P74-F25	44 85				.22 .12	NO NO		61 49	
D 439	7				3.30 3.30	3.00 3.00				B,7 B,7	70 70, 54	
D 439L			J60-HH J19-44/0	44 12			 .34	.22 .23	NO NO		61 53	
D 439R			J60-W* J19-44/I	44 12				.22 .22	NO NO		61 50, 60, 58	
D 440	3		J60-X K60-3	44 187				.22 .19	NO YES		61 92	
D 441	3		J60-W K59-3	44 186				.22 .19	NO YES		61 92	
D 442	3		J60-C P1-E	44 35				.22 .31	[illegible] [illegible]		61 72	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 113 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 443	3		J60-D P80-A31	44 66				.22 .12	NO NO		61 49	
D 444	3		J60-A* P78-E8	44 77				.22 .12	NO NO		61 49	
D 445	3		J60-B* P78-F9	44 78				.22 .12	NO NO		61 49	
D 446	3		J60-C* P78-E11	44 77				.22 .12	NO NO		61 49	
D 447	3		J60-D* P78-F13	44 78				.22 .12	NO NO		61 49	
D 448	3		J60-E* P78-E15	44 77				.22 .12	NO NO		61 49	
D 449	3		J60-F* P78-F17	44 78				.22 .12	NO NO		61 49	
D 450	3		J60-G* P78-E19	44 77				.22 .12	NO NO		61 49	
D 451	3		J60-H* P78-F21	44 78				.22 .12	NO NO		61 49	
D 452	3		J60-J* P78-E23	44 77				.22 .12	NO NO		61 49	
D 453	3		J60-K* P78-F25	44 78				.22 .12	NO NO		61 49	
D 454	3		J60-M* P78-E27	44 77				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 114 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 455	3		J60-N* P78-F28	44 78				.22 .12	NO NO		61 49	
D 456	3		J60-P* P78-E29	44 77				.22 .12	NO NO		61 49	
D 457	3		J60-Q* P78-F30	44 78				.22 .12	NO NO		61 49	
D 458	3		J60-R* P78-E31	44 77				.22 .12	NO NO		61 49	
D 459	3		J60-G P77-F29	44 78				.22 .12	NO NO		61 49	
D 460	3		J60-I* P77-E30	44 77				.22 .12	NO NO		61 49	
D 461	3		J60-Y P74-F28	44 ~~78~~ 85				.22 .12	NO NO		61 49	
D 462	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 462A	2		SHLD D462 E23-B	52				.25 .38	NO NO			
D 462L			J61-W P75-B28	56 72				.22 .12	NO NO		61 49	
D 462R			J61-V P75-B27	56 72				.22 .12	NO NO		61 49	
D 463	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE - NONE	REV LTR /K		SHEET 115 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 463A	2		SHLD D463 E23-B	52				.25 .38	NO NO			
D 463L			J61-PP P75-B26	56 72				.22 .12	NO NO		61 49	
D 463R			J61-NN P75-B25	56 72				.22 .12	NO NO		61 49	
D 464	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 464A	2		SHLD D464 E23-B	52				.25 .38	NO NO			
D 464L			J61-F P75-B8	56 72				.22 .12	NO NO		61 98	
D 464R			J61-E P75-B7	56 72				.22 .12	NO NO		61 49	
D 465	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 465A	2		SHLD D465 E23-B	52				.25 .38	NO NO			
D 465L			J61-H* P76-F22	56 72				.22 .12	NO NO		61 49	
D 465R			J61-G* P76-F21	56 72				.22 .12	NO NO		61 49	
D 466	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE - NONE	REV LTR FK		SHEET 116 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 466A	2		SHLD D466 E23-B	52				.25 .38	NO NO			
D 466L			J61-F* P75-B20	56 72				.22 .12	NO NO		61 49	
D 466R			J61-E* P75-B19	56 72				.22 .12	NO NO		61 49	
D 467	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 467A	2		SHLD D467 E23-B	52				.25 .38	NO NO			
D 467L			J61-D* P75-B18	56 72				.22 .12	NO NO		61 49	
D 467R			J61-C* P75-B17	56 72				.22 .12	NO NO		61 49	
D 468	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 468A	2		SHLD D468 E23-B	52				.25 .38	NO NO			
D 468L			J61-S P75-B24	56 72				.22 .12	NO NO		61 49	
D 468R			J61-R P75-B23	56 72				.22 .12	NO NO		61 49	
D 469	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE - NONE	REV LTR FK		SHEET 117 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 469A	2		SHLD D469 E23-B	52				.25 .38	NO NO			
D 469L			J61-D P75-B22	56 72				.22 .12	NO NO		61 49	
D 469R			J61-C P75-B21	56 72				.22 .12	NO NO		61 49	
D 470	3		J61-B E23-B	56 52				.22 .38	NO NO		61	
D 471	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 471L			J61-M J27-K	56 19				.22 .22	NO NO		61 61	
D 471R			J61-L J27-J	56 19				.22 .22	NO NO		61 61	
D 472	3		J62-B E28-B	55 53				.22 .38	NO NO		61	
D 473	3		J62-DD P80-A7	55 66				.22 .12	NO NO		61 49	
D 474	3		J62-GG P80-B7	55 67				.22 .12	NO NO		61 49	
D 475	3		J62-Z* P80-C7	55 69				.22 .12	NO NO		61 49	
D 476	3		J62-E* P79-A1	55 65				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974	SIZE A	2900719	
SCALE - NONE	REV LTR FK		SHEET 118 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 477	3		J62-AA P80-A6	55 66				.22 .12	NO NO		61 49	
D 478	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 478A	2		SHLD D478 E28-B	53				.25 .38	NO NO			
D 478L			J62-J* P75-D11	55 73				.22 .12	NO NO		61 49	
D 478R			J62-K* P75-D12	55 73				.22 .12	NO NO		61 49	
D 479	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 479A	2		SHLD D479 E28-B	53				.25 .38	NO NO			
D 479L			J62-M* P75-D10	55 73				.22 .12	NO NO		61 49	
D 479R			J62-N* P75-D9	55 73				.22 .12	NO NO		61 49	
D 480	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 480A	2		SHLD D480 E28-B	53				.25 .38	NO NO			
D 480L			J62-Q* P75-D7	55 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 119 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 480R			J62-P* P75-D8	55 73				.22 .12	NO NO		61 49	
D 481	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 481A	2		SHLD D481 E28-B	53				.25 .38	NO NO			
D 481L			J62-R* P75-D6	55 73				.22 .12	NO NO		61 49	
D 481R			J62-S* P75-D5	55 73				.22 .12	NO NO		61 49	
D 482	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 482A	2		SHLD D482 E28-B	53				.25 .38	NO NO			
D 482L			J62-U* P75-D3	55 73				.22 .12	NO NO		61 49	
D 482R			J62-T* P75-D4	55 73				.22 .12	NO NO		61 49	
D 483	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 483A	2		SHLD D483 E28-B	53				.25 .38	NO NO			
D 483L			J62-V* P75-D2	55 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 120 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 483R			J62-W* P75-D1	55 73				.22 .12	NO NO		61 49	
D 484	13				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 484A	2		SHLD D484 E25-B	51				.25 .38	NO NO			
D 484L			J63-H P76-F29	54 91				.22 .12	NO NO		62 49	
D 484R			J63-G P76-F28	54 91				.22 .12	NO NO		62 49	
D 484Y			J63-J P76-F30	54 91				.22 .12	NO NO		62 49	
D 485	3		J63-I* E23-B	54 52				.22 .38	NO NO		62	
D 486	3		J63-W E23-B	54 52				.22 .38	NO NO		62	
D 487	3		J63-B E25-B	54 51				.22 .38	NO NO		62	
D 488	3		J64-Z* E25-B	54 51				.22 .38	NO NO		61	
D 489	3		J64-A E25-B	54 51				.22 .38	NO NO		61	
D 490	3		J64-B E24-B	54 59				.22 .38	NO NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 121 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 491	3		J64-Z E25-B	54 51				.22 .38	NO NO		61	
D 492	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 492A	2		SHLD D492 E24-B	59				.25 .38	NO NO			
D 492L			J64-DD P76-E2	54 89				.22 .12	NO NO		61 98	
D 492R			J64-CC P76-E1	54 89				.22 .12	NO NO		61 49	
D 493	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 493A	2		SHLD D493 E24-B	59				.25 .38	NO NO			
D 493L			J64-S* P76-E4	54 89				.22 .12	NO NO		61 98	
D 493R			J64-R* P76-E3	54 89				.22 .12	NO NO		61 49	
D 494	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 494A	2		SHLD D494 E24-B	59				.25 .38	NO NO			
D 494L			J64-BB P76-E6	54 89				.22 .12	NO NO		61 98	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 122 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 494R			J64-AA P76-E5	54 89				.22 .12	NO NO		61 49	
D 495	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 495A	2		SHLD D495 E24-B	59				.25 .38	NO NO			
D 495L			J64-Q* P76-E8	54 89				.22 .12	NO NO		61 98	
D 495R			J64-P* P76-E7	54 89				.22 .12	NO NO		61 49	
D 496	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 496A	2		SHLD D496 E24-B	59				.25 .38	NO NO			
D 496L			J64-U* P76-E10	54 89				.22 .12	NO NO		61 98	
D 496R			J64-T* P76-E9	54 89				.22 .12	NO NO		61 49	
D 497	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 497A	2		SHLD D497 E24-B	59				.25 .38	NO NO			
D 497L			J64-N* P76-E12	54 89				.22 .12	NO NO		61 98	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR /K | SHEET 123 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 497R			J64-M* P76-E11	54 89				.22 .12	NO NO		61 49	
D 498	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 498A	2		SHLD D498 E24-B	59				.25 .38	NO NO			
D 498L			J64-PP P75-D24	54 73				.22 .12	NO NO		61 49	
D 498R			J64-NN P75-D23	54 73				.22 .12	NO NO		61 49	
D 499	9				2.80 3.30	2.50 3.00				B,7 B,7	69 69	
D 499L			J64-Y* R1-1	54 117				.22 .31	NO YES		61	
D 499R			J64-X* R1-2	54 117				.22 .31	NO YES		61	
D 500	9				2.80 3.30	2.50 3.00				B,7 B,7	69 69	
D 500L			J64-J* R2-1	54 117				.22 .31	NO YES		61	
D 500R			J64-I* R2-2	54 117				.22 .31	NO YES		61	
D 501	3		J64-B* TB3-~~16~~ 13	54 ~~149~~ 147				.22 .19	NO NO		61 83	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR /K | SHEET 124 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 502	3		J64-A* A2-45	54 172				.22 .31	NO YES		61	
D 503	9				2.30 3.30	2.00 8.00				B,7 A,6A	69 67, 69	
D 503A	2		SHLD D503 TB5-~~2~~ 1	~~156~~ 157				.25 .38	NO NO		83	
D 503L			J64-KK T1-6	54 171				.22 .31	NO YES		61 85	
D 503R			J64-JJ T1-5	54 171				.22 .31	NO YES		61 85	
D 504	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 504A	2		SHLD D504 TB5-3	159				.25 .38	NO NO		83	
D 504L			J64-N P80-A9	54 66				.22 .12	NO NO		61 49	
D 504R			J64-M P80-A8	54 66				.22 .12	NO NO		61 49	
D 505	13				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 69 69	
D 505A	2		SHLD D505 E25-B	51				.25 .38	NO NO			
D 505L			J65-F* P74-A27	61 70				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR /K | SHEET 125 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 505R			J65-E* P74-A26	61 70				.22 .12	NO NO		61 49	
D 505Y			J65-G* P74-A28	61 70				.22 .12	NO NO		61 49	
D 506	3		J65-DD P80-A32	61 66				.22 .12	NO NO		61 49	
D 507	3		J65-L P80-B32	61 67				.22 .12	NO NO		61 49	
D 508	2		J65-K K64-6	61 191				.22 .19	NO YES		61	
D 509	3		J65-A E24-B	61 59				.22 .38	NO NO		61	
D 510	3		J65-B E24-B	61 59				.22 .38	NO NO		61	
D 511	3		J65-C E25-B	61 51				.22 .38	NO NO		61	
D 512	3		J66-C P76-F23	60 91				.22 .12	NO NO		62 49	
D 513	3		J66-D P76-F31	60 91				.22 .12	NO NO		62 49	
D 514	3		J66-E P76-F32	60 91				.22 .12	NO NO		62 49	
D 515	3		J66-F P71-B1	60 64				.22 .12	NO NO		62 49	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR /K | SHEET 126 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 516	3		J66-G P71-B2	60 64				.22 .12	NO NO		62 49	
D 517	3		J66-H P71-B3	60 64				.22 .12	NO NO		62 49	
D 518	3		J66-J K61-1	60 188				.22 .19	NO YES		62	
C 519	3		J66-K K62-1	60 189				.22 .19	NO YES		62	
D 520	3		J66-L P73-F9	60 82				.22 .12	NO YES		62 49	
D 521	3		J66-M P73-F10	60 82				.22 .12	YES YES		62 49	
D 522	3		J66-Z P82-F27	60 88				.22 .12	YES YES		62 49	
D 523	3		J66-P* K63-3	60 190				.22 .19	NO YES		62	
D 524	3		J66-Q* K64-3	60 191				.22 .19	NO YES		62 92	
D 525	3		J59-P* J29-LL	45 28				.22 .22	NO NO		61 61	
D 526	3		P79-E17 TB2-12	79 128				.12 .19	NO NO		49 83	
D 527	3		P79-F17 P79-F18	80 80				.12 .12	NO NO		49 49	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR K	SHEET 127 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 528	3		P79-E19 TB2-18	79 131				.12 .19	NO NO		49 83	
D 529	3		P79-F19 P79-F20	80 80				.12 .12	NO NO		49 49	
D 530	3		P12-B P79-E18	63 79				.22 .12	NO NO		61 49	
D 531	3		P12-C P79-F23	63 80				.22 .12	NO NO		61 49	
D 532	3		P12-A E3	63 31				.22 .38	NO NO		61	
D 533	3		P12-D P79-A2	63 65				.22 .12	NO NO		61 49	
D 534	2		P12-E K65-1	63 192				.22 .19	NO YES		61	
D 535	3		XF14-2 TB2-6	104 123				.31 .19	YES NO		83	
D 536	3		XF23-1 P83-F1	112 92				.31 .12	YES NO		49	
D 537	3		XF24-1 P83-F8	113 92				.31 .12	YES NO		49	
D 538	3		XF7-1 TB2-12	98 128				.31 .19	YES NO		83	
D 539	3		XF7-2 TB2-24	98 137				.31 .19	YES NO		83	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR K	SHEET 128 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 540	3		XF8-2 TB2-10	99 127				.31 .19	YES NO		83	
D 541	3		XF12-1 TB2-9	102 126				.31 .19	YES NO		83	
D 542	3		XF12-2 TB1-2	102 136				.31 .19	YES NO		83	
D 543	4		XF6-1 TB2-8	97 125				.31 .19	YES NO		84	
D 544	4		XF6-2 TB1-3	97 138				.31 .19	YES NO		84	
D 545	4		XF4-1 TB2-7	95 124				.31 .19	YES NO		84	
D 546	4		XF4-2 TB1-3	95 138				.31 .19	YES NO		84	
D 547	4		XF5-1 TB2-26	96 139				.31 .19	YES NO		84	
D 548	4		XF5-2 TB1-2	96 136				.31 .19	YES NO		84	
D 549	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 549B	2		E29-B SHLD D549	58				.38 .25	NO NO			
D 549L			P75-F31 XF10-1	87 100				.12 .31	NO YES		49	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR K	SHEET 129 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 549R			P75-F28 XF10-2	87 100				.12 .31	NO YES		49	
D 550	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 550B	2		E25-B SHLD D550	51				.38 .25	NO NO			
D 550L			P74-E27 XF2-1	84 94				.12 .31	NO YES		49	
D 550R			P74-E26 XF1-1	84 93				.12 .31	NO YES		49	
D 551	7				2.30 3.30	2.00 3.00				B,7 A,6B	70, 54 67, 70, 54	
D 551B	2		P71-B19 SHLD D551	64				.12 .25	NO NO		49	
D 551L			J50-11/O P71-B20	40 64			.34	.23 .12	NO NO		53 49	
D 551R			J50-11/I P71-B17	40 64				.22 .12	NO NO		50, 60, 58 49	
D 552	7				2.30 3.30	2.00 3.00				B,7 A,6B	70, 54 67, 70, 54	
D 552B	2		P71-B22 SHLD D552	64				.12 .25	NO NO		49	
D 552L			J50-10/O P71-B21	40 64			.34	.23 .12	NO NO		53 49	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR K	SHEET 130 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 552R			J50-10/I P71-B18	40 64				.22 .12	NO NO		50, 60, 58 49	
D 553	3		XF13-1 P75-D18	103 73				.31 .12	YES NO		 49	
D 554	~~3~~		~~P75-D19~~ ~~K2-1~~	~~73~~ ~~117~~	DELETED			~~.12~~ ~~.31~~	~~NO~~ ~~YES~~		~~49~~	
D 555	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 555A	2		SHLD D555 TB7-~~2~~ 1	 ~~167~~ 166				.25 .19	NO NO		 83	
D 555L			A2-100 P82-F21	184 88				.31 .12	YES NO		 49	
D 555R			A2-96 P82-F18	184 88				.31 .12	YES NO		 49	
D 556	9				2.30 3.30	2.00 2.00				A,6A B,7	67, 69 69	
D 556A	2		SHLD D556 TB7-3	 169				.25 .19	NO NO		 83	
D 556L			A2-95 P82-F19	184 88				.31 .12	YES NO		 49	
D 556R			A2-99 P82-F20	184 88				.31 .12	YES NO		 49	
D 557	3		J61-J K63-6	56 190				.22 .19	NO YES		61	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 131 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 558	3		J61-K P80-C32	56 69				.22 .12	NO NO		61 49	
D 559	3		J60-F P77-F31	44 76				.22 .12	NO NO		61 49	
D 560	3		J60-E P77-E32	44 76				.22 .12	NO NO		61 49	
D 561	3		J60-H TB3-15	44 148				.22 .19	NO NO		61 83	
D 562	4		J17-C* E11-B	14 17				.18 .38	NO NO		73	
D 563	2		J27-E ~~XF26-1~~ P79-F29	19 ~~115~~ 80				.22 ~~.31~~ .12	NO ~~YES~~ NO		61 49	
D 564	2		J27-F TB3-~~14~~ 13	19 147				.22 .19	NO NO		61 83	
D 565	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 565L			J27-G R6-1	19 121				.22 .31	NO YES		61	
D 565R			J27-H R6-2	19 121				.22 .31	NO YES		61	
D 566	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 566L			J64-W* R6-1	62 121				.22 .31	NO YES		61	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 132 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 566R			J64-V* R6-2	62 121				.22 .31	NO YES		61	
D 567	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 567A	2		SHLD D567 E16-B	 30				.25 .38	NO NO			
D 567L			J29-H* P80-B9	28 67				.22 .12	NO NO		61 49	
D 567R			J29-G* P80-B8	28 67				.22 .12	NO NO		61 49	
D 568	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 568A	2		SHLD D568 E16-B	 30				.25 .38	NO NO			
D 568L			J29-M* P80-C9	28 69				.22 .12	NO NO		61 49	
D 568R			J29-K* P80-C8	28 69				.22 .12	NO NO		61 49	
D 569	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 569A	2		SHLD D569 E16-B	 30				.25 .38	NO NO			
D 569L			J29-D* P80-E11	28 69				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 133 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 569R			J29-C* P80-E10	28 81				.22 .12	NO NO		61 49	
D 570	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 570A	2		SHLD D570 E16-B	 30				.25 .38	NO NO			
D 570L			J29-T* P80-C11	28 69				.22 .12	NO NO		61 49	
D 570R			J29-S* P80-C10	28 69				.22 .12	NO NO		61 49	
D 571	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 571A	2		SHLD D571 E16-B	 30				.25 .38	NO NO			
D 571L			J29-R* P80-B11	28 67				.22 .12	NO NO		61 49	
D 571R			J29-Q* P80-B10	28 67				.22 .12	NO NO		61 49	
D 572	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 572A	2		SHLD D572 E16-B	 30				.25 .38	NO NO			
D 572L			J29-F* P80-A11	 66				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR K
SHEET 134 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 572R			J29-E* P80-A10	28 66				.22 .12	NO NO		61 49	
D 573	9				2.30 3.30	2.00 3.00				A,6B A,6A	67, 69 67, 69	
D 573A	2		SHLD D573 J27-D	 19				.25 .22	NO NO		 61	
D 573B	2		E20-B SHLD D573	24				.38 .25	NO NO			
D 573L			J27-C P8C-E9	19 81				.22 .12	NO NO		61 49	
D 573R			J27-B P80-E8	19 81				.22 .12	NO NO		61 49	
D 574	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 574L			J29-J* R4-G	28 119				.22 .15	NO YES		61	
D 574R			J29-I* R4-R	28 119				.22 .15	NO YES		61	
D 575	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 575L			J29-P* R5-G	28 119				.22 .15	NO YES		61	
D 575R			J29-N* R5-R	28 119				.22 .15	NO YES		61	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 135 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 576	3		J20-52 J60-CC	11 44				.22 .22	NO NO		56 61	
D 577	9				2.30 2.30	2.00 2.00				A,6A A,6A	67, 69 67, 69	
D 577B	2		TB5-~~6~~ 5 SHLD D577	160				.19 .25	NO NO		83	
D 577L			T1-2 TB2-2	171 119				.19 .19	NO NO		85 83	
D 577R			T1-1 TB2-3	171 120				.19 .19	NO NO		85 83	
D 578	3		J60-U TB2-5	44 122				.22 .19	NO NO		61 83	
D 579	3		K66-7 P82-F29	193 88				.19 .12	YES NO		92 49	
D 580			DELETED									
D 581	3		K61-6 P81-D10	188 71				.19 .12	YES NO		92 49	
D 582	3		K62-7 P74-E30	189 84				.19 .12	YES NO		92 49	
D 583			DELETED									
D 584			DELETED									

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 136 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 585	3		K62-6 P81-D7	189 71				.19 .12	YES NO		92 49	
D 586	1		K63-7 P82-F25	190 88				.19 .12	YES NO		92 49	
D 587	1		K63-1 A2-48	190 174				.19 .31	YES YES		92	
D 588	3		K60-7 P82-F31	187 88				.19 .12	YES NO		92 49	
D 589	3		K59-7 P82-F30	186 88				.19 .12	YES NO		92 49	
D 590	2		K66-8 P80-E5	193 81				.19 .12	YES NO		 49	
D 591	3		K66-1 P80-E3	193 81				.19 .12	YES NO		92 49	
D 592	3		K66-6 P79-A18	193 65				.19 .12	YES NO		92 49	
D 593	3		P79-A22 P79-A23	65 65				.12 .12	NO NO		49 49	
D 594	3		P79-A20 P79-A21	65 65				.12 .12	NO NO		49 49	
D 595	3		P71-B31 TB3-9	64 144				.12 .19	NO NO		49 83	
D 596	3		P75-B6 P75-E10	72 86				.12 .12	NO NO		49 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 137 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 597	3		P75-B12 P75-E14	72 86				.12 .12	NO NO		49 49	
D 598	3		P75-B10 P75-E12	72 86				.12 .12	NO NO		49 49	
D 599	3		P75-B14 P75-E16	72 86				.12 .12	NO NO		49 49	
D 600	3		P80-E1 P80-F2	81 83				.12 .12	NO NO		49 49	
D 601	3		P80-E2 P80-F3	81 83				.12 .12	NO NO		49 49	
D 602	3		P80-E4 P80-F5	81 83				.12 .12	NO NO		49 49	
D 603	3		P79-F31 P79-E32	80 79				.12 .12	NO NO		49 49	
D 604	3		P83-E1 P83-F2	90 92				.12 .12	NO NO		49 49	
D 605	3		P83-E2 P83-F3	90 92				.12 .12	NO NO		49 49	
D 606	3		P83-E3 P83-F4	90 92				.12 .12	NO NO		49 49	
D 607	3		P83-E4 R83-F5	90 92				.12 .12	NO NO		49 49	
D 608	3		P83-E5 P83-F6	90 92				.12 .12	NO NO		49 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 138 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG.	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 609	3		P79-E21 P82-F32	79 88				.12 .12	NO NO		49 49	
D 610	3		P83-E8 P83-F9	90 92				.12 .12	NO NO		49 49	
D 611	3		P83-E9 P83-F10	90 92				.12 .12	NO NO		49 49	
D 612	3		P83-E10 P83-F11	90 92				.12 .12	NO NO		49 49	
D 613	3		P83-E11 P83-F12	90 92				.12 .12	NO NO		49 49	
D 614	3		P83-E12 P83-F13	90 92				.12 .12	NO NO		49 49	
D 615	3		P71-B4 A2-32	64 183A				.12 .31	NO YES		49	
D 616	3		P74-E20 A2-30	84 183				.12 .31	NO YES		49	
D 617	3		P83-E16 P83-F17	90 92				.12 .12	NO NO		49 49	
D 618	3		P83-E17 P83-F18	90 92				.12 .12	NO NO		49 49	
D 619	3		P83-E18 P83-F19	90 92				.12 .12	NO NO		49 49	
D 620	3		P83-E15 P83-F16	90 92				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 139 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 621	3		P79-F2 TB2-20	80 133				.12 .19	NO NO		49 83	
D 622	3		P79-F32 TB2-23	80 135				.12 .19	NO NO		49 83	
D 623	3		E6-BB E17-B	1 33				.38 .38	NO NO			
D 624	3		XF15-1 K65-6	105 192				.31 .19	YES YES		 92	
D 625	3		K65-3 K65-6	192 192				.19 .19	YES YES		92	
D 626	3		K64-7 P82-F26	191 88				.19 .12	YES NO		92 49	
D 627	3		P83-F20 E17-B	92 33				.12 .38	NO NO		49	
D 628	1		J11-50/0 K65-7	4 192				.23 .19	NO YES		51 , 54 92	
D 629	1		J11-50/I P79-E22	4 79				.22 .12	NO NO		50, 60, 58 49	
D 630	3		P1-B P79-E23	35 79				.31 .12	YES NO		72 49	
D 631	4		E27-BB TB3-~~4~~3	46 140				.38 .19	NO NO		 84	
D 632	3		E7-BB E17-B	7 33				.38 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 140 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 633	3		E11-BB E17-B	17 33				.38 .38	NO NO			
D 634	3		E13-BB E12-B	25 26				.38 .38	NO NO			
D 635	3		E12-BB E17-B	26 13				.38 .38	NO NO			
D 636	4		E17-BB TB6-~~1~~2	33 ~~163~~ 162				.38 .19	NO NO		 84	
D 637	3		E8-BB E18-B	3 16				.38 .38	NO NO			
D 638	3		E9-BB TB4-4	6 153				.19 .38	NO NO		83	
D 639	3		E10-BB E18-B	16 18				.38 .38	NO NO			
D 640	4		E18-BB TB7-1	18 166				.38 .19	NO NO		 84	
D 641	3		E15-BB E14-B	32 34				.38 .38	NO NO			
D 642	4		E14-BB TB4-~~1~~2	34 ~~150~~ 151				.38 .19	NO NO		 84	
D 643	4		E16-BB TB5-1	30 157				.38 .19	NO NO		 84	
D 644	3		E19-BB E30-B	38 57				.38 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 141 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 645	3		E25-BB E30-B	51 57				.38 .38	NO NO			
D 647	4		E30-BB TB7-~~4~~5	57 ~~168~~ 170				.38 .19	NO NO		 84	
D 648	3		E21-BB E29-B	49 58				.38 .38	NO NO			
D 649	3		E28-BB E29-B	53 58				.38 .38	NO NO			
D 650	3		E23-BB E29-B	52 58				.38 .38	NO NO			
D 651	3		E24-BB E29-B	59 58				.38 .38	NO NO			
D 652	4		E20-BB TB5-5	24 ~~161~~ 160				.38 .19	NO NO		 84	
D 653	4		E29-BB TB6-2	58 162				.38 .19	NO NO		 84	
D 654	3		J27-P E20-B	19 24				.22 .38	NO NO		61	
D 655	3		A2-10 P79-F15	180 80				.31 .12	YES NO		 49	
D 656	3		A2-14 P79-F16	180B 80				.31 .12	YES NO		 49	
D 657	3		P1-A P80-B31	35 67				.31 .12	YES NO		72 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 142 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 658	3		P1-D P80-C31	35 69				.31 .12	YES NO		72 49	
D 659	3		P79-F30 P79-E31	80 79				.12 .12	NO NO		49 49	
D 660			DELETED									
D 661	1		A2-48 K64-1	174 191				.31 .19	YES YES		92	
D 662	3		A2-47 TB3-7	174 142				.31 .19	YES NO		83	
D 663	3		R3-1 K60-2	118 187				.31 .19	YES YES		92	
D 664	3		R3-2 K60-6	118 187				.31 .19	YES YES		92	
D 665	3		P79-F21 P79-F22	80 80				.12 .12	NO NO		49 49	
D 666	2		P75-E8 E26-B	86 32A				.12 .38	NO NO		49	
D 667	2		P75-E18 E26-B	86 32A				.12 .38	NO NO		49	
D 668	2		P75-E20 E26-B	86 32A				.12 .38	NO NO		49	
D 669	2		P75-E22 E26-B	86 32A				.12 .38	NO NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 143 OF ~~157~~ 160

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 670	2		P75-E24 E26-B	86 32A				.12 .38	NO NO		49	
D 671	2		P75-E26 E26-B	86 32A				.12 .38	NO NO		49	
D 672	2		P75-E28 E26-B	86 32A				.12 .38	NO NO		49	
D 673	2		P76-E6 E26-B	89 32A				.12 .38	NO NO			
D 674	2		P76-E8 E26-B	89 32A				.12 .38	NO NO			
D 675	2		P76-E10 E26-B	89 32A				.12 .38	NO NO			
D 676	2		P76-E12 E26-B	89 32A				.12 .38	NO NO			
D 677	4		E26-BB TB3-~~8~~5	32A 141				.38 .19	NO NO		84	
D 678	9				3.30 2.80	3.00 2.50				A,6A B,7	67, 69 69	
D 678A	2		SHLD D678 E20-B	24				.25 .38	NO NO			
D 678L			P80-F9 T1-4	83 171				.12 .31	NO YES		49 85	
D 678R			P80-F8 T1-3					.12 .31	NO YES		49 85	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 144 OF ~~157~~ 160

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 679	9				3.30 2.80	3.00 2.50				A,6A B,7	67, 69 69	
D 679A	2		SHLD D679 E20-B	24				.25 .38	NO NO			
D 679L			P80-F11 T1-6	83 171				.12 .31	NO YES		49	
D 679R			P80-F10 T1-5	83 171				.12 .31	NO YES		49	
D 680	3		K61-7 P74-E29	188 84				.19 .12	YES NO		92 49	
D 681	2		~~J26-55~~ J11-2 P71-B5	~~20~~ 4 64				~~.15~~ .22 .12	NO NO		~~64~~ 55 ~~49~~ 98	
D 682	3		A2-28 P74-E19	181 84				.31 .12	YES NO		49	
D 683	3		K58-7 P71-B32	185 64				.19 .12	YES NO		92 49	
D 684	3		K58-3 P82-F24	185 88				.19 .12	YES NO		92 49	
D 685	1		K58-2 K59-2	185 186				.19 .19	YES YES		92 92	
D 686	1		K58-6 K59-6	185 186				.19 .19	YES YES		92 92	
D 687	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 145 OF ~~157~~ 160

WIRING HARNESS D

2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 687B	2		E25-B SHLD D687	51				.38 .25	NO NO			
D 687L			K59-8 P79-F25	186 80				.19 .12	YES NO		92 49	
D 687R			K59-4 P79-F24	186 80				.19 .12	YES NO		92 49	
D 688	1		K59-1 K60-1	186 187				.19 .19	YES YES		92 92	
D 689	1		K59-5 K60-5	186 187				.19 .19	YES YES		92 92	
D 690	6				2.80 3.80	2.50 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 690A	2		SHLD D690 E7-B	7				.25 .38	NO NO			
D 690W			J14-38 P75-B15	10 72				.15 .12	NO NO		64 49	
D 691	6				2.80 3.80	2.50 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 691A	2		SHLD D691 E7-B	7				.25 .38	NO NO			
D 691W			J14-20 P75-B13	10 72				.15 .12	NO NO		64 49	
D 692	3		P79-E26 TB6-~~3~~ 4	79 164				.12 .19	NO NO		49 83	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 146 OF ~~157~~ 160

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 693	3		P75-F32 TB7-~~5~~ 3	87 ~~170~~ 169				.12 .19	NO NO		49 83	
D 694	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 694A	2		SHLD D694 E6-B	 1				.25 .38	NO NO			
D 694W			J12-25/I P75-B5	2 72				.22 .12	NO NO		50, 60, 58	
D 695	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 695A	2		SHLD D695 E6-B	 1				.25 .38	NO NO			
D 695W			J12-25/0 P75-B16	2 72				.23 .12	NO NO		53, 54	
D 696	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 696A	2		SHLD D696 E6-B	 1				.25 .38	NO NO			
D 696W			J12-26/I P75-B9	2 72				.22 .12	NO NO		50, 60, 58	
D 697	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 697A	2		SHLD D697 E6-B	 1				.25 .38	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR K | SHEET 147 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 697W			J12-26/0 P75-B11	2 72				.23 .12	NO NO		53, 54	
D 698	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 698B	2		E25-B SHLD D698	51				.38 .25	NO NO			
D 698L			P74-A31 XF2-2	70 94				.12 .31	NO YES		49	
D 698R			P74-A25 XF1-2	70 93				.12 .31	NO YES		49	
D 699	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 699A	2		SHLD D699 E9-B	 6				.25 .38	NO NO			
D 699W			J16-82 XF17-2	8 106				.15 .31	NO YES		63	
D 700	5				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 700A	1		SHLD D700 E10-B	 16				.25 .38	NO NO			
D 700W			J19-50/I XF17-2	12 106				.22 .31	NO YES		50, 60, 58	
D 701	6				3.30 3.30	3.00 3.00				B,7 A,6A	71 ~~66,~~ 67 71	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR K | SHEET 148 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 701B	2		E25-B SHLD D701	51				.38 .25	NO NO			
D 701W			K58-5 XF17-1	185 106				.19 .31	YES YES		92	
D 702	2		J26-7 XF21-2	20 110				.15 .31	NO YES		64	
D 703	2		J26-8 XF20-2	20 109				.15 .31	NO YES		64	
D 704	3		J65-S* XF21-1	61 110				.22 .31	NO YES		61	
D 705	3		J65-R* XF20-1	61 109				.22 .31	NO YES		61	
D 706	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 706A	2		SHLD D706 E14-B	 34				.25 .38	NO NO			
D 706W			J26-73 XF19-2	20 108				.15 .31	NO YES		64	
D 707	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 707A	2		SHLD D707 TB4-~~3~~ 4	 ~~152~~ 153				.25 .19	NO NO		 83	
D 707W			J65-V XF19-1	61 108				.22 .31	NO YES		61	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR K | SHEET 149 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 708	2		J65-AA XF22-1	61 111				.22 .31	NO YES		61	
D 709	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 709A	2		SHLD D709 E13-B	 25				.25 .38	NO NO			
D 709W			J26-34 XF18-2	20 107				.15 .31	NO YES		64	
D 710	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 710A	2		SHLD D710 E24-B	 59				.25 .38	NO NO			
D 710W			J65-A* XF18-1	61 107				.22 .31	NO YES		61	
D 711	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 711A	2		SHLD D711 E13-B	 25				.25 .38	NO NO			
D 711W			J26-31 XF11-2	20 101				.15 .31	NO YES		64	
D 712	6				3.80 3.80	3.50 3.50				A,6A B,7	~~66,~~ 67 71 71	
D 712A	2		SHLD D712 E24-B	 59				.25 .38	NO NO			

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR K | SHEET 150 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 712W			J65-N XF11-1	61 101				.22 .31	NO YES		61	
D 713	3		XF26-2 TB1-3	115 138				.31 .19	YES NO		 83	
D 714	2		J26-29 A2-1	20 173				.15 .31	NO YES		64	
D 715	3		J65-D A2-4	61 178				.22 .31	NO YES		61	
D 716	2		J26-1 A2-49	20 176				.15 .31	NO YES		64	
D 717	3		J56-C* A2-50	41 175				.22 .31	NO YES		61	
D 718	2		J26-3 A2-53	20 176				.15 .31	NO YES		64	
D 719	3		J56-E* A2-54	41 176				.22 .31	NO YES		61	
D 720	2		J26-5 A2-57	20 177				.15 .31	NO YES		64	
D 721	3		J56-G* A2-58	41 177				.22 .31	NO YES		61	
D 722	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 722A	2		SHLD D722 E34-B	 27				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 151 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 722L			J24-J J52-X*	23 37				.22 .22	NO NO		62 61	
D 722R			J24-H J52-W*	23 37				.22 .22	NO NO		62 61	
D 723	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 723A	2		SHLD D723 E34-B	 27				.25 .38	NO NO			
D 723L			J24-M J52-V*	23 37				.22 .22	NO NO		62 61	
D 723R			J24-K J52-U*	23 37				.22 .22	NO NO		62 61	
D 724	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 724A	2		SHLD D724 E14-B	 34				.25 .38	NO NO			
D 724L			J28-K J56-M	29 41				.22 .22	NO NO		62 61	
D 724R			J28-J J56-L	29 41				.22 .22	NO NO		62 61	
D 725	3		J53-E* E33-B	36 50				.22 .38	NO NO		61	
D 726	3		J24-F E34-B	23 27				.22 .38	NO NO		62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 152 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 727	3		J28-L E14-B	29 34				.22 .38	NO NO		62	
D 728	3		J24-E* E31-BB	23 21				.22 .38	NO NO		62	
D 729	3		J24-D* E32-BB	23 22				.22 .38	NO NO		62	
D 730	96		E31-B TB7-5	21 170				.38 .19	NO NO		 95	
D 731	3		J61-A E33-B	56 50				.22 .38	NO NO		61	
D 732	8				3.30 3.30	3.00 3.00				A,6A B,7	67, 70 70	
D 732A	2		SHLD D732 E34-B	 27				.25 .38	NO			
D 732L			J26-52 J61-B*	20 56				.15 .22			64 61	
D 732R			J26-51 J61-A*	20 56				.15 .22			64 61	
D 733	8				3.30 3.30	3.00 3.00				A,6A B,7	67, 70 67, 70	
D 733A	2		SHLD D733 E34-B	 27				.25 .38	NO NO			
D 733L			J26-54 J52-B*	20 37				.15 .22	NO NO		64 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 153 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 733R			J26-53 J52-A*	20 37				.15 .22	NO NO		64 61	
D 734	96		E32-B TB6-~~5~~ 6	22 165				.38 .19	NO NO		 95	
D 735	3		A2-46 TB~~2-15~~ 3-5	172 ~~130~~ 141				.31 .19	YES NO		 83	
D 736	4		E33-BB TB4-~~5~~ 6	50 ~~154~~ 155				.38 .19	NO NO		 84	
D 737	4		E34-BB TB4-6	27 155				.38 .19	NO NO		 84	
D 738	8				3.80 3.80	3.50 3.50				A,6B A,6B	67, 70 67, 70	
D 738A	2		SHLD D738 J15-24	 9				.25 .15	NO NO		 64	
D 738B	2		J16-53 SHLD D738	8				.15 .25	NO NO		63	
D 738L			J15-20 J16-52	9 8				.15 .15	NO NO		64 63	
D 738R			J15-21 J16-51	9 8				.15 .15	NO NO		64 63	
D 739	2		J15-37 TB2-13	9 129				.15 .19	NO NO		64 83	
D 740	2		J15-38 TB2-23	9 135				.15 .19	NO NO		64 83	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 154 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 741	3		J29-L P80-C~~3~~4	28 69				.22 .12	NO NO		61 49	
D 742	2		J12-22 P7C-E2C	2 74				.22 .12	NO NO		55 49	
D 743	1		K61-1 K61-3	188 188				.19 .19	YES YES		92	
D 744	1		K62-1 K62-3	189 189				.19 .19	YES YES		92	
D 745	3		J60-S* P78-F32	44 78				.22 .12	NO NO		61 49	
D 746	1		K63-2 K63-3	190 190				.19 .19	YES YES		92	
D 747	1		K64-2 K64-3	191 191				.19 .19	YES YES		92	
D 748	1		K63-5 K64-5	190 191				.19 .19	YES YES		92 92	
C 749	1		K63-5 P81-D15	190 71				.19 .12	YES NO		49	
D 750	1		J66-M* P81-D16	60 71				.22 .12	NO NO		62 49	
D 751	4		J11-54 TB7-7	4 168				.22 .19	No No		59 84	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 155 OF 160 ~~157~~

WIRING HARNESS ~~A~~ D ~~2900599~~ ~~E~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 752 ~~D 752~~	3		P75-E30 TB3-7	86 142				.12 .19	NO NO		49 83	
D 753 ~~D 753~~	2		A2-15 P76-F23	180C 91				.31 .12	YES NO		49	
D 754 ~~D 754~~	2		A2-17 P76-F31	180D 91				.31 .12	YES NO		49	
D 755 ~~D 755~~	2		A2-19 P76-F32	180E 91				.31 .12	YES NO		49	
D 756 ~~D 756~~	2		A2-21 P73-F9	180F 82				.31 .12	YES NO		49	
D 757 ~~D 757~~	2		A2-23 P73-F10	180G 82				.31 .12	YES NO		49	
D 758 ~~D 758~~	2		A2-24 P75-F15	180H 87				.31 .12	YES NO		49	
D 759 ~~D 759~~	2		P75-E29 P75-F16	86 87				.12 .12	NO NO		49 49	
D 760 ~~D 760~~	2		XF26-1 P79-A29	115 65				.31 .12	YES NO		49	
D 761 ~~D 761~~	12				4.80 4.80	4.50 4.50				A,6A B,7	67, 70 70	
D 761A ~~D 761A~~	2		SHLD D761 E17-B	33				.25 .38	NO NO			
D 761L ~~D 761L~~			P76-E26 P74-F20	89 85				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900745~~
SCALE-NONE	REV LTR /K	SHEET 156 OF 160 ~~17~~

WIRING HARNESS ~~A~~ D ~~2900599~~ ~~5~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 761R ~~D 7 R~~			P76-E25 P74-F19	89 85				.12 .12	NO NO		49 49	
D 761Y ~~D 7 Y~~			P76-E27 P74-F21	89 85				.12 .12	NO NO		49 49	
D 762 ~~D 762~~	8				4.80 4.80	4.50 4.50				A,6A B,7	67, 70 ~~79~~ 70	
D 762A ~~D 762A~~	2		SHLD D762 E17-B					.25 .38	NO NO			
D 762L ~~D 762L~~			P76-E29 P81-D18	89 71				.12 .12	NO NO		49 49	
D 762R ~~D 762R~~			P76-E28 P81-D17	89 71							49 49	
D 763 ~~D 763~~	8				4.80 4.80	4.50 4.50				A,6A B,7	67, 70 70	
D 763A ~~D 763A~~	2		SHLD D763 E17-B	33				.25 .38	NO NO			
D 763L ~~D 763L~~			P76-E31 P81-D20	89 71				.12 .12	NO NO		49 49	
D 763R ~~D 763R~~			P76-E30 P81-D19	89 71				.12 .12	NO NO		49 49	
D 764 ~~D 764~~	8				4.80 4.80	4.50 4.50				B,7 A,6A	70 67,70	
D 764B ~~D 764B~~	2		E17-B SHLD D764	33				.38 .25	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900745~~
SCALE-NONE	REV LTR /K	SHEET 157 OF 160 ~~TT~~

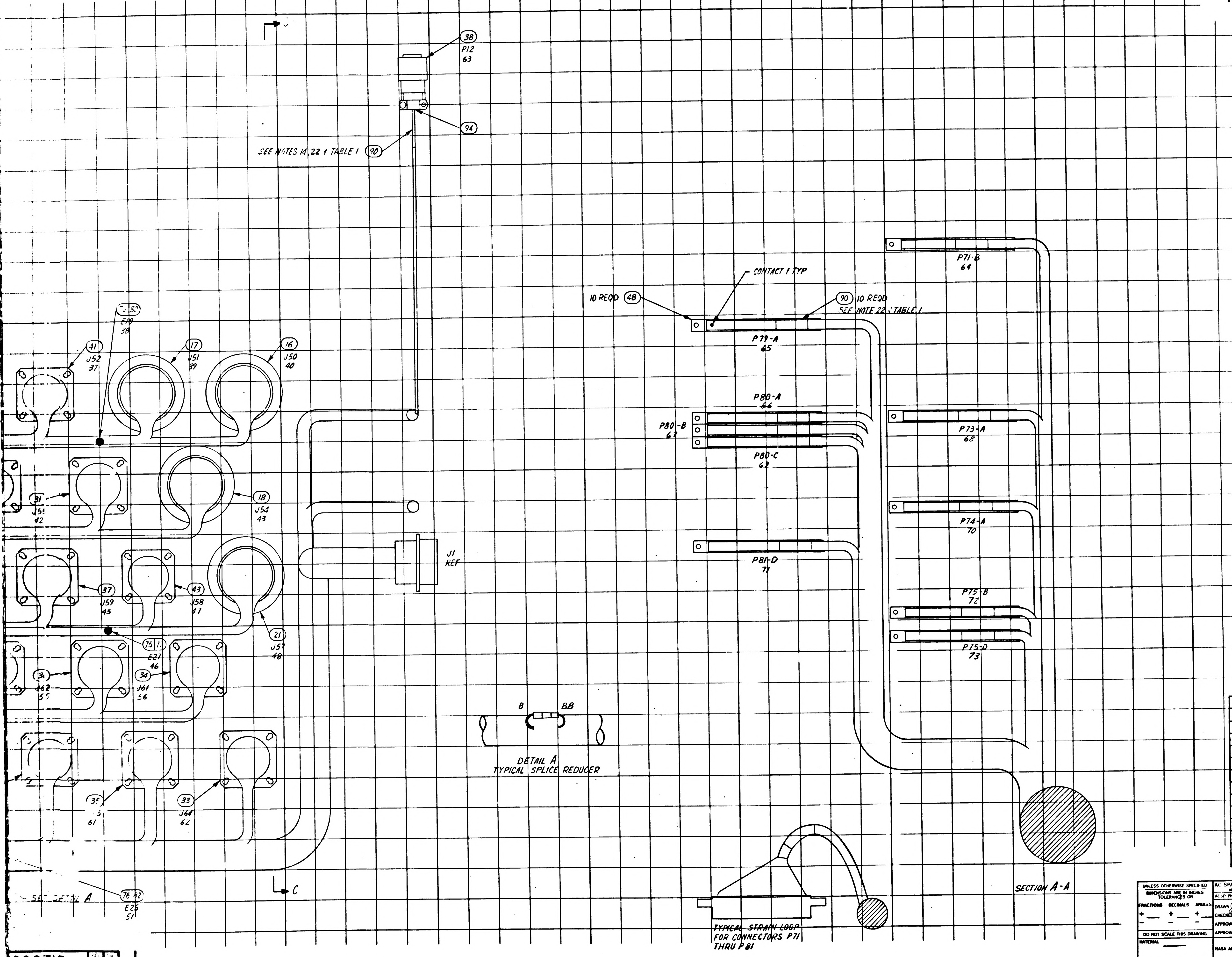
~~WIRE LIST AA~~ ~~2900118~~ ~~5~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 764L ~~D 764L~~			P74-F23 P75-E32	85 86				.12 .12	NO NO		49 49	
D 764R ~~D 764R~~			P74-F22 P75-E31	85 86				.12 .12	NO NO		49 49	
D 765 ~~D 765~~	2		TB2-21 P71-B5	64				.19 .12	NO NO		83	
D 766 ~~D 766~~	2		J10-50 J11-55	5 4				.15 .22	NO NO		63 55	
D 767 ~~D 767~~	4		J11-26 R2-1	4 117				.22 .31	NO YES		59	
D 768 ~~D 768~~	4		J11-28 R2-1	4 117				.22 .31	NO YES		59	
D 769 ~~D 769~~	4		J17-L P75-D19	14 73				.18 .22	NO NO		73 98	
D 770 ~~D 770~~	4		J17-M P75-F19	14 87				.18 .22	NO NO		73 98	

CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900107~~
SCALE-NONE	REV LTR /K	SHEET 158 OF 160 ~~6~~

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET I FOR REVISION RECORD



38
P12
63
94
SEE NOTES 14, 22 & TABLE I 90
CONTACT 1 TYP
10 REQD 48
90 10 REQD
SEE NOTE 22 & TABLE I
P79-A
65
P71-B
64
P80-A
66
P80-B
67
P80-C
62
P73-A
68
P74-A
70
P81-D
71
P75-B
72
P75-D
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J61
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33
J64
62
SEE DETAIL A
76
E25
51
C
B
BB
DETAIL A
TYPICAL SPLICE REDUCER
SECTION A-A
TYPICAL STRAIN LOOP FOR CONNECTORS P71 THRU P81

TABLE II

CRIMP AND INSTALL SPARE PINS ITEM (49)

CONNECTOR	PINS
~~P 76-E~~	~~30, 31 & 32~~
P 77-E	1, 2, 3, 4, 17, 18, 19 & 20
P 77-F	1, 2, 3, 4, 17, 18, 19 & 20
P 78-E	1, 2 & 3
P 78-F	1, 2 & 3
P 80-E	29, 30, 31 & 32
P 80-F	29, 30, 31 & 32
P 82-F	1, 2, 3 & 4
P 83-E	29, 30, 31 & 32
P 83-F	29, 30, 31 & 32

TABLE I

MARKING FOR IDENTIFICATION BANDS		
P1/JA	P76-E/J76-E	P81-D/J81-D
P12/A1J4	P76-F/J76-F	P82-F/J82-F
P70-E/J70-E	~~P77-E/J77-E~~	P83-E/J83-E
P71-B/J71-B	P77-F/J77-F	P83-F/J83-F
P73-A/J73-A	P78-E/J78-E	P78-F/J78-F
P73-F/J73-F	P79-A/J79-A	
P74-A/J74-A	P79-E/J79-E	
P74-E/J74-E	~~P79-F/J79-F~~	
P74-F/J74-F	P80-A/J80-A	
P75-B/J75-B	P80-B/J80-B	
P75-D/J75-D	P80-C/J80-C	
P75-E/J75-E	P80-E/J80-E	
P75-F/J75-F	P80-F/J80-F	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN G. Klingel DATE 8 SEP 65
CHECKED C. WILSON 3 SEP 65
APPROVAL J. Bues 3 SEP 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL 29 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS D

CODE IDENT NO. 99974
SIZE J2
2900719
SCALE FULL
SHEET 159 OF 160

2900719

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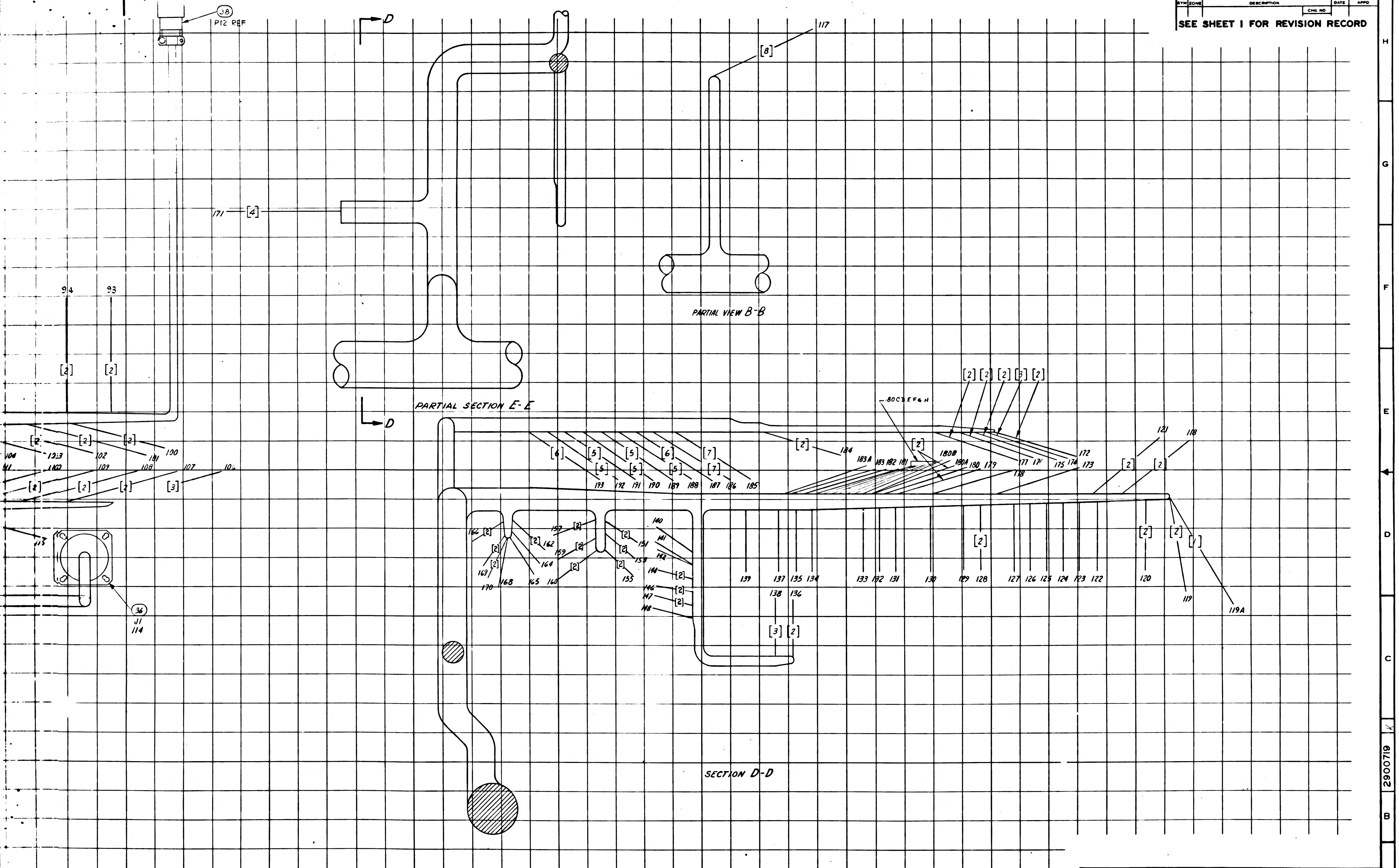
REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



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A
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P12 REF
D
117
[8]
171
[4]
PARTIAL VIEW B-B
94
93
[2]
[2]
PARTIAL SECTION E-E
D
-180C,D,E,F,G,H
[2] [2] [2] [3] [2]
[2]
104
123
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[2]
[3]
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J1
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[6] [5] [5] [6] [7]
[5] [5] [5] [7]
193 192 191 190 189 188 187 186 185
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183A 183 182 181
180B
180A 180 179
177 171 175 174 172 173
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138 136
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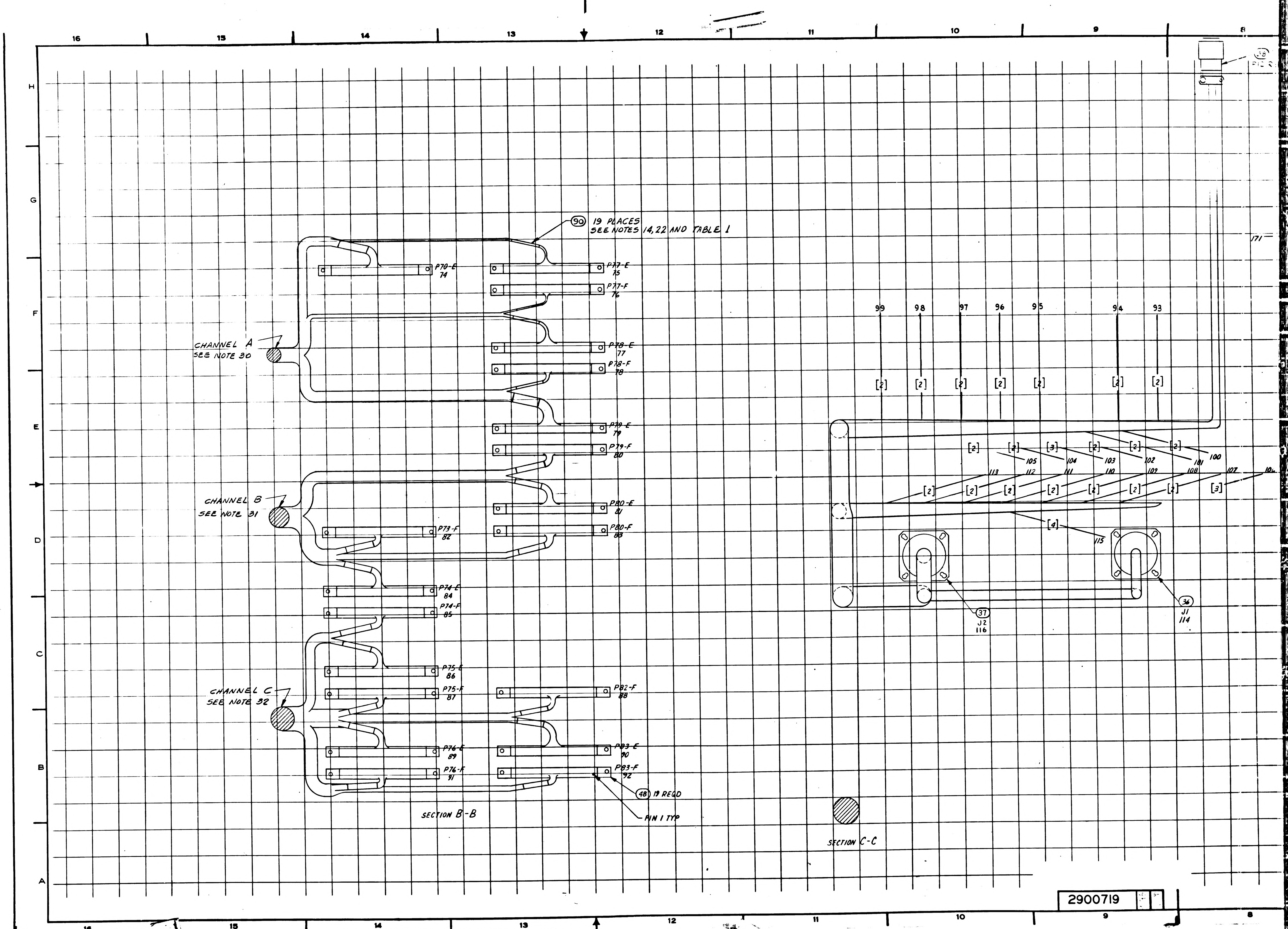
119A
[1]
SECTION D-D

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ___ ± ___ ± ___	AC SPARK PLUG DIVISION, GMC MILWAUKEE WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN Klemp DATE 2 SEP 65 CHECKED C WILSON 3 SEP 65 APPROVAL 3 SEP 65 APPROVAL 10-27-65	WIRING HARNESS D
DO NOT SCALE THIS DRAWING		
MATERIAL ___	NASA APPROVAL	CODE IDENT NO 99974 | SIZE J₂ | 2900719
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL | SHEET 160 OF 160


16
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H
G
F
E
D
C
B
A
(90) 19 PLACES
SEE NOTES 14,22 AND TABLE 1
P70-E
74
P77-E
75
P77-F
76
CHANNEL A
SEE NOTE 30
P78-E
77
P78-F
78
P79-E
79
P79-F
80
CHANNEL B
SEE NOTE 31
P80-E
81
P73-F
82
P80-F
83
P74-E
84
P74-F
85
P75-E
86
P75-F
87
CHANNEL C
SEE NOTE 32
P82-F
88
P76-E
89
P83-E
90
P76-F
91
P83-F
92
(48) 19 REQD
PIN 1 TYP
SECTION B-B
SECTION C-C
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(37)
J2
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J1
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(38)

2900719

1/2900719

APPLICATION	
NEXT ASSY	USED ON
2900024-011	2900024-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
E	REPLACES REV D WITH CHANGE PER MXC 205052	11 OCT 65	J J J
F	REVISED PER MXC205443	13 OCT 65	J J J
G	REVISED PER MXC205507	19 OCT 65	JJJ
H	REVISED PER MXC 309805	19 OCT. 65	W.S
J	REVISED PER MYC 206175	20 OCT 65	RP. W.S
(M) K	INITIAL RELEASE CLASS A PER TDRR 23557	21 OCT '65	GR CW
L	REVISED PER TDRR 24153	29 NOV 65	JHP MEM

	REV	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
	SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
REV STATUS	REV			L	L	K	K	K	K	K	K	K	L	K	K	L	K	K	K	K	K	K	K	K	K	K	
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21			

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN J. KILVINGER DATE 2 SEP 65
CHECKED C WILSON 3 SEP 65
APPROVAL 3 SEP 65
APPROVAL 10.27

WIRING: HARNESS D

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900719	L

CONTRACT NAS9-497

SCALE —

SHEET 1 OF 160

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
48	K	84	K	120	K	156	K								
49	K	85	K	121	K	157	K								
50	K	86	K	122	K	158	K								
51	K	87	K	123	K	159	K								
52	K	88	K	124	K	160	K								
53	K	89	K	125	K										
54	K	90	K	126	K										
55	K	91	K	127	K										
56	K	92	K	128	K										
57	K	93	K	129	K										
58	K	94	K	130	K										
59	K	95	K	131	K										
60	K	96	K	132	K										
61	K	97	K	133	K										
62	K	98	K	134	K										
63	K	99	K	135	K										
64	K	100	K	136	K										
65	K	101	K	137	K										
66	K	102	K	138	K										
67	K	103	K	139	K										
68	K	104	K	140	L										
69	K	105	K	141	K										
70	K	106	K	142	K										
71	K	107	K	143	L										
72	K	108	K	144	K										
73	K	109	K	145	K										
74	K	110	K	146	K										
75	K	111	K	147	K										
76	K	112	K	148	K										
77	K	113	K	149	K										
78	K	114	K	150	K										
79	K	115	K	151	K										
80	K	116	K	152	K										
81	K	117	K	153	K										
82	K	118	K	154	K										
83	K	119	K	155	K										

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

REVISION
L

NASA DRAWING NO.
2900719
SHEET 2 OF 160

NOTE NUMBER GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019.

6 APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND 1002019.

7 ITEMS 68, 69, 70, AND 71 TO BE LOCATED ADJACENT TO ITEMS 66 AND 67

8 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

9 GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEMS 65 AND 74.

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 86 OR ITEMS 87 AND 88.

11 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

12 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

13 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

14 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 89.

15 LACE HARNESS USING ITEM 89.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 3 OF ~~157~~ 160

NOTE NUMBER GENERAL NOTES DESCRIPTION

16 ITEM 54 LOCATED ON THE PREPARED LEAD END OF ALL MULTI-LEADS WHEN SPECIFIED

17 ITEMS 73 AND 74 FURNISHED WITH ITEM 29

18 ITEMS 63 AND 65 FURNISHED WITH ITEMS 26, 27, AND 28

19 ITEMS 64 AND 65 FURNISHED WITH ITEMS 23, 24, AND 25

20 ITEM 61 FURNISHED WITH ITEMS 33,34,35,36,37,38,41,42,43,45,46, AND 47.

21 ITEM 62 FURNISHED WITH ITEMS 31,32,39,40, AND 44.

22 MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.

23 TAPE HARNESS USING ITEM 91 AT POINTS WHERE ABRASION MAY OCCUR AT NEXT HIGHER ASSEMBLY.

24 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 4 OF ~~157~~ 160

NOTE NUMBER GENERAL NOTES DESCRIPTION

25 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
E - GRAY
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
X - COAX OUTER CONDUCTOR
Y - WHITE WITH YELLOW TRACER

26 ITEM 93 FURNISHED WITH ITEM 38.

27 IN CIRCUIT POINT FIELD---
I - INDICATES INNER LEAD
O - INDICATES OUTER LEAD

28 ASSEMBLE PER ND1002032

29 TYPICAL INSTALLATION OF CONTACTS
A - ASSEMBLE HYRING OVER BOTH LEADS
B - ASSEMBLE OUTER SLEEVE, INNER SLEEVE, AND INNER CONTACT TO INNER LEAD IN ORDER LISTED. CRIMP CONTACT.
C - ASSEMBLE OUTER CONTACT TO INNER CONTACT. SLIDE OUTER SLEEVE OVER OUTER CONTACT UNTIL SEATED. LAY OUTER LEAD AGAINST OUTER CONTACT IN OPEN SECTION OF OUTER SLEEVE.
D - SLIDE HYRING FORWARD AGAINST SPRING AND CRIMP.

30 LEADS TERMINATING AT TERMINATIONS 74 THRU 79 SHALL BE ROUTED ALONG CHANNEL A.

31 LEADS TERMINATING AT TERMINATIONS 80 THRU 84 SHALL BE ROUTED ALONG CHANNEL B.

32 LEADS TERMINATING AT TERMINATIONS 85 THRU 92 SHALL BE ROUTED ALONG CHANNEL C.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 5 OF ~~157~~ 160

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

33 LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 98 WHENEVER ITEMS 4,10, AND 14 ARE SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .062 INCH.

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR ~~F~~ K	SHEET 6 OF ~~157~~ 160

WIRING HARNESS D 2900719 K F H

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900719-001	WIRE ND1002181, TYPE 1, CLASS 1, 24AWG WHT 440 FT TOTAL LENGTH
	2	1	2900719-002	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG WHT ~~1560~~ 1600 FT TOTAL LENGTH
	3	1	2900719-003	WIRE ND1002181, TYPE 1, CLASS 1, 20AWG WHT ~~1840~~ 1845 FT TOTAL LENGTH
	4	1	2900719-004	WIRE ND1002181, TYPE 1, CLASS 1, 16AWG WHT ~~325~~ ~~318~~ 337 FT TOTAL LENGTH
	5	1	2900719-005	WIRE ND1002181, TYPE 1, CLASS 4, WHT JKT, 24AWG WHT, 86 FT TOTAL LENGTH
	6	1	2900719-006	WIRE ND1002181, TYPE 1, CLASS 4, WHT JKT, 22AWG WHT, 160 FT TOTAL LENGTH
	7	1	2900719-007	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 24AWG (WHT/BLUE,WHT/RED), 630 FT TOTAL LENGTH
	8	1	2900719-008	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 22AWG (WHT/BLUE,WHT/RED), ~~527~~ 533 FT TOTAL LENGTH
	9	1	2900719-009	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 20AWG (WHT/BLUE,WHT/RED), 644 FT TOTAL LENGTH
	10	1	2900719-010	WIRE ND1002181, TYPE 2, CLASS 4, WHT JKT, 16AWG (WHT/BLUE,WHT/RED), 7 FT TOTAL LENGTH
	11	1	2900719-011	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 24AWG (WHT/BLUE,WHT/RED,WHT/YEL), 30 FT TOTAL LG
	12	1	2900719-012	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 22AWG (WHT/BLUE,WHT/RED,WHT/YEL), ~~10~~ 12 FT TOTAL LG

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR F H K	SHEET 7 OF ~~157~~ 160	

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 F K

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	13	1	2900719-013	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 20AWG (WHT/BLUE,WHT/RED,WHT/YEL), 16 FT TOTAL LG
	14	1	2900719-014	WIRE ND1002181, TYPE 3, CLASS 4, WHT JKT, 16AWG (WHT/BLUE,WHT/RED,WHT/YEL), 11 FT TOTAL LG
	15	1	2900719-015	WIRE COAXIAL MIL-C-17/69A RG 188/U, 16 FT TOTAL LENGTH
11	16	1	1897214-001	CONNECTOR, RECP
11	17	1	1897214-002	CONNECTOR, RECP
11	18	2	1897214-003	CONNECTOR, RECP
11	19	1	1897214-004	CONNECTOR, RECP
11	20	1	1897214-005	CONNECTOR, RECP
11	21	1	1897214-011	CONNECTOR, RECP
11	22	1	1897214-013	CONNECTOR, RECP
11	23	1	1897247-001	CONNECTOR, RECP
11	24	1	1897247-006	CONNECTOR, RECP
11	25	1	1897247-009	CONNECTOR, RECP
11	26	1	1897252-101	CONNECTOR, RECP
11	27	1	1897252-103	CONNECTOR, RECP
11	28	1	1897252-104	CONNECTOR, RECP
11	29	1	1897305-006	CONNECTOR, RECP

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR F K	SHEET 8 OF ~~157~~ 160	

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 F K

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	30	1	1016059-100	CONNECTOR, PLUG
	31	2	MS3127E24-61P	(1897055-610) CONNECTOR, RECP
	32	1	MS3127E24-61PX	(1897055-612) CONNECTOR, RECP
	33	1	MS3127E24-61S	(1897056-610) CONNECTOR, RECP
	34	1	MS3127E24-61SW	(1897056-611) CONNECTOR, RECP
	35	1	MS3127E24-61SX	(1897056-612) CONNECTOR, RECP
	36	3	MS3127E24-61SY	(1897056-613) CONNECTOR, RECP
	37	2	MS3127E24-61SZ	(1897056-614) CONNECTOR, RECP
	38	1	MS3126F12-10S	(1897039-100) CONNECTOR, PLUG
	39	1	MS3127E22-55PW	(1897053-551) CONNECTOR, RECP
	40	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECP
	41	1	MS3127E22-55S	(1897054-550) CONNECTOR, RECP
	42	1	MS3127E22-55SX	(1897054-552) CONNECTOR, RECP
	43	1	MS3127E22-55SY	(1897054-553) CONNECTOR, RECP
	44	1	MS3127E22-21P	(1897053-210) CONNECTOR, RECP
	45	1	MS3127E22-55SW	(1897054-551) CONNECTOR, RECP
	46	1	MS3127E14-19S	(1897116-190) CONNECTOR, RECP
	47	1	MS3127E20-41S	(1897052-410) CONNECTOR, RECP

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR F K	SHEET 9 OF ~~157~~ 160	

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 L F

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	48	29	1897267-001	CONNECTOR, RECP
11	49	~~603~~ 623	1897266-001	CONTACT,RECEPTACLE
11	50	~~111~~ 110	1016369-188	CONTACT INNER MALE
11	51	~~75~~ 74	1016369-288	CONTACT OUTER MALE
11	52	74	1016369-388	CONTACT INNER FEMALE
11	53	110	1016369-488	CONTACT OUTER FEMALE
11	54	~~191~~ 190	1016369-588	HYRING
11	55	~~29~~ ~~30~~ 32	1016369-421	CONTACT FEMALE
11	56	5	1016369-420	CONTACT MALE
11	57	75	1016369-712	INNER SLEEVE
11	58	~~185~~ 184	1016369-713	OUTER SLEEVE
11	59	~~24~~ 25	1016369-721	CONTACT FEMALE
11	60	~~109~~ 108	1016369-711	INNER SLEEVE
	61		MS3193A-20A	(1896877-020) CONTACT SOCKET
	62		MS3192A-20A	(1896855-020) CONTACT PIN
11	63		1897190- 1	CONTACT, ELECTRICAL, PIN
11	64		1897190- 2	CONTACT, ELECTRICAL, SOCKET
11	65		1010958- 1	SEALING PLUG

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR F L	SHEET 10 OF ~~157~~ 160	

MIL 2074 3-63 WIR

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	66	~~34~~ 7	1010763- ~~2~~ -3	SOLDER SLEEVE
11	67	~~314~~ ~~341~~ 345	1010763- ~~3~~ -2	SOLDER SLEEVE
11	68	10	1010490-222	INSULATION SLEEVING, ELEC HT SHRINK
11	69	188	1010490-226	INSULATION SLEEVING, ELEC HT SHRINK
11	70	~~361~~ 369	1010490-228	INSULATION SLEEVING, ELEC HT SHRINK
11	71	64	1010490-232	INSULATION SLEEVING, ELEC HT SHRINK
11	72	4	1015864-172	INSULATION SLEEVING, ELEC
11	73			CONTACT PINS
11	74			SEALING PLUGS
11	75	5	1016006-001	SPLICE REDUCER
11	76	~~10~~ 9	1016006-002	SPLICE REDUCER
11	77	~~8~~ 9	1016006-003	SPLICE REDUCER
11	78	6	1016006-004	SPLICE REDUCER
11	79	5	1010490-200	INSULATION SLEEVING, ELEC HT SHRINK
11	80	~~10~~ 9	1010490-258	INSULATION SLEEVING, ELEC HT SHRINK
11	81	~~8~~ 9	1010490-256	INSULATION SLEEVING, ELEC HT SHRINK
11	82	6	1010490-248	INSULATION SLEEVING, ELEC HT SHRINK
11	83	~~41~~ 43	1015902- 49	TERMINAL LUG

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 11 OF ~~157~~ 160

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	84	~~20~~ 21	1015902- 8	TERMINAL LUG
11	85	6	1015864-225	INSULATION SLEEVING, ELEC
	86	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)
	87	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
	88	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	89	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732) ~~NO. 18)~~
11	90	32	1016128-011	BAND, IDENTIFICATION-BLANK
	91	AR	MIL-I-15126F	INSULATION-TAPE, ELECTRICAL, PRESSURE SENSITIVE THERMO-SETTING ADHESIVE TYPE ACT .75 PLUS OR MINUS .03 WIDE (ES2716 TYPE C)
11	92	52	1015864-169	INSULATION SLEEVING
11	93	1	1016282- 12	GROMMET, RUBBER
11	94	AR	1901390	FILLER, TAPE
11	95	2	1015902- 12	TERMINAL LUG
	96	1	2900719-016	WIRE ND1002181 TYPE 1, CLASS 1, 12AWG WHITE 9 FT TOTAL LENGTH
11	97	1	1015902- 50	TERMINAL LUG
11	98	~~18~~ ~~19~~ 17	1897266-004	CONTACT, RECEPTACLE
11	99	3	1016369-720	CONTACT, MALE

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 12 OF ~~157~~ 160

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	100	~~AR~~	DELETED ~~MIL-T-713~~	~~LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO. 24)~~

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 13 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 1	3		J1-B E25-B	114 50				.22 .38	NO NO		61	
D 2	3		J1-S P74-F27	114 85				.22 .12	NO NO		61 49	
D 3	3		J1-T P74-A32	114 70				.22 .12	NO NO		61 49	
D 4	3		J1-U P74-F30	114 85				.22 .12	NO NO		61 49	
D 5	3		J1-V P71-B27	114 64				.22 .12	NO NO		61 49	
D 6	3		J1-W P71-B28	114 64				.22 .12	NO NO		61 49	
D 7	3		J1-X P71-B29	114 64				.22 .12	NO NO		61 49	
D 8	9				2.30 3.30	2.00 3.00				B,7 B,7	69 69	
D 8L			J1-Z P79-A19	114 65				.22 .12	NO NO		61 49	
D 8R			J1-Y P79-A17	114 65				.22 .12	NO NO		61 49	
D 9	9				2.30 3.30	2.00 3.00				B,7 A,6A	69 67, 69	
D 9A	2		SHLD D9 E25-B	 51				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 14 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 9L			J1-B* P79-A25	114 65				.22 .12	NO NO		61 49	
D 9R			J1-A* P79-A24	114 65				.22 .12	NO NO		61 49	
D 10	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 10A	2		SHLD D10 J1-E*	 114				.25 .22	NO NO		 61	
D 10B	2		P74-A3 SHLD D10	70				.12 .25	NO NO		49	
D 10L			J1-D* P74-A2	114 70				.22 .12	NO NO		61 49	
D 10R			J1-C* P74-A1	114 70				.22 .12	NO NO		61 49	
D 11	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 11A	2		SHLD D11 J1-H*	 114				.25 .22	NO NO		 61	
D 11B	2		P74-A6 SHLD D11	70				.12 .25	NO NO		49	
D 11L			J1-G* P74-A5	114 70				.22 .12	NO NO		61 49	
D 11R			J1-F* P74-A4	114 70				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 15 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 12	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 12A	2		SHLD D12 J1-K*	 114				.25 .22	NO NO		 61	
D 12B	2		P74-A9 SHLD D12	70				.12 .25	NO NO		49	
D 12L			J1-J* P74-A8	114 70				.22 .12	NO NO		61 49	
D 12R			J1-I* P74-A7	114 70				.22 .12	NO NO		61 49	
D 13	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 13A	2		SHLD D13 J1-P*	 114				.25 .22	NO NO		 61	
D 13B	2		P74-A12 SHLD D13	70				.12 .25	NO NO		49	
D 13L			J1-N* P74-A11	114 70				.22 .12	NO NO		61 49	
D 13R			J1-M* P74-A10	114 70				.22 .12	NO NO		61 49	
D 14	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 14A	2		SHLD D14 J1-S*	 114				.25 .22	NO NO		 61	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 16 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 14B	2		P74-A15 SHLD D14	70				.12 .25	NO NO		49	
D 14L			J1-R* P74-A14	114 70				.22 .12	NO NO		61 49	
D 14R			J1-Q* P74-A13	114 70				.22 .12	NO NO		61 49	
D 15	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 15A	2		SHLD D15 J1-V*	 114				.25 .22	NO NO		 61	
D 15B	2		P74-A18 SHLD D15	70				.12 .25	NO NO		49	
D 15L			J1-U* P74-A17	114 70				.22 .12	NO NO		61 49	
D 15R			J1-T* P74-A16	114 70				.22 .12	NO NO		61 49	
D 16	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 16A	2		SHLD D16 J1-Y*	 114				.25 .22	NO NO		 61	
D 16B	2		P81-D3 SHLD D16	71				.12 .25	NO NO		49	
D 16L			J1-X* P81-D2	114 71				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 17 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 16R			J1-W* P81-D1	114 71				.22 .12	NO NO		61 49	
D 17	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 17A	2		SHLD D17 J1-BB	 114				.25 .22	NO NO		 61	
D 17B	2		P81-D6 SHLD D17	71				.12 .25	NO NO		49	
D 17L			J1-AA P81-D5	114 71				.22 .12	NO NO		61 49	
D 17R			J1-Z* P81-D4	114 71				.22 .12	NO NO		61 49	
D 18	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 18A	2		SHLD D18 J1-EE	 114				.25 .22	NO NO		 61	
D 18B	2		P81-D29 SHLD D18	71				.12 .25	NO NO		49	
D 18L			J1-DD P81-D28	114 71				.22 .12	NO NO		61 49	
D 18R			J1-CC P81-D27	114 71				.22 .12	NO NO		61 49	
D 19	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 18 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 19A	2		SHLD D19 J1-HH	 114				.25 .22	NO NO		 61	
D 19B	2		P81-D32 SHLD D19	71 				.12 .25	NO NO		49 	
D 19L			J1-GG P81-D31	114 71				.22 .12	NO NO		61 49	
D 19R			J1-FF P81-D30	114 71				.22 .12	NO NO		61 49	
D 20	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 20A	2		SHLD D20 J1-LL	 114				.25 .22	NO NO		 61	
D 20B	2		P73-A3 SHLD D20	68 				.12 .25	NO NO		49 	
D 20L			J1-KK P73-A2	114 68				.22 .12	NO NO		61 49	
D 20R			J1-JJ P73-A1	114 68				.22 .12	NO NO		61 49	
D 21	8				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70 67, 70	
D 21A	2		SHLD D21 J1-PP	 114				.25 .22	NO NO		 61	
D 21B	2		P73-A6 SHLD D21	68 				.12 .25	NO NO		49 	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 19 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 21L			J1-NN P73-A5	114 68				.22 .12	NO NO		61 49	
D 21R			J1-MM P73-A4	114 68				.22 .12	NO NO		61 49	
D 22	3		J2-G* A2-7	116 179				.22 .31	NO YES		61 	
D 23	3		J2-H* A2-11	116 180A				.22 .31	NO YES		61 	
D 24	3		J2-I* P74-A30	116 68				.22 .12	NO NO		61 49	
D 25	3		J2-J* P74-A29	116 68				.22 .12	NO NO		61 49	
D 26	3		J2-K* P74-F29	116 				.22 .12	NO NO		61 49	
D 27	2		J2-M* J16-66	116 8				.22 .15	NO NO		61 63	
D 28	2		J2-N* J16-65	116 8				.22 .15	NO NO		61 63	
D 29	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 29A	2		SHLD D29 J2-S*	 116				.25 .22	NO NO		 61	
D 29B	2		P79-A8 SHLD D29	65 				.12 .25	NO NO		49 	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 20 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 29L			J2-R* P79-A7	116 65				.22 .12	NO NO		61 49	
D 29R			J2-Q* P79-A6	116 65				.22 .12	NO NO		61 49	
D 30	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 30A	2		SHLD D30 J2-V*	 116				.25 .22	NO NO		 61	
D 30B	2		P79-A5 SHLD D30	65 				.12 .25	NO NO		49 	
D 30L			J2-U* P79-A4	116 65				.22 .12	NO NO		61 49	
D 30R			J2-T* P79-A3	116 65				.22 .12	NO NO		61 49	
D 31	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 31A	2		SHLD D31 J2-Y*	 116				.25 .22	NO NO		 61	
D 31B	2		P79-A14 SHLD D31	65 				.12 .25	NO NO		49 	
D 31L			J2-X* P79-A13	116 65				.22 .12	NO NO		61 49	
D 31R			J2-W* P79-A12	116 65				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 21 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 32	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 32A	2		SHLD D32 J2-BB	 116				.25 .22	NO NO		 61	
D 32B	2		P79-A11 SHLD D32	65 				.12 .25	NO NO		49 	
D 32L			J2-AA P79-A10	116 65				.22 .12	NO NO		61 49	
D 32R			J2-Z* P79-A9	116 65				.22 .12	NO NO		61 49	
D 33	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 33A	2		SHLD D33 J2-EE	 116				.25 .22	NO NO		 61	
D 33B	2		P73-A23 SHLD D33	68 				.12 .25	NO NO		49 	
D 33L			J2-DD P73-A22	116 68				.22 .12	NO NO		61 49	
D 33R			J2-CC P73-A21	116 68				.22 .12	NO NO		61 49	
D 34	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 34A	2		SHLD D34 J2-HH	 116				.25 .22	NO NO		 61	

CODE IDENT NO. 99974 | SIZE A | 2900719
SCALE-NONE | REV LTR FK | SHEET 22 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 34B	2		P73-A26 SHLD D34	68				.12 .25	NO NO		49	
D 34L			J2-GG P73-A25	116 68				.22 .12	NO NO		61 49	
D 34R			J2-FF P73-A24	116 68				.22 .12	NO NO		61 49	
D 35	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 35A	2		SHLD D35 J2-LL	 116				.25 .22	NO NO		 61	
D 35B	2		P73-A29 SHLD D35	68				.12 .25	NO NO		49	
D 35L			J2-KK P73-A28	116 68				.22 .12	NO NO		61 49	
D 35R			J2-JJ P73-A27	116 68				.22 .12	NO NO		61 49	
D 36	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 36A	2		SHLD D36 J2-PP	 116				.25 .22	NO NO		 61	
D 36B	2		P73-A32 SHLD D36	68				.12 .25	NO NO		49	
D 36L			J2-NN P73-A31	116 68				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 23 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 36R			J2-MM P73-A30	116 68				.22 .12	NO NO		61 49	
D 37	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 37A	2		SHLD D37 J10-21	 5				.25 .15	NO NO		 63	
D 37B	2		P74-F3 SHLD D37	85				.12 .25	NO NO		49	
D 37L			J10-20 P74-F2	5 85				.15 .12	NO NO		63 49	
D 37R			J10-8 P74-F1	5 85				.15 .12	NO NO		63 49	
D 38	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 38A	2		SHLD D38 J10-19	 5				.25 .15	NO NO		 63	
D 38B	2		P74-F6 SHLD D38	85				.12 .25	NO NO		49	
D 38L			J10-18 P74-F5	5 85				.15 .12	NO NO		63 49	
D 38R			J10-7 P74-F4	5 85				.15 .12	NO NO		63 49	
D 39	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 24 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 39A	2		SHLD D39 J10-29	 5				.25 .15	NO NO		 63	
D 39B	2		P74-F9 SHLD D39	85				.12 .25	NO NO		49	
D 39L			J10-28 P74-F8	5 85				.15 .12	NO NO		63 49	
D 39R			J10-13 P74-F7	5 85				.15 .12	NO NO		63 49	
D 40	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 40A	2		SHLD D40 J10-27	 5				.25 .15	NO NO		 63	
D 40B	2		P74-F12 SHLD D40	85				.12 .25	NO NO		49	
D 40L			J10-26 P74-F11	5 85				.15 .12	NO NO		63 49	
D 40R			J10-12 P74-F10	5 85				.15 .12	NO NO		63 49	
D 41	8				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70 67, 70	
D 41A	2		SHLD D41 J10-57	 5				.25 .15	NO NO		 63	
D 41B	2		P74-F15 SHLD D41	85				.12 .25	NO NO		49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 25 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 41L			J10-56 P74-F14	5 85				.15 .12	NO NO		63 49	
D 41R			J10-34 P74-F13	5 85				.15 .12	NO NO		63 49	
D 42	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 42A	2		SHLD D42 J10-33	 5				.25 .15	NO NO		 63	
D 42B	2		P74-F18 SHLD D42	85				.12 .25	NO NO		49	
D 42L			J10-55 P74-F17	5 85				.15 .12	NO NO		63 49	
D 42R			J10-32 P74-F16	5 85				.15 .12	NO NO		63 49	
D 43	8				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70 67, 70	
D 43A	2		SHLD D43 J10-15	 5				.25 .15	NO NO		 63	
D 43B	2		P76-F3 SHLD D43	91				.12 .25	NO NO		49	
D 43L			J10-14 P76-F2	5 91				.15 .12	NO NO		63 49	
D 43R			J10-5 P76-F1	5 91				.15 .12	NO NO		63 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR FK | SHEET 26 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 44	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 44A	2		SHLD D44					.25	NO			
			J10-6	5				.15	NO		63	
D 44B	2		P76-F6	91				.12	NO		49	
			SHLD D44					.25	NO			
D 44L			J10-16	5				.15	NO		63	
			P76-F5	91				.12	NO		49	
D 44R			J10-17	5				.15	NO		63	
			P76-F4	91				.12	NO		49	
D 45	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 45A	2		SHLD D45					.25	NO			
			J10-23	5				.15	NO		63	
D 45B	2		P76-F9	91				.12	NO		49	
			SHLD D45					.25	NO			
D 45L			J10-22	5				.15	NO		63	
			P76-F8	91				.12	NO		49	
D 45R			J10-9	5				.15	NO		63	
			P76-F7	91				.12	NO		49	
D 46	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 46A	2		SHLD D46					.25	NO			
			J10-11	5				.15	NO		63	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 46B	2		P76-F12	91				.12	NO		49	
			SHLD D46					.25	NO			
D 46L			J10-24	5				.15	NO		63	
			P76-F11	91				.12	NO		49	
D 46R			J10-10	5				.15	NO		63	
			P76-F10	91				.12	NO		49	
D 47	8				3.30	3.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 47A	2		SHLD D47					.25	NO			
			J10-52	5				.15	NO		63	
D 47B	2		P76-F15	91				.12	NO		49	
			SHLD D47					.25	NO			
D 47L			J10-51	5				.15	NO		63	
			P76-F14	91				.12	NO		49	
D 47R			J10-30	5				.15	NO		63	
			P76-F13	91				.12	NO		49	
D 48	8				3.30	3.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 48A	2		SHLD D48					.25	NO			
			J10-54	5				.15	NO		63	
D 48B	2		P76-F18	91				.12	NO		49	
			SHLD D48					.25	NO			
D 48L			J10-53	5				.15	NO		63	
			P76-F17	91				.12	NO		49	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 48R			J10-31	5				.15	NO		63	
			P76-F16	91				.12	NO		49	
D 49	2		J10-25	5				.15	NO		63	
			P70-E21	74				.12	NO		49	
D 50	5				3.30	3.00				A,6A	~~66,~~ 67 71	
					3.30	3.00				B,7	71	
D 50A	1		SHLD D50					.25	NO			
			E6-B	1				.38	NO			
D 50W			J10-1	5				.15	NO		63	
			P75-B5	72				.12	NO		49	
D 51	5				3.30	3.00				A,6A	~~66,~~ 67 71	
					3.30	3.00				B,7	71	
D 51A	1		SHLD D51					.25	NO			
			E6-B	1				.38	NO			
D 51W			J10-2	5				.15	NO		63	
			P75-B16	72				.12	NO		49	
D 52	5				3.30	3.00				A,6A	~~66,~~ 67 71	
					3.30	3.00				B,7	71	
D 52A	1		SHLD D52					.25	NO			
			E6-B	1				.38	NO			
D 52W			J10-3	5				.15	NO		63	
			P75-B9	72				.12	NO		49	
D 53	5				3.80	3.50				A,6A	~~66,~~ 67 71	
					3.80	3.50				B,7	71	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 53A	1		SHLD D53					.25	NO			
			E6-B	1				.38	NO			
D 53W			J10-4	5				.15			63	
			P75-B11	72				.12	NO		49	
D 54	2		P76-F22	91				.12	NO			
			E26-B	32A				.38	NO			
D 55	2		P76-E2	89				.12	NO			
			E26-B	32A				.38	NO			
D 56	2		P76-E4	89				.12	NO			
			E26-B	32A				.38	NO			
D 57	2		J10-63	5				.15	NO		63	
			E6-B	1				.38	NO			
D 58	8				3.80	3.50				B,7	70	
					3.80	3.50				B,7	70	
D 58L			J10-48	5				.15	NO		63	
			J11-11	4				.22	NO		55	
D 58R			J10-47	5				.15	NO		63	
			J11-10	4				.22	NO		55	
D 59	2		J10-45	5				.15	NO		63	
			J11-12	4				.22	NO		55	
D 60	8				4.30	4.00				B,7	70	
					4.30	4.00				B,7	70	
D 60L			J10-44	5				.15	NO		63	
			J11-15	4				.22	NO		55	

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 60R			J10-43 J11-14	5 4				.15 .22	NO NO		63 55	
D 61	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 61L			J10-49 J11-16	5 4				.15 .22	NO NO		63 55	
D 61R			J10-46 J11-13	5 4				.15 .22	NO NO		63 55	
D 62	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 62L			J10-36 P73-F2	5 82				.15 .12	NO NO		63 49	
D 62R			J10-35 P73-F1	5 82				.15 .12	NO NO		63 49	
D 63	8				4.30 4.30	4.00 4.00				B,7 B,7	70 70	
D 63L			J10-38 P73-F4	5 82				.15 .12	NO NO		63 49	
D 63R			J10-37 P73-F3	5 82				.15 .12	NO NO		63 49	
D 64	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 64L			J10-40 P73-F6	5 82				.15 .12	NO NO		63 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 31 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 64R			J10-39 P73-F5	5 82				.15 .12	NO NO		63 49	
D 65	8				2.30 2.30	2.00 2.00				A,6A B,7	67, 70 70	
D 65A	2		SHLD D65 E6-B	 1				.25 .38	NO NO			
D 65L			J10-61 P73-F8	5 82				.15 .12	NO NO		63 49	
D 65R			J10-60 P73-F7	5 82				.15 .12	NO NO		63 49	
D 66	~~4~~		~~J11-18~~ ~~P79-E27~~	~~4~~ ~~79~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 67	~~4~~		~~J11-20~~ ~~P79-F27~~	~~4~~ ~~80~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 68	~~4~~		~~J11-22~~ ~~P79-A27~~	~~4~~ ~~65~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~59~~ ~~98~~	
D 69	3		J56-B E21-B	41 49				.22 .38	NO NO		61	
D 70	4		J11-19 J17-Z	4 14				.22 .18	NO NO		59 73	
D 71	4		J11-21 J17-D*	4 14				.22 .18	NO NO		59 73	
D 72	4		J11-23 J17-G*	4 14				.22 .18	NO NO		59 73	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 32 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 73	4		J11-24 J17-A	4 14				.22 .18	NO NO		59 73	
D 74	4		J11-29 J17-E*	4 14				.22 .18	NO NO		59 73	
D 75	4		J11-30 J17-H*	4 14				.22 .18	NO NO		59 73	
D 76	10				2.30 2.30	2.00 2.00				A,6A B,7	67, 68 68	
D 76A	2		SHLD D76 E8-B	 3				.25 .38	NO NO			
D 76L			J11-42 J17-R	4 14				.22 .18	NO NO		59 73	
D 76R			J11-41 J17-P	4 14				.22 .18	NO NO		59 73	
D 77	14				2.30 2.30	2.00 2.00				A,6A B,7	~~67~~ 66, 68 68	
D 77A	2		SHLD D77 E8-B	 3				.25 .38	NO NO			
D 77L			J11-45 E4	4 117				.22 .31	NO NO		59	
D 77R			J11-44 E5	4 117				.22 .31	NO NO		59	
D 77Y			J11-46 R1-1	4 117				.22 .31	NO YES		59	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 33 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 78	4		J11-25 XF13-2	4 103				.22 .31	NO YES		59	
D 79	4		J11-27 XF13-2	4 103				.22 .31	NO YES		59	
D 80	~~4~~		~~J11-26~~ ~~J17-A*~~	~~4~~ ~~14~~	DELETED			~~.22~~ ~~.18~~	~~NO~~ ~~NO~~		~~59~~ ~~73~~	
D 81	~~4~~		~~J11-28~~ ~~J17-B*~~	~~4~~ ~~14~~	DELETED			~~.22~~ ~~.18~~	~~NO~~ ~~NO~~		~~59~~ ~~73~~	
D 82	13				2.30 2.30	2.00 2.00				A,6A B,7	~~67~~ 66, 69 69	
D 82A	2		SHLD D82 E8-B	 3				.25 .38	NO NO			
D 82L			J11-34 P74-E28	4 84				.22 .12	NO NO		55 49	
D 82R			J11-32 P74-E25	4 84				.22 .12	NO NO		55 49	
D 82Y			J11-33 P74-E31	4 84				.22 .12	NO NO		55 49	
D 83	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 83A	2		SHLD D83 E6-B	 1				.25 .38	NO NO			
D 83L			J11-38 P74-E22	4 84				.22 .12	NO NO		55 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 34 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 83R			J11-37 P74-E21	4 84				.22 .12	NO NO		55 49	
D 84	7				2.30 3.30	2.00 3.00				A,6B A,6B	~~67,~~ 66 70, 54 ~~67,~~ 66 70	
D 84A	1		SHLD D84 J12-11/O	2				.25 .23	NO NO		53, 54	
D 84B	2		P74-E3 SHLD D84	84				.12 .25	NO NO		49	
D 84L			J12-12/O P74-E2	2 84			.34	.23 .12	NO NO		53 49	
D 84R			J12-12/I P74-E1	2 84				.22 .12	NO NO		50, 60, 58 49	SEE NOTE 29 TYP
D 85	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 85A	1		SHLD D85 J12-11/I	2				.25 .22	NO NO		50, 60, 58	
D 85B	2		P74-E6 SHLD D85	84				.12 .38	NO NO		49	
D 85L			J12-10/O P74-E5	2 84			.34	.23 .12	NO NO		53 49	
D 85R			J12-10/I P74-E4	2 84				.22 .12	NO NO		50, 60, 58 49	
D 86	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 35 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 86A	1		SHLD D86 J12-14/O	2				.25 .23	NO NO		53, 54	
D 86B	2		P74-E9 SHLD D86	84				.12 .25	NO NO		49	
D 86L			J12-15/O P74-E8	2 84			.34	.23 .12	NO NO		53 49	
D 86R			J12-15/I P74-E7	2 84				.22 .12	NO NO		50, 60, 58 49	
D 87	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 87A	1		SHLD D87 J12-14/I	2				.25 .22	NO NO		50, 60, 58	
D 87B	2		P74-E12 SHLD D87	84				.12 .25	NO NO		49	
D 87L			J12-13/O P74-E11	2 84			.34	.23 .12	NO NO		53 49	
D 87R			J12-13/I P74-E10	2 84				.22 .12	NO NO		50, 60, 58 49	
D 88	7				2.30 3.30	2.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 88A	1		SHLD D88 J12-17/O	2				.25 .23	NO NO		53, 54	
D 88B	2		P74-E15 SHLD D88	84				.12 .25	NO NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 36 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 88L			J12-18/O P74-E14	2 84			.34	.23 .12	NO NO		53 49	
D 88R			J12-18/I P74-E13	2 84				.22 .12	NO NO		50, 57, 58 49	
D 89	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 89A	1		SHLD D89 J12-17/I	2				.25 .22	NO NO		50, 57, 58	
D 89B	2		P74-E18 SHLD D89	84				.12 .38	NO NO		49	
D 89L			J12-16/O P74-E17	2 84			.34	.23 .12	NO NO		53 49	
D 89R			J12-16/I P74-E16	2 84				.22 .12	NO NO		50, 60, 58 49	
D 90	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 90A	1		SHLD D90 J12-2/I	2				.25 .22	NO NO		50, 60, 58	
D 90B	2		P73-F13 SHLD D90	82				.12 .25	NO NO		49	
D 90L			J12-1/O P73-F12	2 82			.34	.23 .12	NO NO		53 49	
D 90R			J12-1/I P73-F11	2 82				.22 .12	NO NO		50, 60, 58 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 37 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 91	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 91A	1		SHLD D91 J12-2/O	2				.25 .23	NO NO		53, 54	
D 91B	2		P73-F16 SHLD D91	82				.12 .25	NO NO		49	
D 91L			J12-3/O P73-F15	2 82			.34	.23 .12	NO NO		53 49	
D 91R			J12-3/I P73-F14	2 82				.22 .12	NO NO		50, 60, 58 49	
D 92	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 92A	1		SHLD D92 J12-5/I	2				.25 .22	NO NO		50, 60	
D 92B	2		P73-F19 SHLD D92	82				.12 .25	NO NO		49	
D 92L			J12-4/O P73-F18	2 82			.34	.23 .12	NO NO		53 49	
D 92R			J12-4/I P73-F17	2 82				.22 .12	NO NO		50, 60, 58 49	
D 93	7				2.80 3.30	2.50 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 93A	1		SHLD D93 J12-5/O	2				.25 .23	NO NO		53, 54	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 38 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 93B	2		P73-F22 SHLD D93	82				.12 .25	NO NO		49	
D 93L			J12-6/O P73-F21	2 82			.34	.23 .12	NO NO		53 49	
D 93R			J12-6/I P73-F20	2 82				.22 .12	NO NO		50, 60, 58 49	
D 94	7				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 94A	1		SHLD D94 J12-8/I	 2				.25 .22	NO NO		 50, 60, 58	
D 94B	2		P73-F25 SHLD D94	82				.12 .25	NO NO		49	
D 94L			J12-7/O P73-F24	2 82			.34	.23 .12	NO NO		53 49	
D 94R			J12-7/I P73-F23	2 82				.22 .12	NO NO		50, 60, 58 49	
D 95	7				3.30 3.30	3.00 3.00				A,6B A,6B	67, 70, 54 67, 70	
D 95A	1		SHLD D95 J12-8/O	 2				.25 .23	NO NO		 53, 54	
D 95B	2		P73-F28 SHLD D95	82				.12 .25	NO NO		49	
D 95L			J12-9/O P73-F27	2 82			.34	.23 .12	NO NO		53 49	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 39 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 95R			J12-9/I P73-F26	2 82				.22 .12	NO NO		50, 60, 58 49	
D 96	7				3.30 3.30	3.00 3.00				A,6A B,7	67, 70, 54 70	
D 96A	2		SHLD D96 E6-B	 1				.25 .38	NO NO			
D 96L			J12-23/O P74-E24	2 84			.34	.23 .12	NO NO		53 49	
D 96R			J12-23/I P74-E23	2 84				.22 .12	NO NO		50, 60, 58 49	
D 97	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 97L			J12-19/O P73-F32	2 82			.34	.23 .12	NO NO		53 49	
D 97R			J12-19/I P73-F31	2 82				.22 .12	NO NO		50, 60, 58 49	
D 98	7				3.30 3.30	3.00 3.00				B,7 B,7	70, 54 70	
D 98L			J12-20/O P76-F25	2 91			.34	.23 .12	NO NO		53 49	
D 98R			J12-20/I P76-F24	2 91				.22 .12	NO NO		50, 60, 58 49	
D 99	7				3.80 3.80	3.50 3.50				B,7 B,7	70, 54 70	

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 40 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 99L			J12-21/O P76-F27	2 91			.34	.23 .12	NO NO		53 49	
D 99R			J12-21/I P76-F26	2 91				.22 .12	NO NO		50, 60, 58 49	
D 100	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 100A	2		SHLD D100 E7-B	 7				.25 .38	NO NO			
D 100L			J14-3 P75-F2	10 87				.15 .12	NO NO		64 49	
D 100R			J14-10 P75-F1	10 87				.15 .12	NO NO		64 49	
D 101	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 101A	2		SHLD D101 E7-B	 7				.25 .38	NO NO			
D 101L			J14-12 P75-F4	10 87				.15 .12	NO NO		64 49	
D 101R			J14-13 P75-F3	10 87				.15 .12	NO NO		64 49	
D 102	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 102A	2		SHLD D102 E7-B	 7				.25 .38	NO NO			

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 41 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 102L			J14-7 P75-F6	10 87				.15 .12	NO NO		64 49	
D 102R			J14-18 P75-F5	10 87				.15 .12	NO NO		64 49	
D 103	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 103A	2		SHLD D103 E7-B	 7				.25 .38	NO NO			
D 103L			J14-8 P75-F8	10 87				.15 .12	NO NO		64 49	
D 103R			J14-9 P75-F7	10 87				.15 .12	NO NO		64 49	
D 104	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 104A	2		SHLD D104 E7-B	 7				.25 .38	NO NO			
D 104L			J14-5 P75-F10	10 87				.15 .12	NO NO		64 49	
D 104R			J14-14 P75-F9	10 87				.15 .12	NO NO		64 49	
D 105	8				2.80 3.30	2.50 3.00				A,6A B,7	67, 70 70	
D 105A	2		SHLD D105 E7-B	 7				.25 .38	NO NO			

CODE IDENT NO. 99974	SIZE A	2900719
SCALE-NONE	REV LTR FK	SHEET 42 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 105L			J14-16	10				.15	NO		64	
			P75-F12	87				.12	NO		49	
D 105R			J14-17	10				.15	NO		64	
			P75-F11	87				.12	NO		49	
D 106	11				2.80	2.50				A,6B	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 106A	1		SHLD D106					.25	NO			
			J12-29/O	2				.23	NO		53, 54	
D 106B	2		J14-28	10				.15	NO		64	
			SHLD D106					.25	NO			
D 106L			J12-28/O	2			.34	.23	NO		53	
			J14-26	10				.15	NO		64	
D 106R			J12-28/I	2				.22	NO		50, 60, 58	
			J14-25	10				.15	NO		64	
D 106Y			J12-29/I	2				.22	NO		50, 60, 58	
			J14-27	10				.15	NO		64	
D 107	11				2.80	2.50				A,6B	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 107A	1		SHLD D107					.25	NO			
			J12-31/O	2				.23	NO		53, 54	
D 107B	2		J14-32	10				.15	NO		64	
			SHLD D107					.25	NO			
D 107L			J12-30/O	2			.34	.23	NO		53	
			J14-30	10				.15	NO		64	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 43 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 107R			J12-30/I	2				.22	NO		50, 60, 58	
			J14-29	10				.15	NO		64	
D 107Y			J12-31/I	2				.22	NO		50, 60, 58	
			J14-31	10				.15	NO		64	
D 108	11				2.80	2.50				A,6B	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 108A	1		SHLD D108					.25	NO			
			J12-33/O	2				.23	NO		53, 54	
D 108B	2		J14-36	10				.15	NO		64	
			SHLD D108					.25	NO			
D 108L			J12-32/O	2			.34	.23	NO		53	
			J14-34	10				.15	NO		64	
D 108R			J12-32/I	2				.22	NO		50, 60, 58	
			J14-33	10				.15	NO		64	
D 108Y			J12-33/I	2				.22	NO		50, 60, 58	
			J14-35	10				.15	NO		64	
D 109	12				2.80	2.50				B,7	70	
					3.30	3.00				B,7	70	
D 109L			J12-55	2				.22	NO		55	
			J14-24	10				.15	NO		64	
D 109R			J12-53	2				.22	NO		55	
			J14-43	10				.15	NO		64	
D 109Y			J12-54	2				.22	NO		55	
			J14-44	10				.15	NO		64	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 44 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 110	7				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 110L			J12-34/O	2			.34	.23	NO		53	
			J14-2	10				.15	NO		64	
D 110R			J12-34/I	2				.22	NO		50, 60, 58	
			J14-1	10				.15	NO		64	
D 111	7				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 111L			J12-35/O	2			.34	.23	NO		53	
			J14-37	10				.15	NO		64	
D 111R			J12-35/I	2				.22	NO		50, 60, 58	
			J14-19	10				.15	NO		64	
D 112	7				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 112L			J12-36/O	2			.34	.23	NO		53	
			J14-42	10				.15	NO		64	
D 112R			J12-36/I	2				.22	NO		50, 60, 58	
			J14-41	10				.15	NO		64	
D 113	2		J14-23	10				.15	NO		64	
			E7-B	7				.38	NO			
D 114	7				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 114L			J12-46/O	2			.34	.23	NO		53	
			J17-G	14				.18	NO		73	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 45 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 114R			J12-46/I	2				.22	NO		50, 60, 58	
			J17-F	14				.18	NO		73	
D 115	2		J12-51	2				.22	NO		55	
			J23-50	15				.15	NO		63	
D 116	7				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 116L			J12-48/O	2			.34	.23	NO		53	
			J23-28	15				.15	NO		63	
D 116R			J12-48/I	2				.22	NO		50, 60, 58	
			J23-49	15				.15	NO		63	
D 117	7				3.80	3.50				B,7	70, 54	
					3.30	3.00				B,7	70	
D 117L			J12-49/O	2			.34	.23	NO		53	
			J23-34	15				.15	NO		63	
D 117R			J12-49/I	2				.22	NO		50, 60, 58	
			J23-57	15				.15	NO		63	
D 118	7				3.80	3.50				B,7	70, 54	
					3.30	3.00				B,7	70	
D 118L			J12-47/O	2			.34	.23	NO		53	
			J17-J	14				.15	NO		73	
D 118R			J12-47/I	2				.22	NO		50, 60, 58	
			J17-K	14				.15	NO		73	
D 119	3		J12-41	2				.22	NO		55	
			E6-B	1				.38	NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 46 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 120	7				2.30	2.00				A,6A	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 120A	2		SHLD D120					.25	NO			
			E6-B	1				.38	NO			
D 120B	2		J23-73	15				.15	NO		63	
			SHLD D120					.25	NO			
D 120L			J12-43/O	2			.34	.23	NO		53	
			J23-58	15				.15	NO		63	
D 120R			J12-43/I	2				.22	NO		50, 60, 58	
			J23-82	15				.15	NO		63	
D 121	7				2.30	2.00				A,6A	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 121A	2		SHLD D121					.25	NO			
			E6-B	1				.38	NO			
D 121B	2		J23-74	15				.15	NO		63	
			SHLD D121					.25	NO			
D 121L			J12-42/O	2			.34	.23	NO		53	
			J23-59	15				.15	NO		63	
D 121R			J12-42/I	2				.22	NO		50, 60, 58	
			J23-84	15				.15	NO		63	
D 122	7				2.30	2.00				A,6A	67, 70, 54	
					3.30	3.00				A,6B	67, 70	
D 122A	2		SHLD D122					.25	NO			
			E6-B	1				.38	NO			

CODE IDENT NO. 99974 SIZE A 2900719
SCALE-NONE REV LTR FK SHEET 47 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 122B	2		J23-75	15				.15	NO		63	
			SHLD D122					.25	NO			
D 122L			J12-40/O	2			.34	.23	NO		53	
			J23-61	15				.15	NO		63	
D 122R			J12-40/I	2				.22	NO		50, 60, 58	
			J23-85	15				.15	NO		63	
D 123	7				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 123A	2		SHLD D123					.25	NO			
			J15-18	9				.15	NO		64	
D 123B	2		E19-B	38				.38	NO			
			SHLD D123					.25	NO			
D 123L			J15-36	9				.15	NO		64	
			J51-1/O	39			.34	.23	NO		53	
D 123R			J15-19	9				.15	NO		64	
			J51-1/I	39				.22	NO		50, 60, 58	
D 124	7				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 124A	2		SHLD D124					.25	NO			
			J15-15	9				.15	NO		64	
D 124B	2		E19-B	38				.38	NO			
			SHLD D124					.25	NO			
D 124L			J15-31	9				.15	NO		64	
			J51-2/O	39			.34	.23	NO		53	

CODE IDENT NO. 99974 SIZE A 2900719
SCALE-NONE REV LTR FK SHEET 48 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 124R			J15-30	9				.15	NO		64	
			J51-2/I	39				.22	NO		50, 60, 58	
D 125	7				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 125A	2		SHLD D125					.25	NO			
			J15-1	9				.15	NO		64	
D 125B	2		E19-B	38				.38	NO			
			SHLD D125					.25	NO			
D 125L			J15-5	9				.15	NO		64	
			J51-3/O	39			.34	.23	NO		53	
D 125R			J15-4	9				.15	NO		64	
			J51-3/I	39				.22	NO		50, 60, 58	
D 126	7				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 126A	2		SHLD D126					.25	NO			
			J15-26	9				.15	NO		64	
D 126B	2		E19-B	38				.38	NO			
			SHLD D126					.25	NO			
D 126L			J15-11	9				.15	NO		64	
			J51-4/O	39			.34	.23	NO		53	
D 126R			J15-25	9				.15	NO		64	
			J51-4/I	39				.22	NO		50, 60, 58	
D 127	7				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	

CODE IDENT NO. 99974 SIZE A 2900719
SCALE-NONE REV LTR FK SHEET 49 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 127A	2		SHLD D127					.25	NO			
			J15-16	9				.15	NO		64	
D 127B	2		E19-B	38				.38	NO			
			SHLD D127					.25	NO			
D 127L			J15-33	9				.15	NO		64	
			J51-5/O	39			.34	.23	NO		53	
D 127R			J15-17	9				.15	NO		64	
			J51-5/I	39				.22	NO		50, 60, 58	
D 128	7				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 128A	2		SHLD D128					.25	NO			
			J15-13	9				.15	NO		64	
D 128B	2		E19-B	38				.38	NO			
			SHLD D128					.25	NO			
D 128L			J15-28	9				.15	NO		64	
			J51-6/O	39			.34	.23	NO		53	
D 128R			J15-27	9				.15	NO		64	
			J51-6/I	39				.22	NO		50, 60, 58	
D 129	7				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70, 54	
D 129A	2		SHLD D129					.25	NO			
			J15-9	39				.15	NO		64	
D 129B	2		E19-B	38				.38	NO			
			SHLD D129					.25	NO			

CODE IDENT NO. 99974 SIZE A 2900719
SCALE-NONE REV LTR FK SHEET 50 OF ~~157~~ 160

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 129L			J15-23	9				.15	NO		64	
			J51-7/0	39			.34	.23	NO		53	
D 129R			J15-22	9				.15	NO		64	
			J51-7/I	39				.22	NO		50, 60, 58	
D 130	8				2.30	2.00				A,6B	67, 70	
					2.30	2.00				A,6B	67, 70	
D 130A	2		SHLD D130					.25	NO			
			J16-33	8				.15	NO		63	
D 130B	2		J24-B*	23				.22	NO		62	
			SHLD D130					.25	NO			
D 130L			J16-32	8				.15	NO		63	
			J24-NN	23				.22	NO		62	
D 130R			J16-31	8				.15	NO		63	
			J24-PP	23				.22	NO		62	
D 131	8				2.30	2.00				A,6B	67, 70	
					2.30	2.00				A,6B	67, 70	
C 131A	2		SHLD D131					.25	NO			
			J16-30	8				.15	NO		63	
D 131B	2		J24-P	23				.22	NO		62	
			SHLD D131					.25	NO			
D 131L			J16-29	8				.15	NO		63	
			J24-LL	23				.22	NO		62	
D 131R			J16-28	8				.15	NO		63	
			J24-MM	23				.22	NO		62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 51 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 132	8				2.30	2.00				A,6B	67, 70	
					2.30	2.00				A,6B	67, 70	
D 132A	2		SHLD D132					.25	NO			
			J16-27	8				.15	NO		63	
D 132B	2		J24-E	23				.22	NO		62	
			SHLD D132					.25	NO			
D 132L			J16-26	8				.15	NO		63	
			J24-JJ	23				.22	NO		62	
D 132R			J16-25	8				.15	NO		63	
			J24-KK	23				.22	NO		62	
D 133	2		J16-79	8				.15	NO		63	
			P79-E1	79				.12	NO		49	
D 134	2		J16-76	8				.15	NO		63	
			P79-E2	79				.12	NO		49	
D 135	2		J16-77	8				.15	NO		63	
			TB2-13	129				.19	NO		83	
D 136	8				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 136A	2		SHLD D136					.25	NO			
			J16-6	8				.15	NO		63	
D 136B	2		P79-E5	79				.12	NO		49	
			SHLD D136					.25	NO			
D 136L			J16-5	8				.15	NO		63	
			P79-E4	79				.12	NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 52 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 136R			J16-4	8				.15	NO		63	
			P79-E3	79				.12	NO		49	
D 137	8				2.30	2.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
C 137A	2		SHLD D137					.25	NO			
			J16-3	8				.15	NO		63	
D 137B	2		P79-E8	79				.12	NO		49	
			SHLD D137					.25	NO			
D 137L			J16-2	8				.15	NO		63	
			P79-E7	79				.12	NO		49	
D 137R			J16-1	8				.15	NO		63	
			P79-E6	79				.12	NO		49	
D 138	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 138A	2		SHLD D138					.25	NO			
			J16-12	8				.15	NO		63	
D 138B	2		P79-E11	79				.12	NO		49	
			SHLD D138					.25	NO			
D 138L			J16-11	8				.15	NO		63	
			P79-E10	79				.12	NO		49	
D 138R			J16-10	8				.15	NO		63	
			P79-E9	79				.12	NO		49	
D 139	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 53 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 139A	2		SHLD D139					.25	NO			
			J16-9	8				.15	NO		63	
D 139B	2		P79-E14	79				.12	NO		49	
			SHLD D139					.25	NO			
D 139L			J16-8	8				.15	NO		63	
			P79-E13	79				.12	NO		49	
D 139R			J16-7	8				.15	NO		63	
			P79-E12	79				.12	NO		49	
D 140	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 140A	2		SHLD D140					.25	NO			
			J16-18	8				.15	NO		63	
D 140B	2		P73-A14	68				.12	NO		49	
			SHLD D140					.25	NO			
D 140L			J16-17	8				.15	NO		63	
			P73-A13	68				.12	NO		49	
D 140R			J16-16	8				.15	NO		63	
			P73-A12	68				.12	NO		49	
D 141	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 141A	2		SHLD D141					.25	NO			
			J16-15	8				.15	NO		63	
C 141B	2		P73-A11	68				.12	NO		49	
			SHLD D141					.25	NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 54 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 141L			J16-14	8				.15	NO		63	
			P73-A10	68				.12	NO		49	
D 141R			J16-13	8				.15	NO		63	
			P73-A9	68				.12	NO		49	
D 142	8				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 142A	2		SHLD D142					.25	NO			
			J16-24	8				.15	NO		63	
D 142B	2		P73-A20	68				.12	NO		49	
			SHLD D142					.25	NO			
D 142L			J16-23	8				.15	NO		63	
			P73-A19	68				.12	NO		49	
D 142R			J16-22	8				.15	NO		63	
			P73-A18	68				.12	NO		49	
D 143	8				3.30	3.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 143A	2		SHLD D143					.25	NO			
			J16-21	8				.15	NO		63	
D 143B	2		P73-A17	68				.12	NO		49	
			SHLD D143					.25	NO			
D 143L			J16-20	8				.15	NO		63	
			P73-A16	68				.12	NO		49	
D 143R			J16-19	8				.15	NO		63	
			P73-A15	68				.12	NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 55 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 144	2		J16-63	8				.15	NO		63	
			A2-8	179				.25	YES			
D 145	2		J16-64	8				.15	NO		63	
			A2-12	180A				.25	YES			
D 146	2		J16-78	8				.15	NO		63	
			P79-E20	79				.12	NO		49	
D 147	8				3.30	3.00				A,6A	67, 70	
					3.30	3.00				B,7	70	
D 147A	2		SHLD D147					.25	NO			
			E14-B	34				.38	NO			
D 147L			J16-74	8				.15	NO		63	
			P75-F14	87				.12	NO		49	
D 147R			J16-73	8				.15	NO		63	
			P75-F13	87				.12	NO		49	
D 148	2		J16-67	8				.15	NO		63	
			P74-F31	85				.12	NO		49	
D 149	2		J16-68	8				.15	NO		63	
			P74-F32	85				.12	NO		49	
D 150	6				3.30	3.00				A,6A	~~66~~ 67, 71	
					3.30	3.00				B,7	71	
D 150A	2		SHLD D150					.25	NO			
			E9-B	6				.38	NO			
D 150W			J16-83	8				.15	NO		63	
			K58-1	185				.19	YES		92	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 56 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 151	8				3.30	3.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 151A	2		SHLD D151					.25	NO			
			J16-36	8				.15	NO		63	
D 151B	2		J24-A*	23				.22	NO		62	
			SHLD D151					.25	NO			
D 151L			J16-35	8				.15	NO		63	
			J24-GG	23				.22	NO		62	
D 151R			J16-34	8				.15	NO		63	
			J24-HH	23				.22	NO		62	
D 152	8				3.30	3.00				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 152A	2		SHLD D152					.25	NO			
			J16-39	8				.15	NO		63	
D 152B	2		J24-V	23				.22	NO		62	
			SHLD D152					.25	NO			
D 152L			J16-38	8				.15	NO		63	
			J24-EE	23				.22	NO		62	
D 152R			J16-37	8				.15	NO		63	
			J24-FF	23				.22	NO		62	
D 153	8				3.80	3.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 153A	2		SHLD D153					.25	NO			
			J16-42	8				.15	NO		63	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 57 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 153B	2		P80-F19	83				.12	NO		49	
			SHLD D153					.25	NO			
D 153L			J16-41	8				.15	NO		63	
			P80-F18	83				.12	NO		49	
D 153R			J16-40	8				.15	NO		63	
			P80-F17	83				.12	NO		49	
D 154	8				3.80	3.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 154A	2		SHLD D154					.25	NO			
			J16-45	8				.15	NO		63	
D 154B	2		P80-F22	83				.12	NO		49	
			SHLD D154					.25	NO			
D 154L			J16-44	8				.15	NO		63	
			P80-F21	83				.12	NO		49	
D 154R			J16-43	8				.15	NO		63	
			P80-F20	83				.12	NO		49	
D 155	8				3.80	3.50				A,6B	67, 70	
					3.30	3.00				A,6A	67, 70	
D 155A	2		SHLD D155					.25	NO			
			J16-72	8				.15	NO		63	
D 155B	2		TB4-2	151				.19	NO		83	
			SHLD D155					.25	NO			
D 155L			J16-71	8				.15	NO		63	
			J56-B*	41				.22	NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 58 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 155R			J16-70 J56-A*	8 41				.15 .22	NO NO		63 61	
D 156	2		J16-69 E9-B	8 6				.15 .38	NO NO		63	
D 157	2		J16-81 E7-B	8 7				.15 .38	NO NO		63	
D 158	2		J16-84 E9-B	8 6				.15 .38	NO NO		63	
D 159	2		J16-85 E9-B	8 6				.15 .38	NO NO		63	
D 160	2		J16-57 J27-S	8 19				.15 .22	NO NO		63 61	
D 161	2		J16-61 J27-V	8 19				.15 .22	NO NO		63 61	
D 162	2		J16-58 J27-R	8 19				.15 .22	NO NO		63 61	
D 163	2		J16-59 J27-U	8 19				.15 .22	NO NO		63 61	
D 164	2		J16-60 J27-T	8 19				.15 .22	NO NO		63 61	
D 165	2		J16-49 P80-F14	8 83				.15 .12	NO NO		63 49	
D 166	2		J16-48 P80-F16	8 83				.15 .12	NO NO		63 49	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 167	2		J16-47 P80-F15	8 83				.15 .12	NO NO		63 49	
D 168	2		J16-50 P80-F4	8 83				.15 .12	NO NO		63 49	
D 169	10				2.30 3.30	2.00 3.00				A,6A B,7	67, 68 68	
D 169A	2		SHLD D169 E11-B	 17				.25 .38	NO NO			
D 169L			J17-T P75-F24	14 86				.18 .22 ~~.12~~	NO NO		73 ~~49~~ 98	
D 169R			J17-S P75-F23	14 86				.18 .22 ~~.12~~	NO NO		73 ~~49~~ 98	
D 170	14				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 68 68	
D 170A	2		SHLD D170 E10-B	 16				.25 .38	NO NO			
D 170L			J17-E E4	14 117				.18 .31	NO YES		73	
D 170R			J17-D E5	14 117				.18 .31	NO YES		73	
D 170Y			J17-W R1-2	14 117				.18 .31	NO YES		73	
D 171	4		J17-~~L~~ A* R2-2	14 117				.18 .31	NO YES		73	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 172	4		J17-~~M~~ B* R2-2	14 117				.18 .31	NO YES		73	
D 173	14				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 68 68	
D 173A	2		SHLD D173 E10-B	 16				.25 .38	NO NO			
D 173L			J17-C P75-F26	14				.18 .22 ~~.12~~	NO NO		73 98	
D 173R			J17-B P75-F25	14				.18 .22 ~~.12~~	NO NO		73 98	
D 173Y			J17-V P75-F27	14 87				.18 .22 ~~.12~~	NO NO		73 98	
D 174	4		J17-Y ~~P79-F28~~ J11-18	14 ~~79~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 175	4		J17-U ~~P79-F28~~ J11-20	14 ~~80~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 176	4		J17-F* ~~P79-A28~~ J11-22	14 ~~65~~ 4				.18 .22 ~~.12~~	NO NO		73 ~~98~~ 59	
D 177	3		J17-H E10-B	14 16				.18 .38	NO NO		73	
D 178	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 178A	2		SHLD D178 J18-U	 13				.25 .22	NO NO		 62	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 178B	2		J54-6 SHLD D178	43				.22 .25	NO NO		55	
D 178L			J18-T J54-5	13 43				.22 .22	NO NO		62 55	
D 178R			J18-S J54-4	13 43				.22 .22	NO NO		62 55	
D 179	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 179A	2		SHLD D179 J18-N	 13				.25 .22	NO NO		 62	
D 179B	2		J54-3 SHLD D179	43				.22 .25	NO NO		55	
D 179L			J18-M J54-2	13 43				.22 .22	NO NO		62 55	
D 179R			J18-L J54-1	13 43				.22 .22	NO NO		62 55	
D 180	15				2.80 .56	2.50 .25				A,6B B,9	67, 69	
D 180A	2		SHLD D180 J18-R	 13				.25 .22	NO NO		 62	
D 180E			J18-P J54-7/I	13 43				.22 .23	NO NO		62 50, 60, 58	
D 180X			SHLD D180 J54-7/O	 43			 .34	 .23	 NO		 53, 54	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 181	3		J18-V ~~XF26-1~~ P79-E29	13 ~~115~~ 79				.22 ~~.31~~ .12	NO ~~YES~~ NO		62 49	
D 182	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 182A	1		SHLD D182 J19-25/I	 12				.25 .22	NO NO		 50, 60, 58	
D 182L			J19-24/0 J57-14/0	12 48			.34 .34	.23 .23	NO NO		53 51	
D 182R			J19-24/I J57-14/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 183	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 183A	1		SHLD D183 J19-16/I	 12				.25 .22	NO NO		 50, 60, 58	
D 183L			J19-15/0 J57-41/0	12 48			.34 .22	.23 .23	NO NO		53 51	
D 183R			J19-15/I J57-41/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 184	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 184A	1		SHLD D184 J19-16/0	 12			 .34	.25 .23	NO NO		 53	
D 184L			J19-17/0 J57-42/0	12 48			.34 .22	.23 .23	NO NO		53 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 63 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 184R			J19-17/I J57-42/I	12 48				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 185	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 185A	1		SHLD D185 J19-19/I	 12				.25 .22	NO NO		 50, 60, 58	
D 185L			J19-18/0 J50-13/0	12 40			.34 .34	.23 .23	NO NO		53, 58 53, 58	
D 185R			J19-18/I J50-13/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 186	7				2.30 2.30	2.00 2.00				A,6B B,7	67, 70, 54 70, 54	
D 186A	1		SHLD D186 J19-19/0	 12			 .34	.25 .23	NO NO		 53, 54	
D 186L			J19-20/0 J50-14/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 186R			J19-20/I J50-14/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 187	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 187A	1		SHLD D187 J19-11/I	 12				.25 .22	NO NO		 50, 60, 58	
D 187L			J19-10/0 J50-17/0	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 64 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 187R			J19-10/I J50-17/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 188	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 188A	1		SHLD D188 J19-22/I	 12				.25 .22	NO NO		 50, 60, 58	
D 188L			J19-21/0 J50-15/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 188R			J19-21/I J50-15/I	12 40				.22 .22	NO NO		50, 60 50, 60	
D 189	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 189A	1		SHLD D189 J19-22/0	 12				.25 .23	NO NO		 53, 54	
D 189L			J19-23/0 J50-16/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 189R			J19-23/I J50-16/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 190	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 190A	1		SHLD D190 J19-25/0	 12				.25 .23	NO NO		 53, 54	
D 190L			J19-26/0 J57-45/0	12 40			.34 .22	.23 .23	NO NO		53 51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 65 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 190R			J19-26/I J57-45/I	12 40				.22 .22	NO NO		50, 60, 58 52, 57, 58	
D 191	7				2.80 2.80	2.50 2.50				A,6B B,7	67, 70, 54 70, 54	
D 191A	1		SHLD D191 J19-2/I	 12				.25 .22	NO NO		 50, 60, 58	
D 191L			J19-1/0 J50-1/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 191R			J19-1/I J50-1/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 192	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 192A	1		SHLD D192 J19-2/0	 12				.25 .23	NO NO		 53, 54	
D 192L			J19-3/0 J50-2/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 192R			J19-3/I J50-2/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 193	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 193A	1		SHLD D193 J19-5/I	 12				.25 .22	NO NO		 50, 60, 58	
D 193L			J19-4/0 J50-3/0	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 66 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 193R			J19-4/I J50-3/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 194	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 194A	1		SHLD D194 J19-5/0	 12				.25 .23	NO NO		 53, 54	
D 194L			J19-6/0 J50-4/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 194R			J19-6/I J50-4/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 195	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54. 70, 54	
D 195A	1		SHLD D195 J19-8/I	 12				.25 .22	NO NO		 50, 60, 58	
D 195L			J19-7/0 J50-5/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 195R			J19-7/I J50-5/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 196	7				3.30 3.30	3.00 3.00				A,6B B,7	67, 70, 54 70, 54	
D 196A	1		SHLD D196 J19-8/0	 12				.25 .23	NO NO		 53, 54	
D 196L			J19-9/0 J50-6/0	12 40			.34 .34	.23 .23	NO NO		53 53	

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR FK		SHEET 67 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 196R			J19-9/I J50-6/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 197	7				3.80 3.80	3.50 3.50				A,6B B,7	67, 70, 54 70, 54	
D 197A	1		SHLD D197 J19-11/0	 12				.25 .23	NO NO		 53, 54	
D 197L			J19-12/0 J50-7/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 197R			J19-12/I J50-7/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 198	7				3.80 3.80	3.50 3.50				A,6B B,7	67, 70, 54 70, 54	
D 198A	2		SHLD D198 J19-14	 12				.25 .22	NO NO		 55	
D 198L			J19-13/0 J50-8/0	12 40			.34 .34	.23 .23	NO NO		53 53	
D 198R			J19-13/I J50-8/I	12 40				.22 .22	NO NO		50, 60, 58 50, 60, 58	
D 199	1		J19-40/I J62-D*	12 55				.22 .22	NO NO		50, 60, 58 61	
D 200	1		J19-40/0 J62-F*	12 55				.23 .22	NO NO		53, 54 61	
D 201	11				3.80 3.80	3.50 3.50				B,7 B,7	70, 54 70	

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR FK		SHEET 68 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 201L			J19-31/0 J60-DD	12 44			.34	.23 .22	NO NO		53 61	
D 201R			J19-31/I J60-T	12 44				.22 .22	NO NO		50, 60, 58 61	
D 201Y			J19-32 J60-S	12 44				.22 .22	NO NO		55 61	
D 202	1		J16-80 P80-F6	12 83				.15 .12	NO NO		63 49	
D 203	1		J19-42/0 J60-AA	12 44				.23 .22	NO NO		53, 54 61	
D 204	1		J19-42/I J55-DD	12 42				.22 .22	NO NO		50, 60, 58 62	
D 205	1		J19-27/I J66-W	12 60				.22 .22	NO NO		50, 60, 58 62	
D 206	1		J19-27/0 J66-T	12 60				.23 .22	NO NO		53, 54 62	
D 207	1		J19-38/I J60-L	12 44				.22 .22	NO NO		50, 60, 58 61	
D 208	1		J19-38/0 J66-X	12 60				.23 .22	NO NO		53, 54 62	
D 209	1		J19-41[illegible] J59-D	12 45				.22 .22	NO NO		55 ~~50, 60, 58~~ 61	
D 210	1		J16-54 ~~J19-41/0~~ A2-45	8 ~~12~~ 172				.15 ~~.23~~ .31	NO YES		63 ~~53, 54~~	

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR FK		SHEET 69 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 211	1		J19-39 XF8-1	12 99				.22 .31	NO YES		55	
D 212	1		J19-29 J55-EE	12 42				.22 .22	NO NO		55 62	
D 213	1		J19-46/I J62-N	12 55				.22 .22	NO NO		50, 60, 58 61	
D 214	1		J19-46/0 J62-P	12 55				.23 .22	NO NO		53, 54 61	
D 215	1		J19-47/I J60-P	12 44				.22 .22	NO NO		50, 60, 58 61	
D 216	1		J19-47/0 J55-E	12 42				.23 .22	NO NO		53, 54 62	
D 217	1		J19-48/I J55-D	12 42				.22 .22	NO NO		50, 60, 58 62	
D 218	1		J19-48/0 J60-R	12 44				.23 .22	NO NO		53, 54 61	
D 219	1		J19-45/I J55-F	12 42				.22 .22	NO NO		50, 60, 58 62	
D 220	1		J19-45/0 J55-G	12 42				.23 .22	NO NO		53, 54 62	
D 221	1		J19-33/I J62-BB	12 55				.22 .22	NO NO		50, 60, 58 61	
D 222	1		J19-33/0 J62-CC	12 55				.23 .22	NO NO		53, 54 61	

CODE IDENT NO.	SIZE		
99974	A	2900719	
SCALE-NONE	REV LTR FK		SHEET 70 OF ~~157~~ 160

WIRING HARNESS D 2900719 KF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 223	1		J19-35/I	12				.22	NO		50, 60, 58	
			J62-EE	55				.22	NO		61	
D 224	1		J19-35/O	12				.23	NO		53, 54	
			J62-FF	55				.22	NO		61	
D 225	1		J19-36/I	12				.22	NO		50, 60, 58	
			J62-Y*	55				.22	NO		61	
D 226	1		J19-36/O	12				.23	NO		53, 54	
			J62-X*	55				.22	NO		61	
D 227	3		J19-37	12				.22	NO		55	
			P80-E7	81				.12	NO		49	
D 228	1		J19-43/I	12				.22	NO		50, 60, 58	
			P79-F1	80				.12	NO		49	
D 229	1		J19-43/O	12				.23	NO		53, 54	
			P80-E6	81				.12	NO		49	
D 230	5				3.80	3.50				A,6A	~~60~~ 67, 71	
					3.80	3.50				B,7	71	
D 230A	1		SHLD D230					.25	NO			
			E10-B	16				.38	NO			
D 230W			J19-50/O	12				.23	NO		53 , 54	
			K58-1	185				.19	YES			
D 231	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 231A	1		SHLD D231					.25	NO			
			J20-32	11				.23	NO		56	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 71 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 231L			J20-31/O	11			.22	.23	NO		51	
			J50-9/O	40			.34	.23	NO		53	
D 231R			J20-31/I	11				.23	NO		52, 57, 58	
			J50-9/I	40				.23	NO		50, 60, 58	
D 232	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 232A	1		SHLD D232					.25	NO			
			J20-17/I	11				.23	NO		52, 57, 58	
D 232L			J20-16/O	11			.22	.23	NO		51	
			J57-15/O	48			.22	.23	NO		51	
D 232R			J20-16/I	11				.23	NO		52, 57, 58	
			J57-15/I	48				.23	NO		52, 57, 58	
D 233	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 233A	1		SHLD D233					.25	NO			
			J20-17/O	11				.23	NO		51, 54	
D 233L			J20-18/O	11			.22	.23	NO		51	
			J57-16/O	48			.22	.23	NO		51	
D 233R			J20-18/I	11				.22	NO		52, 57, 58	
			J57-16/I	48				.22	NO		52, 57, 58	
D 234	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 234A	1		SHLD D234					.25	NO			
			J20-20/I	11				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 72 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 234L			J20-19/O	11			.22	.23	NO		51	
			J57-17/O	48			.22	.23	NO		51	
D 234R			J20-19/I	11				.22	NO		52, 57, 58	
			J57-17/I	48				.22	NO		52, 57, 58	
D 235	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 235A	1		SHLD D235					.25	NO			
			J20-20/O	11				.23	NO		51, 54	
D 235L			J20-21/O	11			.22	.23	NO		51	
			J57-19/O	48			.22	.23	NO		51	
D 235R			J20-21/I	11				.22	NO		52, 57, 58	
			J57-19/I	48				.22	NO		52, 57, 58	
D 236	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 236A	1		SHLD D236					.25	NO			
			J20-23/I	11				.22	NO		52, 57, 58	
D 236L			J20-22/O	11			.22	.23	NO		51	
			J57-20/O	48			.22	.23	NO		51	
D 236R			J20-22/I	11				.22	NO		52, 57, 58	
			J57-20/I	48				.22	NO		52, 57, 58	
D 237	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 237A	1		SHLD D237					.25	NO			
			J20-23/O	11				.23	NO		51, 54	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 73 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 237L			J20-24/O	11			.22	.23	NO		51	
			J57-18/O	48			.22	.23	NO		51	
D 237R			J20-24/I	11				.22	NO		52, 57, 58	
			J57-18/I	48				.22	NO		52, 57, 58	
D 238	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 238A	1		SHLD D238					.25	NO			
			J20-2/I	11				.22	NO		52, 57, 58	
D 238L			J20-1/O	11			.22	.23	NO		51	
			J57-1/O	48			.22	.23	NO		51	
D 238R			J20-1/I	11				.22	NO		52, 57, 58	
			J57-1/I	48				.22	NO		52, 57, 58	
D 239	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 239A	1		SHLD D239					.25	NO			
			J20-2/O	11				.23	NO		51, 54	
D 239L			J20-3/O	11			.22	.23	NO		51	
			J57-2/O	48			.22	.23	NO		51	
D 239R			J20-3/I	11				.22	NO		52, 57, 58	
			J57-2/I	48				.22	NO		52, 57, 58	
D 240	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 240A	1		SHLD D240					.25	NO			
			J20-5/I	11				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 74 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 240L			J20-4/O	11			.22	.23	NO		51	
			J57-3/O	48			.22	.23	NO		51	
D 240R			J20-4/I	11				.22	NO		52, 57, 58	
			J57-3/I	48				.22	NO		52, 57, 58	
D 241	7				3.30	3.00				A,6B	67, 70, 54	
					3.30	3.00				B,7	70, 54	
D 241A	1		SHLD D241					.25	NO			
			J20-5/O	11				.23	NO		51, 54	
D 241L			J20-6/O	11			.22	.23	NO		51	
			J57-4/O	48			.22	.23	NO		51	
D 241R			J20-6/I	11				.22	NO		52, 57, 58	
			J57-4/I	48				.22	NO		52, 57, 58	
D 242	7				3.30	3.00				A,6B	67, 70, 54	
					3.30	3.00				B,7	70, 54	
D 242A	1		SHLD D242					.25	NO			
			J20-8/I	11				.22	NO		52, 57, 58	
D 242L			J20-7/O	11			.22	.23	NO		51	
			J57-5/O	48			.22	.23	NO		51	
D 242R			J20-7/I	11				.22	NO		52, 57, 58	
			J57-5/I	48				.22	NO		52, 57, 58	
D 243	7				3.30	3.00				A,6B	67, 70, 54	
					3.30	3.00				B,7	70, 54	
D 243A	1		SHLD D243					.25	NO			
			J20-8/O	11				.23	NO		51, 54	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 75 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 243L			J20-9/O	11			.22	.23	NO		51	
			J57-6/O	48			.22	.23	NO		51	
D 243R			J20-9/I	11				.22	NO		52, 57, 58	
			J57-6/I	48				.22	NO		52, 57, 58	
D 244	7				3.30	3.00				A,6B	67, 70, 54	
					3.30	3.00				B,7	70	
D 244A	1		SHLD D244					.25	NO			
			J20-42/I	11				.22	NO		52, 57, 58	
D 244B	2		J24-R	23				.22	NO		62	
			SHLD D244					.25	NO			
D 244L			J20-41/O	11			.22	.23	NO		51	
			J24-CC	23				.22	NO		62	
D 244R			J20-41/I	11				.22	NO		52, 57, 58	
			J24-DD	23				.22	NO		62	
D 245	7				3.30	3.00				A,6B	67, 70, 54	
					3.30	3.00				B,7	70	
D 245A	1		SHLD D245					.25	NO			
			J20-42/O	11				.23	NO		51, 54	
D 245B	2		J24-L	23				.22	NO		62	
			SHLD D245					.25	NO			
D 245L			J20-43/O	11			.22	.25	NO		51	
			J24-AA	23				.22	NO		62	
D 245R			J20-43/I	11				.22	NO		52, 57, 58	
			J24-BB	23				.22	NO		62	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 76 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 246	7				3.80	3.50				A,6B	67, 70, 54	
					3.80	3.50				B,7	70	
D 246A	1		SHLD D246					.25	NO			
			J20-45	11				.22	NO		56	
D 246B	2		J24-G	23				.22	NO		62	
			SHLD D246					.25	NO			
D 246L			J20-44/O	11			.22	.23	NO		51	
			J24-Y*	23				.22	NO		62	
D 246R			J20-44/I	11				.22	NO		52, 57, 58	
			J24-Z*	23				.22	NO		62	
D 247	1		J20-35/I	11				.22	NO		52, 57, 58	
			J60-BB	44				.22	NO		61	
D 248	1		J20-35/O	11				.23	NO		51	
			J60-M	44				.22	NO		61	
D 249	7				2.80	2.50				B,7	70, 54	
					2.80	2.50				B,7	70	
D 249L			J20-36/O	11			.22	.23	NO		51	
			J60-FF	44				.22	NO		61	
D 249R			J20-36/I	11				.22	NO		52, 57, 58	
			J60-N	44				.22	NO		61	
D 250	11				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 250L			J20-33/O	11			.22	.23	NO		51	
			J60-GG	44				.22	NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 77 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 250R			J20-33/I	11				.22	NO		52, 70, 58	
			J60-EE	44				.22	NO		61	
D 250Y			J20-34	11				.22	NO		56	
			J60-Z*	44				.22	NO		61	
D 251	11				3.30	3.00				B,7	70, 54	
					3.30	3.00				B,7	70	
D 251L			J20-37/O	11			.22	.23	NO		51	
			J60-Y*	44				.22	NO		61	
D 251R			J20-37/I	11				.22	NO		52, 57, 58	
			J60-J	44				.22	NO		61	
D 251Y			J20-38	11				.22	NO		56	
			J60-K	44				.22	NO		61	
D 252	1		J20-39/I	11				.22	NO		52, 57, 58	
			J59-F	45				.22	NO		61	
D 253	1		J20-39/O	11				.23	NO		51, 54	
			J59-E	45				.22	NO		61	
D 254	1		J20-40/I	11				.22	NO		52, 57, 58	
			K63-6	190				.19	YES		92	
D 255	1		J20-40/O	11				.23	NO		51, 54	
			K64-6	191				.19	YES		92	
D 256	7				2.30	2.00				A,6B	67, 70, 54	
					3.30	3.00				A,6B	70	
D 256A	1		SHLD D256					.25	NO			
			J20-47/I	11				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 78 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 256B	2		P80-E19	81				.12	NO		49	
			SHLD D256					.25	NO			
D 256L			J20-46/O	11			.22	.23	NO		51	
			P80-E18	81				.12	NO		49	
D 256R			J20-46/I	11				.22	NO		52, 57, 58	
			P80-E17	81				.12	NO		49	
D 257	7				2.30	2.00				A,6B	67, 70, 54	
					3.30	3.00				A,6B	70	
D 257A	1		SHLD D257					.25	NO			
			J20-47/O	11				.23	NO		51, 54	
D 257B	2		P80-E22	81				.12	NO		49	
			SHLD D257					.25	NO			
D 257L			J20-48/O	11			.22	.23	NO		51	
			P80-E21	81				.12	NO		49	
D 257R			J20-48/I	11				.22	NO		52, 57, 58	
			P80-E20	81				.12	NO		49	
D 258	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 258A	1		SHLD D258					.25	NO			
			J20-26/I	11				.22	NO		52, 57, 58	
D 258L			J20-25/O	11			.22	.23	NO		51	
			J57-47/O	48			.22	.23	NO		51	
D 258R			J20-25/I	11				.22	NO		52, 57, 58	
			J57-47/I	48				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 79 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 259	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 259A	1		SHLD D259					.25	NO			
			J20-26/O	11				.23	NO		51 , 54	
D 259L			J20-27/O	11			.22	.23	NO		51	
			J57-49/O	48			.22	.23	NO		51	
D 259R			J20-27/I	11				.22	NO		52, 57, 58	
			J57-49/I	48				.22	NO		52, 57, 58	
D 260	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 260A	1		SHLD D260					.25	NO			
			J20-29/I	11				.22	NO		52, 57, 58	
D 260L			J20-28/O	11			.22	.23	NO		51	
			J57-50/O	48			.22	.23	NO		51	
D 260R			J20-28/I	11				.22	NO		52, 57, 58	
			J57-50/I	48				.22	NO		52, 57, 58	
D 261	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 261A	1		SHLD D261					.25	NO			
			J20-29/O	11				.23	NO		51 , 54	
D 261L			J20-30/O	11			.22	.23	NO		51	
			J57-48/O	48			.22	.23	NO		51	
D 261R			J20-30/I	11				.22	NO		52, 57, 58	
			J57-48/I	48				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 80 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 262	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 262A	1		SHLD D262					.25	NO			
			J20-11/I	11				.22	NO		52, 57, 58	
D 262L			J20-10/O	11			.22	.23	NO		51	
			J57-35/O	48			.22	.23	NO		51	
D 262R			J20-10/I	11				.22	NO		52, 57, 58	
			J57-35/I	48				.22	NO		52, 57, 58	
D 263	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 263A	1		SHLD D263					.25	NO			
			J20-11/O	11				.23	NO		51 , 54	
D 263L			J20-12/O	11			.22	.23	NO		51	
			J57-36/O	48			.22	.23	NO		51	
D 263R			J20-12/I	11				.22	NO		52, 57, 58	
			J57-36/I	48				.22	NO		52, 57, 58	
D 264	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 264A	1		SHLD D264					.25	NO			
			J20-14/I	11				.22	NO		52, 57, 58	
D 264L			J20-13/O	11			.22	.23	NO		51	
			J57-33/O	48			.22	.23	NO		51	
D 264R			J20-13/I	11				.22	NO		52, 57, 58	
			J57-33/I	48				.22	NO		52, 57, 58	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 81 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 265	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 265A	1		SHLD D265					.25	NO			
			J20-14/O	11				.23	NO		51 , 54	
D 265L			J20-15/O	11			.22	.23	NO		51	
			J57-34/O	48			.22	.23	NO		51	
D 265R			J20-15/I	11				.22	NO		52, 57, 58	
			J57-34/I	48				.22	NO		52, 57, 58	
D 266	2		J16-75	8				.15	NO		63	
			XF14-1	104				.31	YES			
D 267	7				2.30	2.00				A,6B	67, 70	
					2.30	2.00				B,7	70, 54	
D 267A	2		SHLD D267					.25	NO			
			J23-17	15				.15	NO		63	
D 267L			J23-33	15				.15	NO		63	
			J50-12/O	40			.22	.23	NO		53	
D 267R			J23-16	15				.15	NO		63	
			J50-12/I	40				.22	NO		50, 60, 58	
D 268	7				2.80	2.50				B,7	70, 54	
					2.80	2.50				B,7	70	
D 268L			J12-50/O	2			.34	.23	NO		53	
			J23-8	15				.15	NO		63	
D 268R			J12-50/I	2				.22	NO		50, 60, 58	
			J23-7	15				.15	NO		63	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 82 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 269	7				2.80	2.50				B,7	70, 54	
					2.80	2.50				B,7	70	
D 269L			J12-39/O	2			.34	.23	NO		53	
			J23-6	15				.15	NO		63	
D 269R			J12-39/I	2				.22	NO		50, 60, 58	
			J23-5	15				.15	NO		63	
D 270	7				2.80	2.50				B,7	70, 54	
					2.80	2.50				B,7	70	
D 270L			J12-38/O	2			.34	.23	NO		53	
			J23-4	15				.15	NO		63	
D 270R			J12-38/I	2				.22	NO		50, 60, 58	
			J23-3	15				.15	NO		63	
D 271	7				2.80	2.50				B,7	70, 54	
					2.80	2.50				B,7	70	
D 271L			J12-37/O	2			.34	.23	NO		53	
			J23-1	15				.15	NO		63	
D 271R			J12-37/I	2				.22	NO		50, 60, 58	
			J23-2	15				.15	NO		63	
D 272	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 272A	2		SHLD D272					.25	NO			
			J23-9	15				.15	NO		63	
D 272L			J23-21	15				.15	NO		63	
			J57-25/O	48			.22	.23	NO		51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 83 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 272R			J23-22	15				.15	NO		63	
			J57-25/I	48				.22	NO		52, 57, 58	
D 273	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 273A	2		SHLD D273					.25	NO			
			J23-24	15				.15	NO		63	
D 273L			J23-23	15				.15	NO		63	
			J57-26/O	48			.22	.23	NO		51	
D 273R			J23-10	15				.15	NO		63	
			J57-26/I	48				.22	NO		52, 57, 58	
D 274	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 274A	2		SHLD D274					.25	NO			
			J23-26	15				.15	NO		63	
D 274L			J23-25	15				.15	NO		63	
			J57-27/O	48			.22	.23	NO		51	
D 274R			J23-11	15				.15	NO		63	
			J57-27/I	48				.22	NO		52, 57, 58	
D 275	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 275A	2		SHLD D275					.25	NO			
			J23-13	15				.15	NO		63	
D 275L			J23-27	15				.15	NO		63	
			J57-29/O	48			.22	.23	NO		51	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 84 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 275R			J23-12	15				.15	NO		63	
			J57-29/I	48				.22	NO		52, 57, 58	
D 276	7				2.30	2.00				A,6B	67, 70, 54	
					2.30	2.00				B,7	70, 54	
D 276A	2		SHLD D276					.25	NO			
			J23-30	15				.15	NO		63	
D 276L			J23-29	15				.15	NO		63	
			J57-30/O	48			.22	.23	NO		51	
D 276R			J23-14	15				.15	NO		63	
			J57-30/I	48				.22	NO		52, 57, 58	
D 277	7				2.80	2.50				A,6B	67, 70, 54	
					2.80	2.50				B,7	70, 54	
D 277A	2		SHLD D277					.25	NO			
			J23-32	15				.15	NO		63	
D 277L			J23-31	15				.15	NO		63	
			J57-28/O				.22	.23	NO		51	
D 277R			J23-15	15				.15	NO		63	
			J57-28/I	48				.22	NO		52, 57, 58	
D 278	7				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 278A	2		SHLD D278					.25	NO			
			J23-36	15				.15	NO		63	
D 278B	2		P81-D23	71				.12	NO		49	
			SHLD D278					.25	NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 85 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 278L			J23-35	15				.15	NO		63	
			P81-D22	71				.12	NO		49	
D 278R			J23-18	15				.15	NO		63	
			P81-D21	71				.12	NO		49	
D 279	7				2.80	2.50				A,6B	67, 70	
					3.30	3.00				A,6B	67, 70	
D 279A	2		SHLD D279					.25	NO			
			J23-20	15				.15	NO		63	
D 279B	2		P81-D26	71				.12	NO		49	
			SHLD D279					.25	NO			
D 279L			J23-37	15				.15	NO		63	
			P81-D25	71				.12	NO		49	
D 279R			J23-19	15				.15	NO		63	
			P81-D24	71				.12	NO		49	
D 280	3		J24-X	23				.22	NO		62	
			J66-B*	60				.22	NO		62	
D 281	3		J24-Y	23				.22	NO		62	
			J66-C*	60				.22	NO		62	
D 282	6				2.30	2.00				A,6A	~~68~~ 67, 71	
					2.30	2.00				B,7	71	
D 282A	2		SHLD D282					.25	NO			
			E12-B	26				.38	NO			
D 282W			J24-K*	23				.22	NO		62	
			J52-G	37				.22	NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 86 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 283	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 283A	2		SHLD D283 E12-B	 26				.25 .38	NO NO			
D 283W			J24-J* J52-J	23 37				.22 .22	NO NO		62 61	
D 284	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 284A	2		SHLD D284 E12-B	 26				.25 .38	NO NO			
D 284W			J24-I* J52-L	23 37				.22 .22	NO NO		62 61	
D 285	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66,~~ 67 71 71	
D 285A	2		SHLD D285 E12-B	 26				.25 .38	NO NO			
D 285W			J24-H* J52-H	23 37				.22 .22	NO NO		62 61	
D 286	3		J24-P* J52-U	23 37				.22 .22	NO NO		62 61	
D 287	3		J24-N* J52-V	23 37				.22 .22	NO NO		62 61	
D 288	3		J24-M* J65-CC	23 61				.22 .22	NO NO		62 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 87 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 289	3		J24-G* P80-E32	23 81				.22 .12	NO NO		62 49	
D 290	3		J24-T* J65-P*	23 61				.22 .22	NO NO		62 61	
D 291	3		J24-S* J65-Q*	23 61				.22 .22	NO NO		62 61	
D 292	3		J24-R* J56-N*	23 41				.22 .22	NO NO		62 61	
D 293	3		J24-Q* J56-P*	23 41				.22 .22	NO NO		62 61	
D 294	3		J24-W J66-A*	23 60				.22 .22	NO NO		62 62	
D 295	3		J24-F* E12-B	23 26				.22 .38	NO NO		62	
D 296	2		J26-33 E13-B	20 25				.15 .38	NO NO		64	
D 297	2		J26-63 E12-B	20 26				.15 .38	NO NO		64	
D 298	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 298A	2		SHLD D298 E13-B	 25				.25 .38	NO NO			
D 298L			J26-38 P75-E2	20 86				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 88 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 298R			J26-37 P75-E1	20 86				.15 .12	NO NO		64 49	
D 299	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 299A	2		SHLD D299 E13-B	 25				.25 .38	NO NO			
D 299L			J26-40 P75-E4	20 86				.15 .12	NO NO		64 49	
D 299R			J26-39 P75-E3	20 86				.15 .12	NO NO		64 49	
D 300	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 300A	2		SHLD D300 E13-B	 25				.25 .38	NO NO			
D 300L			J26-42 P76-F20	20 91				.15 .12	NO NO		64 49	
D 300R			J26-41 P76-F19	20 91				.15 .12	NO NO		64 49	
D 301	8				2.30 3.30	2.00 3.00				A,6A B,7	67, 70 70	
D 301A	2		SHLD D301 E13-B	 25				.25 .38	NO NO			
D 301L			J26-49 P75-E6	20 86				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 89 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 301R			J26-46 P75-E5	20 86				.15 .12	NO NO		64 49	
D 302	6				2.30 3.30	2.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 302A	2		SHLD D302 E13-B	 25				.25 .38	NO NO			
D 302W			J26-47 P75-E9	20 86				.15 .12	NO NO		64 49	
D 303	6				2.30 3.30	2.00 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 303A	2		SHLD D303 E13-B	 25				.25 .38	NO NO			
D 303W			J26-48 P75-E11	20 86				.15 .12	NO NO		64 49	
D 304	6				2.80 3.30	2.50 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 304A	2		SHLD D304 E13-B	 25				.25 .38	NO NO			
D 304W			J26-44 P75-E15	20 86				.15 .12	NO NO		64 49	
D 305	6				2.80 3.30	2.50 3.00				A,6A B,7	~~66,~~ 67 71 71	
D 305A	2		SHLD D305 E13-B	 25				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 90 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 305W			J26-45 P75-E13	20 86				.15 .12	NO NO		64 49	
D 306	2		J26-2 J56-D*	20 41				.15 .22	NO NO		64 61	
D 307	2		J26-4 J56-F*	20 41				.15 .22	NO NO		64 61	
D 308	2		J26-6 J56-H*	20 41				.15 .22	NO NO		64 61	
D 309	2		J26-9 J65-T*	20 61				.15 .22	NO NO		64 61	
D 310	8				3.30 3.30	3.00 3.00				B,7 B,7	70 70	
D 310L			J26-14 J65-N*	20 61				.15 .22	NO NO		64 61	
D 310R			J26-13 J65-M*	20 61				.15 .22	NO NO		64 61	
D 311	8				3.30 3.30	3.00 3.00				B,7 B,7	70 70	
D 311L			J26-12 J65-I*	20 61				.15 .22	NO NO		64 61	
D 311R			J26-11 J65-K*	20 61				.15 .22	NO NO		64 61	
D 312	2		J26-30 J65-E	20 61				.15 .22	NO NO		64 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 91 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 313	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 313A	2		SHLD D313 E13-B	 25				.25 .38	NO NO			
D 313W			J26-32 J65-P	20 61				.15 .22	NO NO		64 61	
D 314	6				3.80 3.30	3.50 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 314A	2		SHLD D314 E13-B	 25				.25 .38	NO NO			
D 314W			J26-35 J65-B*	20 61				.15 .22	NO NO		64 61	
D 315	2		J11-1 J14-22	4 10				.22 .15	NO NO		55 64	
D 316	4		J20-53 TB3-~~10~~ 9	11 ~~143~~ 144				.23 .19	NO NO		99 84	
D 317	4		J20-54 TB3-11	11 146				.23 .19	NO NO		99 84	
D 318	4		J20-55 TB3-~~12~~ 11	11 ~~145~~ 146				.23 .19	NO NO		99 84	
D 319	8				4.30 3.30	4.00 3.00				B,7 B,7	70 70	
D 319L			J26-24 P70-E4	20 74				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 92 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 319R			J26-23 P70-E3	20 74				.15 .12	NO NU		64 49	
D 320	8				4.30 3.30	4.00 3.00				B,7 B,7	70 70	
D 320L			J26-26 P70-E6	20 74				.15 .12	NO NO		64 49	
D 320R			J26-25 P70-E5	20 74				.15 .12	NO NO		64 49	
D 321	2		J26-27 P70-E7	20 74				.15 .12	NO NO		64 49	
D 322	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 322L			J26-81 P70-E9	20 74				.15 .12	NO NO		64 49	
D 322R			J26-80 P70-E8	20 74				.15 .12	NO NO		64 49	
D 323	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 323L			J26-83 P70-E11	20 74				.15 .12	NO NO		64 49	
D 323R			J26-82 P70-E10	20 74				.15 .12	NO NO		64 49	
D 324	2		J26-84 P70-E12	20 74				.15 .12	NO NO		64 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 93 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 325	8				3.80 3.80	3.50 3.50				B,7 B,7	70 70	
D 325L			J26-22 J66-HH	20 60				.15 .22	NO NO		64 62	
D 325R			J26-21 J66-GG	20 60				.15 .22	NO NO		64 62	
D 327	6				2.30 2.30	2.00 2.00				A,6A B,7	~~66~~ 67, 71 71	
D 327A	2		SHLD D327 E14-B	 34				.25 .38	NO NO			
D 327W			J26-74 J65-W	20 61				.15 .22	NO NO		64 61	
D 328	2		J26-76 XF22-2	20 111				.15 .31	NO YES		64	
D 329	2		J26-77 J65-BB	20 61				.15 .22	NO NO		64 61	
D 330	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 330B	2		TB5-~~4~~ 3 SHLD D330	~~158~~ 159				.19 .25	NO NO		83	
D 330L			J27-N TB2-2	19 119				.22 .19	NO NO		61 83	
D 330R			J27-L TB2-3	19 120				.22 .19	NO NO		61 83	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 94 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 331	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 331A	2		SHLD D331 E14-B	 34				.25 .38	NO NO			
D 331L			J28-X J61-U	29 56				.22 .22	NO NO		62 61	
D 331R			J28-Y J61-T	29 56				.22 .22	NO NO		62 61	
D 332	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 332A	2		SHLD D332 E14-B	 34				.25 .38	NO NO			
D 332L			J28-V J61-S*	29 56				.22 .22	NO NO		62 61	
D 332R			J28-W J61-R*	29 56				.22 .22	NO NO		62 61	
D 333	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 333A	2		SHLD D333 E14-B	 34				.25 .38	NO NO			
D 333L			J28-NN J52-FF	29 37				.22 .22	NO NO		62 61	
D 333R			J28-PP J52-EE	29 37				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 95 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 334	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 334A	2		SHLD D334 E14-B	 34				.25 .38	NO NO			
D 334L			J28-LL J52-HH	29 37				.22 .22	NO NO		62 61	
D 334R			J28-MM J52-GG	29 37				.22 .22	NO NO		62 61	
D 335	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 335A	2		SHLD D335 E14-B	 34				.25 .38	NO NO			
D 335L			J28-JJ J53-BB	29 36				.22 .22	NO NO		62 61	
D 335R			J28-KK J53-AA	29 36				.22 .22	NO NO		62 63	
D 336	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 336A	2		SHLD D336 E14-B	 34				.25 .38	NO NO			
D 336L			J28-FF J53-X*	29 36				.22 .22	NO NO		62 61	
D 336R			J28-GG J53-W*	29 36				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 96 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 337	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 337A	2		SHLD D337 E14-B	 34				.25 .38	NO NO			
D 337L			J28-DD J53-V*	29 36				.22 .22	NO NO		62 61	
D 337R			J28-EE J53-U*	29 36				.22 .22	NO NO		62 61	
D 338	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 338A	2		SHLD D338 E14-B	 34				.25 .38	NO NO			
D 338L			J28-X* J52-S	29 37				.22 .22	NO NO		62 61	
D 338R			J28-Y* J52-R	29 37				.22 .22	NO NO		62 61	
D 339	9				3.80 3.80	3.50 3.50				A,6A B,7	67, 69 69	
D 339A	2		SHLD D339 E14-B	 34				.25 .38	NO NO			
D 339L			J28-V* J52-J*	29 37				.22 .22	NO NO		62 61	
D 339R			J28-W* J52-I*	29 37				.22 .22	NO NO		62 61	

CODE IDENT NO. 99974 SIZE A 2900719

SCALE-NONE REV LTR FK SHEET 97 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 340	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 340A	2		SHLD D340 J28-S*	 29				.25 .22	NO NO		 62	
D 340B	2		J52-M SHLD D340	37				.22 .25	NO NO		61	
D 340L			J28-T* J52-M*	29 37				.22 .22	NO NO		62 61	
D 340R			J28-U* J52-K*	29 37				.22 .22	NO NO		62 61	
D 341	9				2.30 2.30	2.00 2.00				A,6B A,6B	67, 69 67, 69	
D 341A	2		SHLD D341 J28-P*	 29				.25 .22	NO NO		 62	
D 341B	2		J52-K SHLD D341	37				.22 .25	NO NO		61	
D 341L			J28-Q* J52-Z*	29 37				.22 .22	NO NO		62 61	
D 341R			J28-R* J52-Y*	29 37				.22 .22	NO NO		62 61	
D 342	15				2.30 2.30	2.00 2.00				A,6B A,6B	66, 70 66, 70	
D 342A	2		SHLD D342 J28-M*	 29				.25 .22	NO NO		 62	

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SCALE-NONE REV LTR FK SHEET 98 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 342B	2		J53-S SHLD D342	36				.22 .25	NO NO		61	
D 342E			J28-N* J53-R	29 36				.22 .22	NO NO		62 61	
D 343	3		J28-CC J52-P	29 37				.22 .22	NO NO		62 61	
D 344	3		J28-AA J52-N	29 37				.22 .22	NO NO		62 61	
D 345	3		J28-BB J52-B	29 37				.22 .22	NO NO		62 61	
D 346	3		J28-HH XF26-1	29 115				.22 .31	NO YES		62	
D 347	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 347L			J28-T J53-T	29 36				.22 .22	NO NO		62 61	
D 347R			J28-U J53-A	29 36				.22 .22	NO NO		62 61	
D 348	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 348A	2		SHLD D348 E15-B	 32				.25 .38	NO NO			
D 348L			J28-J* J52-BB	29 37				.22 .22	NO NO		62 61	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 348R			J28-K* J52-AA	29 37				.22 .22	NO NO		62 61	
D 349	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 349A	2		SHLD D349 E15-B	 32				.25 .38	NO NO			
D 349L			J28-H* J61-P	29 56				.22 .22	NO NO		62 61	
D 349R			J28-I* J61-N	29 56				.22 .22	NO NO		62 61	
D 350	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 350A	2		SHLD D350 E15-B	 32				.25 .38	NO NO			
D 350L			J28-F* J61-N*	29 56				.22 .22	NO NO		62 61	
D 350R			J28-G* J61-M*	29 56				.22 .22	NO NO		62 61	
D 351	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 351A	2		SHLD D351 E15-B	 32				.25 .38	NO NO			
D 351L			J28-D* J56-D	29 41				.22 .22	NO NO		62 61	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 351R			J28-E* J56-C	29 41				.22 .22	NO NO		62 61	
D 352	9				2.80 2.80	2.50 2.50				A,6A B,7	67, 69 69	
D 352A	2		SHLD D352 E15-B	 32				.25 .38	NO NO			
D 352L			J28-B* J56-F	29 41				.22 .22	NO NO		62 61	
D 352R			J28-C* J56-E	29 41				.22 .22	NO NO		62 61	
D 353	9				2.30 2.30	2.00 2.00				A,6A B,7	67, 69 69	
D 353A	2		SHLD D353 E15-B	 32				.25 .38	NO NO			
D 353L			J28-Z J61-K*	29 56				.22 .22	NO NO		62 61	
D 353R			J28-A* J61-J*	29 56				.22 .22	NO NO		62 61	
D 354	3		J28-B E17-B	29 33				.22 .38	NO NO		62	
D 355	4		J54-10 XF23-2	43 112				.22 .31	NO YES		59	
D 356	4		J54-11 XF24-2	43 113				.22 .31	NO YES		59	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 357	4		J54-12 P83-F15	43 92				.22 .22 ~~.12~~	NO NO		59 98	
D 358	9				2.80 3.80	2.50 3.50				A,6B A,6B	67, 69 67, 69	
D 358A	2		SHLD D358 J24-Z	 23				.25 .22	NO NO		 62	
D 358B	2		P80-C22 SHLD D358	69				.12 .25	NO NO		49	
D 358L			J24-U* P80-C21	23 69				.22 .12	NO NO		62 49	
D 358R			J24-V* P80-C20	23 69				.22 .12	NO NO		62 49	
D 359	9				2.80 3.30	2.50 3.00				A,6B A,6B	67, 69 67, 69	
D 359A	2		SHLD D359 J24-C*	 23				.25 .22	NO NO		 62	
D 359B	2		P80-C19 SHLD D359	69				.12 .25	NO NO		49	
D 359L			J24-W* P80-C18	23 69				.22 .12	NO NO		62 49	
D 359R			J24-X* P80-C17	23 69				.22 .12	NO NO		62 49	
D 360	3		J52-T E21-B	37 49				.22 .38	NO NO		61	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 361	3		J53-B E21-B	36 49				.22 .38	NO NO		61	
D 362	3		J55-FF P70-E13	42 74				.22 .12	NO NO		62 49	
D 363	3		J55-GG P70-E14	42 74				.22 .12	NO NO		62 49	
D 364	3		J55-U P70-E15	42 74				.22 .12	NO NO		62 49	
D 365	~~3~~		~~J55-Y*~~ ~~P70-E16~~	~~42~~ DELETED ~~74~~				~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 366	~~3~~		~~J55-V*~~ ~~P70-E17~~	~~42~~ DELETED ~~74~~				~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 367	~~3~~		~~J55-R*~~ ~~P70-E18~~	~~42~~ DELETED ~~74~~				~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~62~~ ~~49~~	
D 368	3		J55-V P70-E19	42 74				.22 .12	NO NO		62 49	
D 369	3		J55-CC P74-A19	42 74				.22 .12	NO NO		62 49	
D 370	3		J55-H* P74-A20	42 74				.22 .12	NO NO		62 49	
D 371	3		J55-G* P70-E22	42 74				.22 .12	NO NO		62 49	
D 372	3		J55-NN P12-F	42 63				.22 .22	NO NO		62	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 103 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 373	3		J55-C XF15-2	42 105				.22 .31	NO YES		62	
D 374	3		J55-X TB2-19	42 132				.22 .19	NO NO		62 83	
D 375	3		J55-BB TB2-1	42 119A				.22 .19	NO NO		62 83	
D 376	3		J55-AA TB2-22	42 134				.22 .19	NO NO		62 83	
D 377	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 377B	2		E15-B SHLD D377	32				.38 .25	NO NO			
D 377L			J56-U J28-M	41 29				.22 .22	NO NO		61 62	
D 377R			J56-T J28-N	41 29				.22 .22	NO NO		61 62	
D 378	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 378B	2		E15-B SHLD D378	32				.38 .25	NO NO			
D 378L			J56-S J28-P	41 29				.22 .22	NO NO		61 62	
D 378R			J56-R J28-R	41 29				.22 .22	NO NO		61 62	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 104 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 379	3		J58-B E25-B	47 51				.22 .38	NO NO		61	
D 380	3		J58-N E27-B	47 46				.22 .38	NO NO		61	
D 381	3		J58-P E27-B	47 46				.22 .38	NO NO		61	
D 382	3		J58-R E27-B	47 46				.22 .38	NO NO		61	
D 383	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 383L			J58-V P70-E27	47 74				.22 .12	NO NO		61 49	
D 383R			J58-U P70-E26	47 74				.22 .12	NO NO		61 49	
D 384	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 384L			J58-X P70-E29	47 74				.22 .12	NO NO		61 49	
D 384R			J58-W P70-E28	47 74				.22 .12	NO NO		61 49	
D 385	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 385L			J58-Z P70-E31	47 74				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 105 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 385R			J58-Y P70-E30	47 74				.22 .12	NO NO		61 49	
D 386	3		J55-W P70-E32	42 74				.22 .12	NO NO		62 49	
D 387	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 387L			J26-66 J65-V*	20 61				.15 .22	NO NO		64 61	
D 387R			J26-65 J65-U*	20 61				.15 .22	NO NO		64 61	
D 388	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 388L			J26-68 J65-X*	20 61				.15 .22	NO NO		64 61	
D 388R			J26-67 J65-W*	20 61				.15 .22	NO NO		64 61	
D 389	8				2.30 2.30	2.00 2.00				B,7 B,7	70 70	
D 389L			J26-70 J65-Z*	20 61				.15 .22	NO NO		64 61	
D 389R			J26-69 J65-Y*	20 61				.15 .22	NO NO		64 61	
D 390	3		J58-Z* P75-D17	47 73				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974 | SIZE A | 2900719

SCALE-NONE | REV LTR K | SHEET 106 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 391	2		J58-M K65-1	47 192				.22 .19	NO YES		61 92	
D 392	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 392A	2		SHLD D392 E21-B	 49				.25 .38	NO NO			
D 392L			J59-D* P76-E14	45 89				.22 .12	NO NO		61 49	
D 392R			J59-C* P76-E13	45 89				.22 .12	NO NO		61 49	
D 393	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 393A	2		SHLD D393 E21-B	 49				.25 .38	NO NO			
D 393L			J59-B* P76-E16	45 89				.22 .12	NO NO		61 49	
D 393R			J59-A* P76-E15	45 89				.22 .12	NO NO		61 49	
D 394	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 394A	2		SHLD D394 E21-B	 49				.25 .38	NO NO			
D 394L			J59-N* P76-E18	45 89				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 107 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 394R			J59-M* P76-E17	45 89				.22 .12	NO NO		61 49	
D 395	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 395A	2		SHLD D395 E21-B	 49				.25 .38	NO NO			
D 395L			J59-K* P76-E20	45 89				.22 .12	NO NO		61 49	
D 395R			J59-J* P76-E19	45 89				.22 .12	NO NO		61 49	
D 396	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 396A	2		SHLD D396 E21-B	 49				.25 .38	NO NO			
D 396L			J59-W* P76-E22	45 89				.22 .12	NO NO		61 49	
D 396R			J59-V* P76-E21	45 89				.22 .12	NO NO		61 49	
D 397	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 397A	2		SHLD D397 E21-B	 49				.25 .38	NO NO			
D 397L			J59-U* P76-E24	45 89				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 108 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 397R			J59-T* P76-E23	45 89				.22 .12	NO NO		61 49	
D 398	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 398A	2		SHLD D398 E21-B	 49				.25 .38	NO NO			
D 398L			J59-HH P74-A22	45 70				.22 .12	NO NO		61 49	
D 398R			J59-GG P74-A21	45 70				.22 .12	NO NO		61 49	
D 399	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 399A	2		SHLD D399 E21-B	 49				.25 .38	NO NO			
D 399L			J59-FF P75-D29	45 73				.22 .12	NO NO		61 49	
D 399R			J59-EE P75-D28	45 73				.22 .12	NO NO		61 49	
D 400	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 400A	2		SHLD D400 E21-B	 49				.25 .38	NO NO	A,6A B,7		
D 400L			J59-DD P75-D22	45 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 109 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 400R			J59-CC P75-D21	45 73				.22 .12	NO NO		61 49	
D 401	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 401A	2		SHLD D401 E21-B	 49				.25 .38	NO NO			
D 401L			J59-KK P74-A24	45 70				.22 .12	NO NO		61 49	
D 401R			J59-JJ P74-A23	45 70				.22 .12	NO NO		61 49	
D 402	3		J59-A E21-B	45 49				.22 .38	NO NO		61	
D 403	3		J59-B E21-B	45 49				.22 .38	NO NO		61	
D 404	3		J59-BB J29-BB	45 28				.22 .22	NO NO		61 61	
D 405	3		J59-AA J29-EE	45 28				.22 .22	NO NO		61 61	
D 406	3		J59-Y* J29-HH	45 28				.22 .22	NO NO		61 61	
D 407	3		J59-R* J29-A*	45 28				.22 .22	NO NO		61 61	
D 408	3		J59-Q* J29-E	45 28				.22 .22	NO NO		61 61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR FK	SHEET 110 OF ~~157~~ 160

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 409	3		J59-X* J29-S	45 28				.22 .22	NO NO		61 61	
D 410	3		J59-S* J29-N	45 28				.22 .22	NO NO		61 61	
D 411	~~3~~		~~J59-H*~~ ~~J29-PP~~	~~45~~ ~~28~~	DELETED			~~.22~~ ~~.22~~	~~NO~~ ~~NO~~		~~61~~ ~~61~~	
D 412	3		J59-F* P80-A15	45 66				.22 .12	NO NO		61 49	
D 413	3		J59-G* P80-A16	45 66				.22 .12	NO NO		61 49	
D 414	3		J59-E* P80-A14	45 66				.22 .12	NO NO		61 49	
D 415	3		J29-K P80-E14	28 81				.22 .12	NO NO		61 49	
D 416	3		J29-H P80-E15	28 81				.22 .12	NO NO		61 49	
D 417	3		J29-J P80-E16	28 81				.22 .12	NO NO		61 49	
D 418	3		J29-W* P80-F1	28 83				.22 .12	NO NO		61 49	
D 419	3		J29-AA P80-A1	28 66				.22 .12	NO NO		61 49	
D 420	3		J29-DD P80-B1	28 67				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 111 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 421	~~3~~		~~J29-NN~~ ~~P80-C1~~	~~28~~ ~~69~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~61~~ ~~49~~	
D 422	3		J29-Y* P80-A2	28 66				.22 .12	NO NO		61 49	
D 423	3		J29-X* P80-B2	28 67				.22 .12	NO NO		61 49	
D 424	3		J29-GG P80-C2	28 69				.22 .12	NO NO		61 49	
D 425	3		J29-KK P80-A3	28 66				.22 .12	NO NO		61 49	
D 426	3		J29-P P80-B3	28 67				.22 .12	NO NO		61 49	
D 427	3		J29-T P80-C3	28 69				.22 .12	NO NO		61 ~~98~~ 49	
D 428	3		J29-Z* P80-A4	28 66				.22 .12	NO NO		61 49	
D 429	3		J29-CC P80-B4	28 67				.22 .12	NO NO		61 49	
D 430	~~3~~		~~J29-MM~~ ~~P80-C4~~	~~28~~ ~~69~~	DELETED			~~.22~~ ~~.12~~	~~NO~~ ~~NO~~		~~61~~ ~~49 98~~	
D 431	3		J29-FF P80-A5	28 66				.22 .12	NO NO		61 49	
D 432	3		J29-JJ P80-B5	28 67				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 112 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 433	3		J29-R P80-C5	28 69				.22 .12	NO NO		61 49	
D 434	2		J29-U K66-8	28 193				.22 .19	NO YES		61 92	
D 435	3		J29-M E16-B	28 30				.22 .38	NO NO		61	
D 436	3		J60-Z K66-3	44 193				.22 .19	NO YES		61 92	
D 437	3		J60-X* P75-D30	44 73				.22 .12	NO NO		61 49	
D 438	3		J60-V P74-F25	44 85				.22 .12	NO NO		61 49	
D 439	7				3.30 3.30	3.00 3.00				B,7 B,7	70 70, 54	
D 439L			J60-HH J19-44/O	44 12			.34	.22 .23	NO NO		61 53	
D 439R			J60-W* J19-44/I	44 12				.22 .22	NO NO		61 50, 60, 58	
D 440	3		J60-X K60-3	44 187				.22 .19	NO YES		61 92	
D 441	3		J60-W K59-3	44 186				.22 .19	NO YES		61 92	
D 442	3		J60-C P1-E	44 35				.22 .31	NO YES		61 72	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 113 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 443	3		J60-D P80-A31	44 66				.22 .12	NO NO		61 49	
D 444	3		J60-A* P78-E8	44 77				.22 .12	NO NO		61 49	
D 445	3		J60-B* P78-F9	44 78				.22 .12	NO NO		61 49	
D 446	3		J60-C* P78-E11	44 77				.22 .12	NO NO		61 49	
D 447	3		J60-D* P78-F13	44 78				.22 .12	NO NO		61 49	
D 448	3		J60-E* P78-E15	44 77				.22 .12	NO NO		61 49	
D 449	3		J60-F* P78-F17	44 78				.22 .12	NO NO		61 49	
D 450	3		J60-G* P78-E19	44 77				.22 .12	NO NO		61 49	
D 451	3		J60-H* P78-F21	44 78				.22 .12	NO NO		61 49	
D 452	3		J60-J* P78-E23	44 77				.22 .12	NO NO		61 49	
D 453	3		J60-K* P78-F25	44 78				.22 .12	NO NO		61 49	
D 454	3		J60-M* P78-E27	44 77				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 114 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 455	3		J60-N* P78-F28	44 78				.22 .12	NO NO		61 49	
D 456	3		J60-P* P78-E29	44 77				.22 .12	NO NO		61 49	
D 457	3		J60-Q* P78-F30	44 78				.22 .12	NO NO		61 49	
D 458	3		J60-R* P78-E31	44 77				.22 .12	NO NO		61 49	
D 459	3		J60-G P77-F29	44 78				.22 .12	NO NO		61 49	
D 460	3		J60-I* P77-E30	44 77				.22 .12	NO NO		61 49	
D 461	3		J60-Y P74-F28	44 ~~78~~ 85				.22 .12	NO NO		61 49	
D 462	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 462A	2		SHLD D462 E23-B	 52				.25 .38	NO NO			
D 462L			J61-W P75-B28	56 72				.22 .12	NO NO		61 49	
D 462R			J61-V P75-B27	56 72				.22 .12	NO NO		61 49	
D 463	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR K	SHEET 115 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 463A	2		SHLD D463 E23-B	 52				.25 .38	NO NO			
D 463L			J61-PP P75-B26	56 72				.22 .12	NO NO		61 49	
D 463R			J61-NN P75-B25	56 72				.22 .12	NO NO		61 49	
D 464	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 464A	2		SHLD D464 E23-B	 52				.25 .38	NO NO			
D 464L			J61-F P75-B8	56 72				.22 .12	NO NO		61 98	
D 464R			J61-E P75-B7	56 72				.22 .12	NO NO		61 49	
D 465	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 465A	2		SHLD D465 E23-B	 52				.25 .38	NO NO			
D 465L			J61-H* P76-F22	56 72				.22 .12	NO NO		61 49	
D 465R			J61-G* P76-F21	56 72				.22 .12	NO NO		61 49	
D 466	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR K	SHEET 116 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 466A	2		SHLD D466 E23-B	 52				.25 .38	NO NO			
D 466L			J61-F* P75-B20	56 72				.22 .12	NO NO		61 49	
D 466R			J61-E* P75-B19	56 72				.22 .12	NO NO		61 49	
D 467	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 467A	2		SHLD D467 E23-B	 52				.25 .38	NO NO			
D 467L			J61-D* P75-B18	56 72				.22 .12	NO NO		61 49	
D 467R			J61-C* P75-B17	56 72				.22 .12	NO NO		61 49	
D 468	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 468A	2		SHLD D468 E23-B	 52				.25 .38	NO NO			
D 468L			J61-S P75-B24	56 72				.22 .12	NO NO		61 49	
D 468R			J61-R P75-B23	56 72				.22 .12	NO NO		61 49	
D 469	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR K	SHEET 117 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 469A	2		SHLD D469 E23-B	 52				.25 .38	NO NO			
D 469L			J61-D P75-B22	56 72				.22 .12	NO NO		61 49	
D 469R			J61-C P75-B21	56 72				.22 .12	NO NO		61 49	
D 470	3		J61-B E23-B	56 52				.22 .38	NO NO		61	
D 471	9				2.80 2.80	2.50 2.50				B,7 B,7	69 69	
D 471L			J61-M J27-K	56 19				.22 .22	NO NO		61 61	
D 471R			J61-L J27-J	56 19				.22 .22	NO NO		61 61	
D 472	3		J62-B E28-B	55 53				.22 .38	NO NO		61	
D 473	3		J62-DD P80-A7	55 66				.22 .12	NO NO		61 49	
D 474	3		J62-GG P80-B7	55 67				.22 .12	NO NO		61 49	
D 475	3		J62-Z* P80-C7	55 69				.22 .12	NO NO		61 49	
D 476	3		J62-E* P79-A1	55 65				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE - NONE	REV LTR K	SHEET 118 OF ~~157~~ 160

MIL 2074 3.63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 477	3		J62-AA P80-A6	55 66				.22 .12	NO NO		61 49	
D 478	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 478A	2		SHLD D478 E28-B	 53				.25 .38	NO NO			
D 478L			J62-J* P75-D11	55 73				.22 .12	NO NO		61 49	
D 478R			J62-K* P75-D12	55 73				.22 .12	NO NO		61 49	
D 479	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 479A	2		SHLD D479 E28-B	 53				.25 .38	NO NO			
D 479L			J62-M* P75-D10	55 73				.22 .12	NO NO		61 49	
D 479R			J62-N* P75-D9	55 73				.22 .12	NO NO		61 49	
D 480	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 480A	2		SHLD D480 E28-B	 53				.25 .38	NO NO			
D 480L			J62-Q* P75-D7	55 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 119 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 480R			J62-P* P75-D8	55 73				.22 .12	NO NO		61 49	
D 481	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 481A	2		SHLD D481 E28-B	 53				.25 .38	NO NO			
D 481L			J62-R* P75-D6	55 73				.22 .12	NO NO		61 49	
D 481R			J62-S* P75-D5	55 73				.22 .12	NO NO		61 49	
D 482	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 482A	2		SHLD D482 E28-B	 53				.25 .38	NO NO			
D 482L			J62-U* P75-D3	55 73				.22 .12	NO NO		61 49	
D 482R			J62-T* P75-D4	55 73				.22 .12	NO NO		61 49	
D 483	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 483A	2		SHLD D483 E28-B	 53				.25 .38	NO NO			
D 483L			J62-V* P75-D2	55 73				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 120 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 483R			J62-W* P75-D1	55 73				.22 .12	NO NO		61 49	
D 484	13				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 484A	2		SHLD D484 E25-B	 51				.25 .38	NO NO			
D 484L			J63-H P76-F29	54 91				.22 .12	NO NO		62 49	
D 484R			J63-G P76-F28	54 91				.22 .12	NO NO		62 49	
D 484Y			J63-J P76-F30	54 91				.22 .12	NO NO		62 49	
D 485	3		J63-I* E23-B	54 52				.22 .38	NO NO		62	
D 486	3		J63-W E23-B	54 52				.22 .38	NO NO		62	
D 487	3		J63-B E25-B	54 51				.22 .38	NO NO		62	
D 488	3		J64-Z* E25-B	54 51				.22 .38	NO NO		61	
D 489	3		J64-A E25-B	54 51				.22 .38	NO NO		61	
D 490	3		J64-B E24-B	54 59				.22 .38	NO NO		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 121 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 FK

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 491	3		J64-Z E25-B	54 51				.22 .38	NO NO		61	
D 492	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 492A	2		SHLD D492 E24-B	 59				.25 .38	NO NO			
D 492L			J64-DD P76-E2	54 89				.22 .12	NO NO		61 98	
D 492R			J64-CC P76-E1	54 89				.22 .12	NO NO		61 49	
D 493	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 493A	2		SHLD D493 E24-B	 59				.25 .38	NO NO			
D 493L			J64-S* P76-E4	54 89				.22 .12	NO NO		61 98	
D 493R			J64-R* P76-E3	54 89				.22 .12	NO NO		61 49	
D 494	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 494A	2		SHLD D494 E24-B	 59				.25 .38	NO NO			
D 494L			J64-BB P76-E6	54 89				.22 .12	NO NO		61 98	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR FK	SHEET 122 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 494R			J64-AA P76-E5	54 89				.22 .12	NO NO		61 49	
D 495	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 495A	2		SHLD D495 E24-B	 59				.25 .38	NO NO			
D 495L			J64-Q* P76-E8	54 89				.22 .12	NO NO		61 98	
D 495R			J64-P* P76-E7	54 89				.22 .12	NO NO		61 49	
D 496	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 496A	2		SHLD D496 E24-B	 59				.25 .38	NO NO			
D 496L			J64-U* P76-E10	54 89				.22 .12	NO NO		61 98	
D 496R			J64-T* P76-E9	54 89				.22 .12	NO NO		61 49	
D 497	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 497A	2		SHLD D497 E24-B	 59				.25 .38	NO NO			
D 497L			J64-N* P76-E12	54 89				.22 .12	NO NO		61 98	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 123 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 497R			J64-M* P76-E11	54 89				.22 .12	NO NO		61 49	
D 498	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 498A	2		SHLD D498 E24-B	 59				.25 .38	NO NO			
D 498L			J64-PP P75-D24	54 73				.22 .12	NO NO		61 49	
D 498R			J64-NN P75-D23	54 73				.22 .12	NO NO		61 49	
D 499	9				2.80 3.30	2.50 3.00				B,7 B,7	69 69	
D 499L			J64-Y* R1-1	54 117				.22 .31	NO YES		61	
D 499R			J64-X* R1-2	54 117				.22 .31	NO YES		61	
D 500	9				2.80 3.30	2.50 3.00				B,7 B,7	69 69	
D 500L			J64-J* R2-1	54 117				.22 .31	NO YES		61	
D 500R			J64-I* R2-2	54 117				.22 .31	NO YES		61	
D 501	3		J64-B* TB3-~~16~~ 13	54 ~~149~~ 147				.22 .19	NO NO		61 83	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR /K
SHEET 124 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 502	3		J64-A* A2-45	54 172				.22 .31	NO YES		61	
D 503	9				2.30 3.30	2.00 8.00				B,7 A,6A	69 67, 69	
D 503A	2		SHLD D503 TB5-~~2~~ 1	 ~~156~~ 157				.25 .38	NO NO		 83	
D 503L			J64-KK T1-6	54 171				.22 .31	NO YES		61 85	
D 503R			J64-JJ T1-5	54 171				.22 .31	NO YES		61 85	
D 504	9				2.30 2.30	2.00 2.00				B,7 A,6A	69 67, 69	
D 504A	2		SHLD D504 TB5-3	 159				.25 .38	NO NO		 83	
D 504L			J64-N P80-A9	54 66				.22 .12	NO NO		61 49	
D 504R			J64-M P80-A8	54 66				.22 .12	NO NO		61 49	
D 505	13				2.30 3.30	2.00 3.00				A,6A B,7	~~67,~~ 66 69 69	
D 505A	2		SHLD D505 E25-B	 51				.25 .38	NO NO			
D 505L			J65-F* P74-A27	61 70				.22 .12	NO NO		61 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR /K
SHEET 125 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 505R			J65-E* P74-A26	61 70				.22 .12	NO NO		61 49	
D 505Y			J65-G* P74-A28	61 70				.22 .12	NO NO		61 49	
D 506	3		J65-DD P80-A32	61 66				.22 .12	NO NO		61 49	
D 507	3		J65-L P80-B32	61 67				.22 .12	NO NO		61 49	
D 508	2		J65-K K64-6	61 191				.22 .19	NO YES		61	
D 509	3		J65-A E24-B	61 59				.22 .38	NO NO		61	
D 510	3		J65-B E24-B	61 59				.22 .38	NO NO		61	
D 511	3		J65-C E25-B	61 51				.22 .38	NO NO		61	
D 512	3		J66-C P76-F23	60 91				.22 .12	NO NO		62 49	
D 513	3		J66-D P76-F31	60 91				.22 .12	NO NO		62 49	
D 514	3		J66-E P76-F32	60 91				.22 .12	NO NO		62 49	
D 515	3		J66-F P71-B1	60 64				.22 .12	NO NO		62 49	

CODE IDENT NO. 99974
SIZE A
2900719
SCALE-NONE
REV LTR FK
SHEET 126 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 516	3		J66-G P71-B2	60 64				.22 .12	NO NO		62 49	
D 517	3		J66-H P71-B3	60 64				.22 .12	NO NO		62 49	
D 518	3		J66-J K61-1	60 188				.22 .19	NO YES		62	
D 519	3		J66-K K62-1	60 189				.22 .19	NO YES		62	
D 520	3		J66-L P73-F9	60 82				.22 .12	NO YES		62 49	
D 521	3		J66-M P73-F10	60 82				.22 .12	YES YES		62 49	
D 522	3		J66-Z P82-F27	60 88				.22 .12	YES YES		62 49	
D 523	3		J66-P* K63-3	60 190				.22 .19	NO YES		62	
D 524	3		J66-Q* K64-3	60 191				.22 .19	NO YES		62 92	
D 525	3		J59-P* J29-LL	45 28				.22 .22	NO NO		61 61	
D 526	3		P79-E17 TB2-12	79 128				.12 .19	NO NO		49 83	
D 527	3		P79-F17 P79-F18	80 80				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR ~~F~~ K	SHEET 127 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 528	3		P79-E19 TB2-18	79 131				.12 .19	NO NO		49 83	
D 529	3		P79-F19 P79-F20	80 80				.12 .12	NO NO		49 49	
D 530	3		P12-B P79-E18	63 79				.22 .12	NO NO		61 49	
D 531	3		P12-C P79-F23	63 80				.22 .12	NO NO		61 49	
D 532	3		P12-A E3	63 31				.22 .38	NO NO		61	
D 533	3		P12-D P79-A2	63 65				.22 .12	NO NO		61 49	
D 534	2		P12-E K65-1	63 192				.22 .19	NO YES		61	
D 535	3		XF14-2 TB2-6	104 123				.31 .19	YES NO		 83	
D 536	3		XF23-1 P83-F1	112 92				.31 .12	YES NO		 49	
D 537	3		XF24-1 P83-F8	113 92				.31 .12	YES NO		 49	
D 538	3		XF7-1 TB2-12	98 128				.31 .19	YES NO		 83	
D 539	3		XF7-2 TB2-24	98 137				.31 .19	YES NO		 83	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR ~~F~~ K	SHEET 128 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 540	3		XF8-2 TB2-10	99 127				.31 .19	YES NO		 83	
D 541	3		XF12-1 TB2-9	102 126				.31 .19	YES NO		 83	
D 542	3		XF12-2 TB1-2	102 136				.31 .19	YES NO		 83	
D 543	4		XF6-1 TB2-8	97 125				.31 .19	YES NO		 84	
D 544	4		XF6-2 TB1-3	97 138				.31 .19	YES NO		 84	
D 545	4		XF4-1 TB2-7	95 124				.31 .19	YES NO		 84	
D 546	4		XF4-2 TB1-3	95 138				.31 .19	YES NO		 84	
D 547	4		XF5-1 TB2-26	96 139				.31 .19	YES NO		 84	
D 548	4		XF5-2 TB1-2	96 136				.31 .19	YES NO		 84	
D 549	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 549B	2		E29-B SHLD D549	58				.38 .25	NO NO			
D 549L			P75-F31 XF10-1	87 100				.12 .31	NO YES		49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR ~~F~~ K	SHEET 129 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 549R			P75-F28 XF10-2	87 100				.12 .31	NO YES		49	
D 550	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 550B	2		E25-B SHLD D550	51				.38 .25	NO NO			
D 550L			P74-E27 XF2-1	84 94				.12 .31	NO YES		49	
D 550R			P74-E26 XF1-1	84 93				.12 .31	NO YES		49	
D 551	7				2.30 3.30	2.00 3.00				B,7 A,6B	70, 54 67, 70, 54	
D 551B	2		P71-B19 SHLD D551	64				.12 .25	NO NO		49	
D 551L			J50-11/O P71-B20	40 64			.34	.23 .12	NO NO		53 49	
D 551R			J50-11/I P71-B17	40 64				.22 .12	NO NO		50, 60, 58 49	
D 552	7				2.30 3.30	2.00 3.00				B,7 A,6B	70, 54 67, 70, 54	
D 552B	2		P71-B22 SHLD D552	64				.12 .25	NO NO		49	
D 552L			J50-10/O P71-B21	40 64			.34	.23 .12	NO NO		53 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR ~~F~~ K	SHEET 130 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 552R			J50-10/I P71-B18	40 64				.22 .12	NO NO		50, 60, 58 49	
D 553	3		XF13-1 P75-D18	103 73				.31 .12	YES NO		49	
D 554	~~3~~		~~P75-D19~~ ~~R2-1~~	~~73~~ ~~117~~	DELETED			~~.12~~ ~~.31~~	~~NO~~ ~~YES~~		~~49~~	
D 555	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 555A	2		SHLD D555 TB7-~~2~~ 1	~~167~~ 166				.25 .19	NO NO		83	
D 555L			A2-100 P82-F21	184 88				.31 .12	YES NO		49	
D 555R			A2-96 P82-F18	184 88				.31 .12	YES NO		49	
D 556	9				2.30 3.30	2.00 2.00				A,6A B,7	67, 69 69	
D 556A	2		SHLD D556 TB7-3	169				.25 .19	NO NO		83	
D 556L			A2-95 P82-F19	184 88				.31 .12	YES NO		49	
D 556R			A2-99 P82-F20	184 88				.31 .12	YES NO		49	
D 557	3		J61-J K63-6	56 190				.22 .19	NO YES		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 131 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 558	3		J61-K P80-C32	56 69				.22 .12	NO NO		61 49	
D 559	3		J60-F P77-F31	44 76				.22 .12	NO NO		61 49	
D 560	3		J60-E P77-E32	44 76				.22 .12	NO NO		61 49	
D 561	3		J60-H TB3-15	44 148				.22 .19	NO NO		61 83	
D 562	4		J17-C* E11-B	14 17				.18 .38	NO NO		73	
D 563	2		J27-E ~~XF26-1~~ P79-F29	19 ~~115~~ 80				.22 ~~.31~~ .12	NO ~~YES~~ NO		61 49	
D 564	2		J27-F TB3-~~14~~ 13	19 147				.22 .19	NO NO		61 83	
D 565	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 565L			J27-G R6-1	19 121				.22 .31	NO YES		61	
D 565R			J27-H R6-2	19 121				.22 .31	NO YES		61	
D 566	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 566L			J64-W* R6-1	62 121				.22 .31	NO YES		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 132 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 566R			J64-V* R6-2	62 121				.22 .31	NO YES		61	
D 567	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 567A	2		SHLD D567 E16-B	30				.25 .38	NO NO			
D 567L			J29-H* P80-B9	28 67				.22 .12	NO NO		61 49	
D 567R			J29-G* P80-B8	28 67				.22 .12	NO NO		61 49	
D 568	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 568A	2		SHLD D568 E16-B	30				.25 .38	NO NO			
D 568L			J29-M* P80-C9	28 69				.22 .12	NO NO		61 49	
D 568R			J29-K* P80-C8	28 69				.22 .12	NO NO		61 49	
D 569	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 569A	2		SHLD D569 E16-B	30				.25 .38	NO NO			
D 569L			J29-D* P80-E11	28 69				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 133 OF ~~157~~ 160

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 569R			J29-C* P80-E10	28 81				.22 .12	NO NO		61 49	
D 570	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 570A	2		SHLD D570 E16-B	30				.25 .38	NO NO			
D 570L			J29-T* P80-C11	28 69				.22 .12	NO NO		61 49	
D 570R			J29-S* P80-C10	28 69				.22 .12	NO NO		61 49	
D 571	9				2.30 3.30	2.00 3.00				A,6A B,7	67, 69 69	
D 571A	2		SHLD D571 E16-B	30				.25 .38	NO NO			
D 571L			J29-R* P80-B11	28 67				.22 .12	NO NO		61 49	
D 571R			J29-Q* P80-B10	28 67				.22 .12	NO NO		61 49	
D 572	9				2.80 3.30	2.50 3.00				A,6A B,7	67, 69 69	
D 572A	2		SHLD D572 E16-B	30				.25 .38	NO NO			
D 572L			J29-F* P80-A11	66				.22 .12	NO NO		61 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 134 OF ~~157~~ 160

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 572R			J29-E* P80-A10	28 66				.22 .12	NO NO		61 49	
D 573	9				2.30 3.30	2.00 3.00				A,6B A,6A	67, 69 67, 69	
D 573A	2		SHLD D573 J27-D	 19				.25 .22	NO NO		 61	
D 573B	2		E20-B SHLD D573	24				.38 .25	NO NO			
D 573L			J27-C P80-E9	19 81				.22 .12	NO NO		61 49	
D 573R			J27-B P80-E8	19 81				.22 .12	NO NO		61 49	
D 574	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 574L			J29-J* R4-G	28 119				.22 .15	NO YES		61	
D 574R			J29-I* R4-R	28 119				.22 .15	NO YES		61	
D 575	9				2.30 2.30	2.00 2.00				B,7 B,7	69 69	
D 575L			J29-P* R5-G	28 119				.22 .15	NO YES		61	
D 575R			J29-N* R5-R	28 119				.22 .15	NO YES		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 135 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 576	3		J20-52 J60-CC	11 44				.22 .22	NO NO		56 61	
D 577	9				2.30 2.30	2.00 2.00				A,6A A,6A	67, 69 67, 69	
D 577B	2		TB5-~~6~~5 SHLD D577	160				.19 .25	NO NO		83	
D 577L			T1-2 TB2-2	171 119				.19 .19	NO NO		85 83	
D 577R			T1-1 TB2-3	171 120				.19 .19	NO NO		85 83	
D 578	3		J60-U TB2-5	44 122				.22 .19	NO NO		61 83	
D 579	3		K66-7 P82-F29	193 88				.19 .12	YES NO		92 49	
D 580			DELETED									
D 581	3		K61-6 P81-D10	188 71				.19 .12	YES NO		92 49	
D 582	3		K62-7 P74-E30	189 84				.19 .12	YES NO		92 49	
D 583			DELETED									
D 584			DELETED									

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 136 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 585	3		K62-6 P81-D7	189 71				.19 .12	YES NO		92 49	
D 586	1		K63-7 P82-F25	190 88				.19 .12	YES NO		92 49	
D 587	1		K63-1 A2-48	190 174				.19 .31	YES YES		92	
D 588	3		K60-7 P82-F31	187 88				.19 .12	YES NO		92 49	
D 589	3		K59-7 P82-F30	186 88				.19 .12	YES NO		92 49	
D 590	2		K66-8 P80-E5	193 81				.19 .12	YES NO		 49	
D 591	3		K66-1 P80-E3	193 81				.19 .12	YES NO		92 49	
D 592	3		K66-6 P79-A18	193 65				.19 .12	YES NO		92 49	
D 593	3		P79-A22 P79-A23	65 65				.12 .12	NO NO		49 49	
D 594	3		P79-A20 P79-A21	65 65				.12 .12	NO NO		49 49	
D 595	3		P71-B31 TB3-9	64 144				.12 .19	NO NO		49 83	
D 596	3		P75-B6 P75-E10	72 86				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 137 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 597	3		P75-B12 P75-E14	72 86				.12 .12	NO NO		49 49	
D 598	3		P75-B10 P75-E12	72 86				.12 .12	NO NO		49 49	
D 599	3		P75-B14 P75-E16	72 86				.12 .12	NO NO		49 49	
D 600	3		P80-E1 P80-F2	81 83				.12 .12	NO NO		49 49	
D 601	3		P80-E2 P80-F3	81 83				.12 .12	NO NO		49 49	
D 602	3		P80-E4 P80-F5	81 83				.12 .12	NO NO		49 49	
D 603	3		P79-F31 P79-E32	80 79				.12 .12	NO NO		49 49	
D 604	3		P83-E1 P83-F2	90 92				.12 .12	NO NO		49 49	
D 605	3		P83-E2 P83-F3	90 92				.12 .12	NO NO		49 49	
D 606	3		P83-E3 P83-F4	90 92				.12 .12	NO NO		49 49	
D 607	3		P83-E4 P83-F5	90 92				.12 .12	NO NO		49 49	
D 608	3		P83-E5 P83-F6	90 92				.12 .12	NO NO		49 49	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 138 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /L

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 658	3		P1-D	35				.31	YES		72	
			~~P80-G31~~ P82-F23	~~69~~ 88				.12	NO		49	
D 659	3		P79-F30	80				.12	NO		49	
			P79-E31	79				.12	NO		49	
D 660			DELETED									
D 661	1		A2-48	174				.31	YES			
			K64-1	191				.19	YES		92	
D 662	3		A2-47	174				.31	YES			
			TB3-7	142				.19	NO		83	
D 663	3		R3-1	118				.31	YES			
			K60-2	187				.19	YES		92	
D 664	3		R3-2	118				.31	YES			
			K60-6	187				.19	YES		92	
D 665	3		P79-F21	80				.12	NO		49	
			P79-F22	80				.12	NO		49	
D 666	2		P75-E8	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 667	2		P75-E18	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 668	2		P75-E20	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 669	2		P75-E22	86				.12	NO		49	
			E26-B	32A				.38	NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /L	SHEET 143 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 670	2		P75-E24	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 671	2		P75-E26	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 672	2		P75-E28	86				.12	NO		49	
			E26-B	32A				.38	NO			
D 673	2		P76-E6	89				.12	NO			
			E26-B	32A				.38	NO			
D 674	2		P76-E8	89				.12	NO			
			E26-B	32A				.38	NO			
D 675	2		P76-E10	89				.12	NO			
			E26-B	32A				.38	NO			
D 676	2		P76-E12	89				.12	NO			
			E26-B	32A				.38	NO			
D 677	4		E26-BB	32A				.38	NO			
			TB3-~~8~~5	141				.19	NO		84	
D 678	9				3.30	3.00				A,6A	67, 69	
					2.80	2.50				B,7	69	
D 678A	2		SHLD D678					.25	NO			
			E20-B	24				.38	NO			
D 678L			P80-F9	83				.12	NO		49	
			T1-4	171				.31	YES		85	
D 678R			P80-F8					.12	NO		49	
			T1-3					.31	YES		85	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 144 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 679	9				3.30	3.00				A,6A	67, 69	
					2.80	2.50				B,7	69	
D 679A	2		SHLD D679					.25	NO			
			E20-B	24				.38	NO			
D 679L			P80-F11	83				.12	NO		49	
			T1-6	171				.31	YES			
D 679R			P80-F10	83				.12	NO		49	
			T1-5	171				.31	YES			
D 680	3		K61-7	188				.19	YES		92	
			P74-E29	84				.12	NO		49	
D 681	2		J11-2 ~~J26-55~~	4 ~~20~~				.22 ~~.15~~	NO		~~64~~ 55	
			P71-B5	64				.12	NO		~~49~~ 98	
D 682	3		A2-28	181				.31	YES			
			P74-E19	84				.12	NO		49	
D 683	3		K58-7	185				.19	YES		92	
			P71-B32	64				.12	NO		49	
D 684	3		K58-3	185				.19	YES		92	
			P82-F24	88				.12	NO		49	
D 685	1		K58-2	185				.19	YES		92	
			K59-2	186				.19	YES		92	
D 686	1		K58-6	185				.19	YES		92	
			K59-6	186				.19	YES		92	
D 687	9				2.30	2.00				B,7	69	
					2.30	2.00				A,6A	67, 69	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 145 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 687B	2		E25-B	51				.38	NO			
			SHLD D687					.25	NO			
D 687L			K59-8	186				.19	YES		92	
			P79-F25	80				.12	NO		49	
D 687R			K59-4	186				.19	YES		92	
			P79-F24	80				.12	NO		49	
D 688	1		K59-1	186				.19	YES		92	
			K60-1	187				.19	YES		92	
D 689	1		K59-5	186				.19	YES		92	
			K60-5	187				.19	YES		92	
D 690	6				2.80	2.50				A,6A	67 ~~66~~, 71	
					3.80	3.50				B,7	71	
D 690A	2		SHLD D690					.25	NO			
			E7-B	7				.38	NO			
D 690W			J14-38	10				.15	NO		64	
			P75-B15	72				.12	NO		49	
D 691	6				2.80	2.50				A,6A	67 ~~66~~, 71	
					3.80	3.50				B,7	71	
D 691A	2		SHLD D691					.25	NO			
			E7-B	7				.38	NO			
D 691W			J14-20	10				.15	NO		64	
			P75-B13	72				.12	NO		49	
D 692	3		P79-E26	79				.12	NO		49	
			TB6-~~3~~4	164				.19	NO		83	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 146 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 693	3		P75-F32 TB7-~~5~~ 3	87 ~~170~~ 169				.12 .19	NO NO		49 83	
D 694	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66~~ 67, 71 71	
D 694A	2		SHLD D694 E6-B	 1				.25 .38	NO NO			
D 694W			J12-25/I P75-B5	2 72				.22 .12	NO NO		50, 60, 58	
D 695	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66~~ 67, 71 71	
D 695A	2		SHLD D695 E6-B	 1				.25 .38	NO NO			
D 695W			J12-25/O P75-B16	2 72				.23 .12	NO NO		53, 54	
D 696	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66~~ 67, 71 71	
D 696A	2		SHLD D696 E6-B	 1				.25 .38	NO NO			
D 696W			J12-26/I P75-B9	2 72				.22 .12	NO NO		50, 60, 58	
D 697	5				3.30 3.80	3.00 3.50				A,6A B,7	~~66~~ 67, 71 71	
D 697A	2		SHLD D697 E6-B	 1				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 147 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 697W			J12-26/O P75-B11	2 72				.23 .12	NO NO		53, 54	
D 698	9				3.80 3.80	3.50 3.50				B,7 A,6A	69 67, 69	
D 698B	2		E25-B SHLD D698	51				.38 .25	NO NO			
D 698L			P74-A31 XF2-2	70 94				.12 .31	NO YES		49	
D 698R			P74-A25 XF1-2	70 93				.12 .31	NO YES		49	
D 699	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 699A	2		SHLD D699 E9-B	 6				.25 .38	NO NO			
D 699W			J16-82 XF17-2	8 106				.15 .31	NO YES		63	
D 700	5				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 700A	1		SHLD D700 E10-B	 16				.25 .38	NO NO			
D 700W			J19-50/I XF17-2	12 106				.22 .31	NO YES		50, 60, 58	
D 701	6				3.30 3.30	3.00 3.00				B,7 A,6A	71 ~~66~~ 67, 71	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 148 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 701B	2		E25-B SHLD D701	51				.38 .25	NO NO			
D 701W			K58-5 XF17-1	185 106				.19 .31	YES YES		92	
D 702	2		J26-7 XF21-2	20 110				.15 .31	NO YES		64	
D 703	2		J26-8 XF20-2	20 109				.15 .31	NO YES		64	
D 704	3		J65-S* XF21-1	61 110				.22 .31	NO YES		61	
D 705	3		J65-R* XF20-1	61 109				.22 .31	NO YES		61	
D 706	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 706A	2		SHLD D706 E14-B	 34				.25 .38	NO NO			
D 706W			J26-73 XF19-2	20 108				.15 .31	NO YES		64	
D 707	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 707A	2		SHLD D707 TB4-~~3~~ 4	 ~~152~~ 153				.25 .19	NO NO		 83	
D 707W			J65-V XF19-1	61 108				.22 .31	NO YES		61	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 149 OF ~~157~~ 160

MIL 2074 3-63 WIR

WIRING HARNESS D 2900719 K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 708	2		J65-AA XF22-1	61 111				.22 .31	NO YES		61	
D 709	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 709A	2		SHLD D709 E13-B	 25				.25 .38	NO NO			
D 709W			J26-34 XF18-2	20 107				.15 .31	NO YES		64	
D 710	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 710A	2		SHLD D710 E24-B	 59				.25 .38	NO NO			
D 710W			J65-A* XF18-1	61 107				.22 .31	NO YES		61	
D 711	6				3.30 3.30	3.00 3.00				A,6A B,7	~~66~~ 67, 71 71	
D 711A	2		SHLD D711 E13-B	 25				.25 .38	NO NO			
D 711W			J26-31 XF11-2	20 101				.15 .31	NO YES		64	
D 712	6				3.80 3.80	3.50 3.50				A,6A B,7	~~66~~ 67, 71 71	
D 712A	2		SHLD D712 E24-B	 59				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR K	SHEET 150 OF ~~157~~ 160

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 712W			J65-N XF11-1	61 101				.22 .31	NO YES		61	
D 713	3		XF26-2 TB1-3	115 138				.31 .19	YES NO		 83	
D 714	2		J26-29 A2-1	20 173				.15 .31	NO YES		64	
D 715	3		J65-D A2-4	61 178				.22 .31	NO YES		61	
D 716	2		J26-1 A2-49	20 176				.15 .31	NO YES		64	
D 717	3		J56-C* A2-50	41 175				.22 .31	NO YES		61	
D 718	2		J26-3 A2-53	20 176				.15 .31	NO YES		64	
D 719	3		J56-E* A2-54	41 176				.22 .31	NO YES		61	
D 720	2		J26-5 A2-57	20 177				.15 .31	NO YES		64	
D 721	3		J56-G* A2-58	41 177				.22 .31	NO YES		61	
D 722	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 722A	2		SHLD D722 E34-B	 27				.25 .38	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 722L			J24-J J52-X*	23 37				.22 .22	NO NO		62 61	
D 722R			J24-H J52-W*	23 37				.22 .22	NO NO		62 61	
D 723	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 723A	2		SHLD D723 E34-B	 27				.25 .38	NO NO			
D 723L			J24-M J52-V*	23 37				.22 .22	NO NO		62 61	
D 723R			J24-K J52-U*	23 37				.22 .22	NO NO		62 61	
D 724	9				3.30 3.30	3.00 3.00				A,6A B,7	67, 69 69	
D 724A	2		SHLD D724 E14-B	 34				.25 .38	NO NO			
D 724L			J28-K J56-M	29 41				.22 .22	NO NO		62 61	
D 724R			J28-J J56-L	29 41				.22 .22	NO NO		62 61	
D 725	3		J53-E* E33-B	36 50				.22 .38	NO NO		61	
D 726	3		J24-F E34-B	23 27				.22 .38	NO NO		62	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 727	3		J28-L E14-B	29 34				.22 .38	NO NO		62	
D 728	3		J24-E* E31-BB	23 21				.22 .38	NO NO		62	
D 729	3		J24-D* E32-BB	23 22				.22 .38	NO NO		62	
D 730	96		E31-B TB7-5	21 170				.38 .19	NO NO		 95	
D 731	3		J61-A E33-B	56 50				.22 .38	NO NO		61	
D 732	8				3.30 3.30	3.00 3.00				A,6A B,7	67, 70 70	
D 732A	2		SHLD D732 E34-B	 27				.25 .38	NO			
D 732L			J26-52 J61-B*	20 56				.15 .22			64 61	
D 732R			J26-51 J61-A*	20 56				.15 .22			64 61	
D 733	8				3.30 3.30	3.00 3.00				A,6A B,7	67, 70 67, 70	
D 733A	2		SHLD D733 E34-B	 27				.25 .38	NO NO			
D 733L			J26-54 J52-B*	20 37				.15 .22	NO NO		64 61	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 733R			J26-53 J52-A*	20 37				.15 .22	NO NO		64 61	
D 734	96		E32-B TB6-~~5~~ 6	22 165				.38 .19	NO NO		 95	
D 735	3		A2-46 TB~~2-15~~ 3-5	172 ~~130~~ 141				.31 .19	YES NO		 83	
D 736	4		E33-BB TB4-~~5~~ 6	50 ~~154~~ 155				.38 .19	NO NO		 84	
D 737	4		E34-BB TB4-6	27 155				.38 .19	NO NO		 84	
D 738	8				3.80 3.80	3.50 3.50				A,6B A,6B	67, 70 67, 70	
D 738A	2		SHLD D738 J15-24	 9				.25 .15	NO NO		 64	
D 738B	2		J16-53 SHLD D738	8				.15 .25	NO NO		63	
D 738L			J15-20 J16-52	9 8				.15 .15	NO NO		64 63	
D 738R			J15-21 J16-51	9 8				.15 .15	NO NO		64 63	
D 739	2		J15-37 TB2-13	9 129				.15 .19	NO NO		64 83	
D 740	2		J15-38 TB2-23	9 135				.15 .19	NO NO		64 83	

WIRING HARNESS D 2900719 /K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 741	3		J29-L	28				.22	NO		61	
			P80-C~~3~~ 4	69				.12	NO		49	
D 742	2		J12-22	2				.22	NO		55	
			P7C-E20	74				.12	NO		49	
D 743	1		K61-1	188				.19	YES			
			K61-3	188				.19	YES		92	
D 744	1		K62-1	189				.19	YES			
			K62-3	189				.19	YES		92	
D 745	3		J60-S*	44				.22	NO		61	
			P78-F32	78				.12	NO		49	
D 746	1		K63-2	190				.19	YES		92	
			K63-3	190				.19	YES			
D 747	1		K64-2	191				.19	YES		92	
			K64-3	191				.19	YES			
D 748	1		K63-5	190				.19	YES		92	
			K64-5	191				.19	YES		92	
C 749	1		K63-5	190				.19	YES			
			P81-D15	71				.12	NO		49	
D 750	1		J66-M*	60				.22	NO		62	
			P81-D16	71				.12	NO		49	
D 751	4		J11-54	4				.22	No		59	
			TB7-7	168				.19	No		84	

CODE IDENT NO.	SIZE	
99974	A	2900719
SCALE-NONE	REV LTR /K	SHEET 155 OF ~~157~~ 160

WIRING HARNESS ~~A~~ D ~~2900599~~ ~~5~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 752	3		P75-E30	86				.12	NO		49	
~~D 752~~			TB3-7	142				.19	NO		83	
D 753	2		A2-15	180C				.31	YES			
~~D 753~~			P76-F23	91				.12	NO		49	
D 754	2		A2-17	180D				.31	YES			
~~D 754~~			P76-F31	91				.12	NO		49	
D 755	2		A2-19	180E				.31	YES			
~~D 755~~			P76-F32	91				.12	NO		49	
D 756	2		A2-21	180F				.31	YES			
~~D 756~~			P73-F9	82				.12	NO		49	
D 757	2		A2-23	180G				.31	YES			
~~D 757~~			P73-F10	82				.12	NO		49	
D 758	2		A2-24	180H				.31	YES			
~~D 758~~			P75-F15	87				.12	NO		49	
D 759	2		P75-E29	86				.12	NO		49	
~~D 759~~			P75-F16	87				.12	NO		49	
D 760	2		XF26-1	115				.31	YES			
~~D 760~~			P79-A29	65				.12	NO		49	
D 761	12				4.80	4.50				A,6A	67, 70	
~~D 761~~					4.80	4.50				B,7	70	
D 761A	2		SHLD D761					.25	NO			
~~D 761A~~			E17-B	33				.38	NO			
D 761L			P76-E26	89				.12	NO		49	
~~D 761L~~			P74-F20	85				.12	NO		49	

CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900745~~
SCALE-NONE	REV LTR ~~5~~ K	SHEET 156 OF ~~17~~ 160

WIRING HARNESS ~~A~~ D ~~2900599~~ ~~5~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 761R			P76-E25	89				.12	NO		49	
~~D 7 R~~			P74-F19	85				.12	NO		49	
D 761Y			P76-E27	89				.12	NO		49	
~~D 7 Y~~			P74-F21	85				.12	NO		49	
D 762	8				4.80	4.50				A,6A	67, 70	
~~D 762~~					4.80	4.50				B,7	~~79~~ 70	
D 762A	2		SHLD D762					.25	NO			
~~D 762A~~			E17-B					.38	NO			
D 762L			P76-E29	89				.12	NO		49	
~~D 762L~~			P81-D18	71				.12	NO		49	
D 762R			P76-E28	89							49	
~~D 762R~~			P81-D17	71							49	
D 763	8				4.80	4.50				A,6A	67, 70	
~~D 763~~					4.80	4.50				B,7	70	
D 763A	2		SHLD D763					.25	NO			
~~D 763A~~			E17-B	33				.38	NO			
D 763L			P76-E31	89				.12	NO		49	
~~D 763L~~			P81-D20	71				.12	NO		49	
D 763R			P76-E30	89				.12	NO		49	
~~D 763R~~			P81-D19	71				.12	NO		49	
D 764	8				4.80	4.50				B,7	70	
~~D 764~~					4.80	4.50				A,6A	67,70	
D 764B	2		E17-B	33				.38	NO			
~~D 764B~~			SHLD D764					.25	NO			

CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900745~~
SCALE-NONE	REV LTR ~~5~~ K	SHEET 157 OF ~~11~~ 160

~~WIRE LIST AA~~ ~~2900118~~ ~~5~~ K

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
D 764L		0	P74-F23	85				.12	NO		49	
~~D 764L~~			P75-E32	86				.12	NO		49	
D 764R			P74-F22	85				.12	NO		49	
~~D 764R~~			P75-E31	86				.12	NO		49	
D 765	2		TB2-21					.19	NO		83	
~~D 765~~			P71-B5	64				.12	NO			
D 766	2		J10-50	5				.15	NO		63	
~~D 766~~			J11-55	4				.22	NO		55	
D 767	4		J11-26	4				.22	NO		59	
~~D 767~~			R2-1	117				.31	YES			
D 768	4		J11-28	4				.22	NO		59	
~~D 768~~			R2-1	117				.31	YES			
D 769	4		J17-L	14				.18	NO		73	
~~D 769~~			P75-D19	73				.22	NO		98	
D 770	4		J17-M	14				.18	NO		73	
~~D 770~~			P75-F19	87				.22	NO		98	

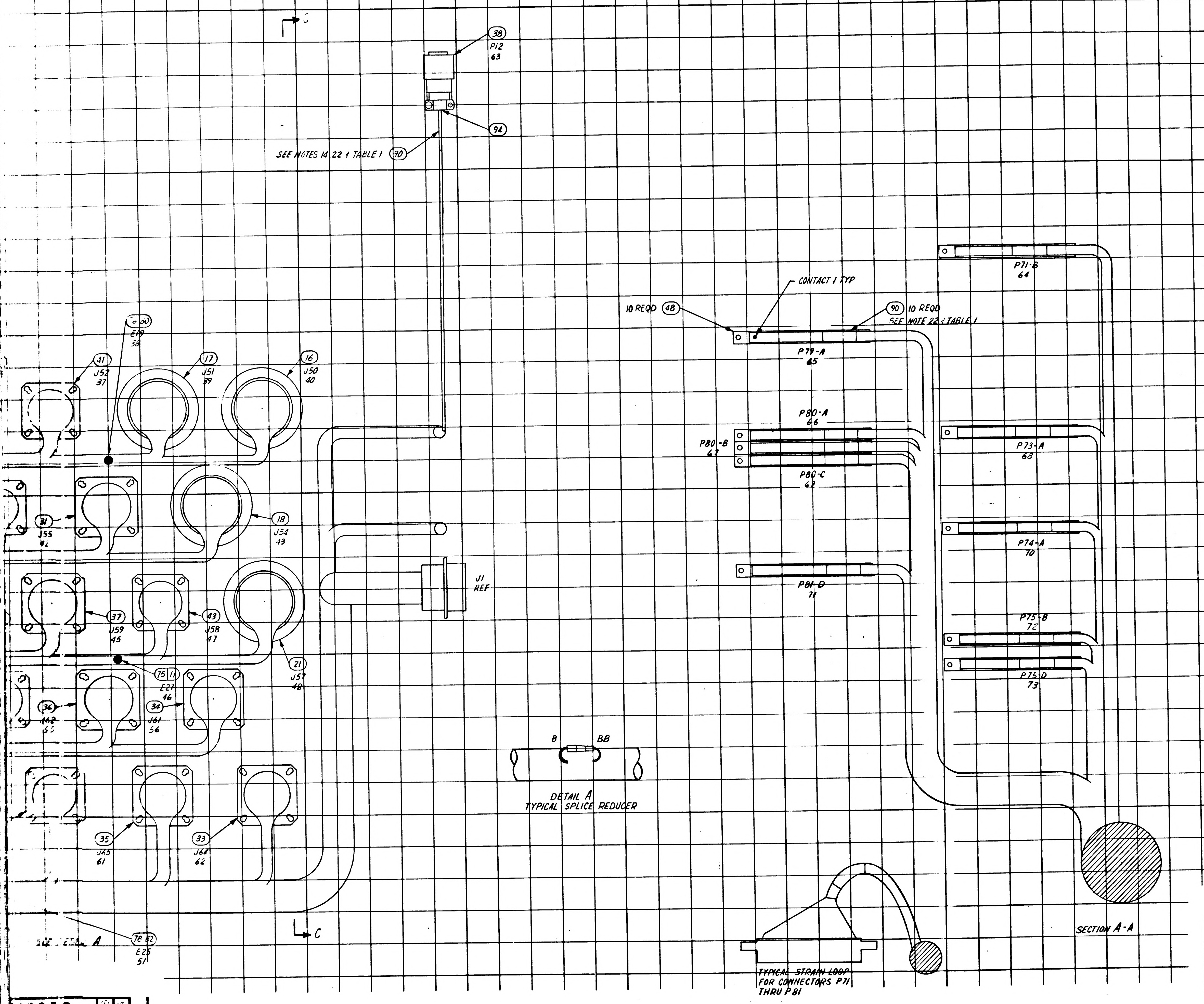
CODE IDENT NO.	SIZE	
99974	A	2900719 ~~2900107~~
SCALE-NONE	REV LTR ~~5~~ K	SHEET 158 OF 160 ~~6~~

REVISIONS DRR 23557

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

(M)

SEE SHEET I FOR REVISION RECORD


C
38
P12
63
94
SEE NOTES 14, 22 & TABLE I 90
CONTACT I TYP
10 REQD 48
90 10 REQD
SEE NOTE 22 & TABLE I
P79-A
65
P80-A
66
P80-B
67
P80-C
62
P81-D
71
J1
REF
P71-B
64
P73-A
68
P74-A
70
P75-B
72
P75-D
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E19
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J52
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75 17
E27
46
36
J62
65
34
J61
56
35
J65
61
33
J64
62
78 82
E25
51
SEE DETAIL A
C
B
BB
DETAIL A
TYPICAL SPLICE REDUCER
TYPICAL STRAIN LOOP
FOR CONNECTORS P71
THRU P81
SECTION A-A

TABLE II

CRIMP AND INSTALL SPARE PINS ITEM (49)

CONNECTOR	PINS
~~P 76-E~~	~~30, 31 & 32~~
P 77-E	1, 2, 3, 4, 17, 18, 19 & 20
P 77-F	1, 2, 3, 4, 17, 18, 19 & 20
P 78-E	1, 2 & 3
P 78-F	1, 2 & 3
P 80-E	29, 30, 31 & 32
P 80-F	29, 30, 31 & 32
P 82-F	1, 2, 3 & 4
P 83-E	29, 30, 31 & 32
P 83-F	29, 30, 31 & 32

TABLE I

MARKING FOR IDENTIFICATION BANDS

P1/JA	P76-E/J76-E	P81-D/J81-D
P12/A1J4	P76-F/J76-F	P82-F/J82-F
~~P70-E/J70-E~~	~~P77-E/J77-E~~	~~P83-E/J83-E~~
P71-B/J71-B	P77-F/J77-F	P83-F/J83-F
P73-A/J73-A	P78-E/J78-E	P78-F/J78-F
P73-F/J73-F	P79-A/J79-A	
P74-A/J74-A	P79-E/J79-E	
~~P74-E/J74-E~~	~~P79-F/J79-F~~	
P74-F/J74-F	P80-A/J80-A	
P75-B/J75-B	P80-B/J80-B	
P75-D/J75-D	P80-C/J80-C	
P75-E/J75-E	P80-E/J80-E	
P75-F/J75-F	P80-F/J80-F	

K

2900719

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN J. Klinger DATE 8-23-65
CHECKED C. WILSON 3 SEP 65
APPROVAL 3 SEP 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL

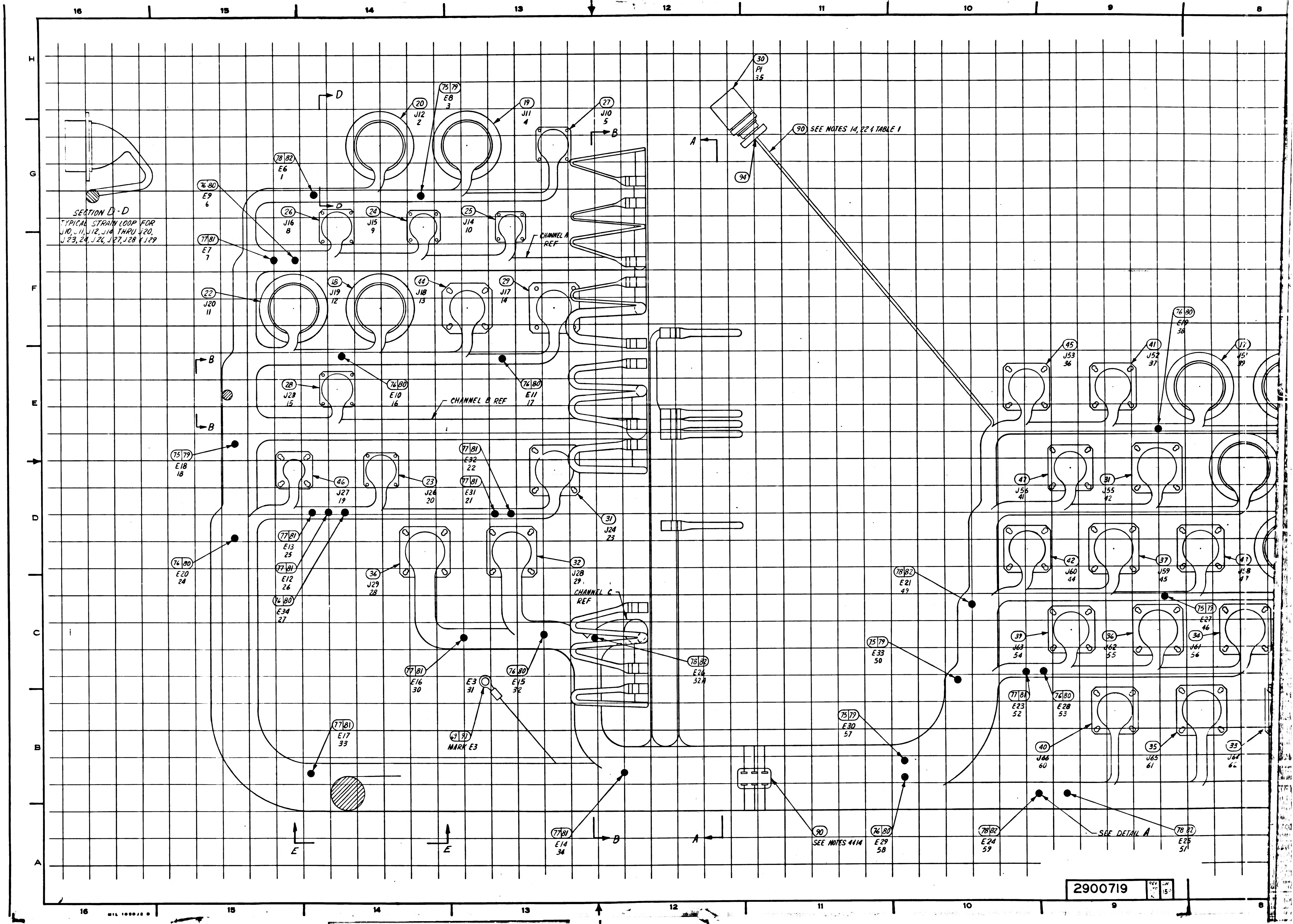
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS D

CODE IDENT NO 99974
SIZE J2
2900719
SCALE FULL
SHEET 159 OF 160

2900719

2/2900719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F
E
D
C
B
A
D
D
SECTION D-D
TYPICAL STRAIN LOOP FOR
J10, J11, J12, J14 THRU J20,
J23, 24, J26, J27, J28 & J29
20
J12
2
75 79
E8
3
19
J11
4
27
J10
5
B
78 82
E6
1
76 80
E9
6
26
J16
8
24
J15
9
25
J14
10
CHANNEL A REF
77 81
E7
7
22
J20
11
18
J19
12
44
J18
13
29
J17
14
B
28
J23
15
76 80
E10
16
76 80
E11
17
CHANNEL B REF
B
75 79
E18
18
46
J27
19
23
J26
20
77 81
E32
22
77 81
E31
21
31
J24
23
76 80
E20
24
77 81
E13
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77 81
E12
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76 80
E34
27
36
J29
28
32
J28
29
CHANNEL C REF
77 81
E16
30
E3
31
76 80
E15
32
78 82
E26
32A
69 71
MARK E3
77 81
E17
33
77 81
E14
34
E
E
B
A
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P1
35
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SEE NOTES 14, 22 & TABLE 1
A
94
76 80
E19
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J56
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78 82
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E27
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E23
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76 80
E28
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75 79
E30
57
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J66
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35
J65
61
33
J64
62
90
SEE NOTES 4 & 14
76 80
E29
58
78 82
E24
59
SEE DETAIL A
78 82
E25
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2900719
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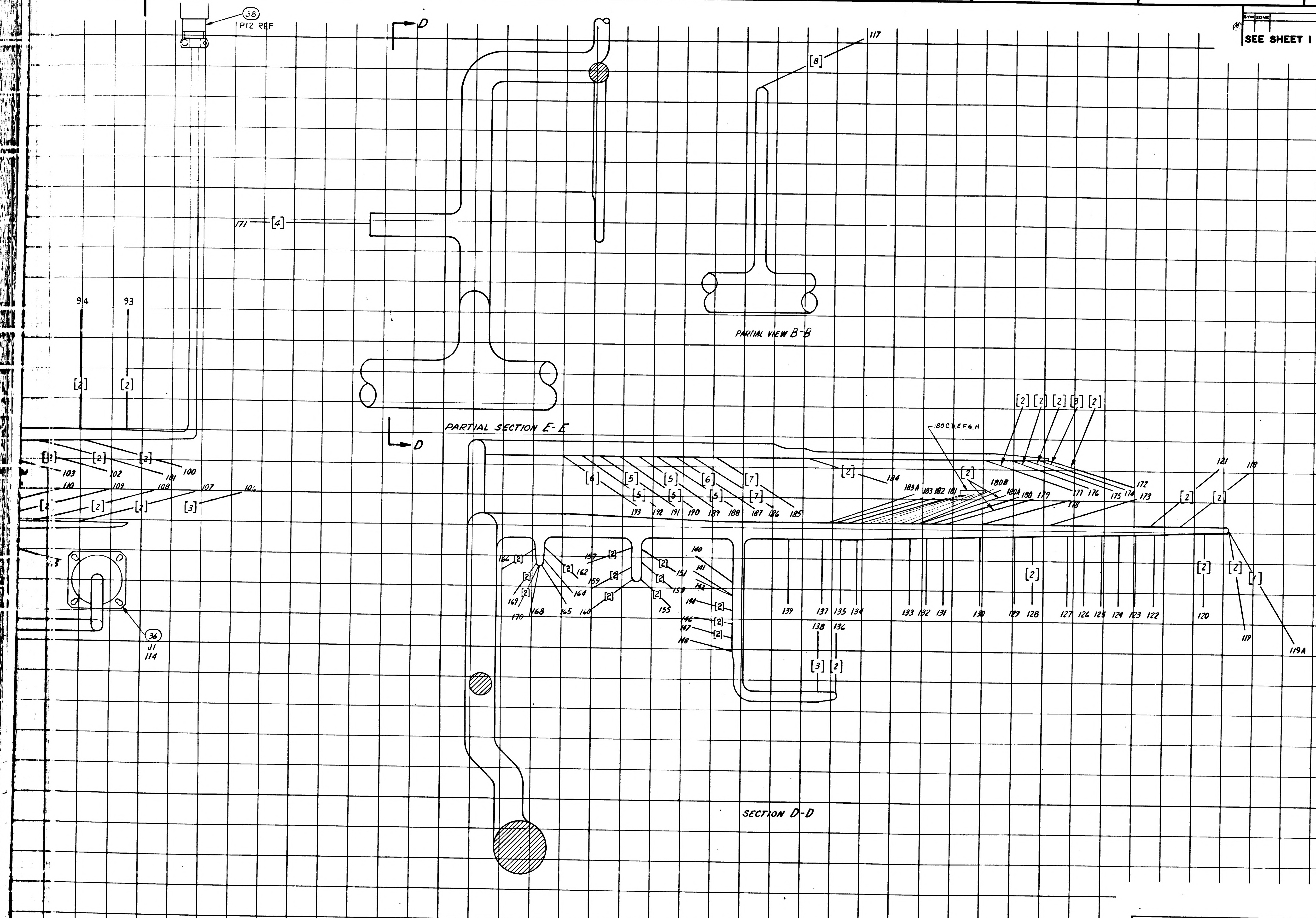
MIL 1000 B

1/2900719

REVISIONS TDRR 23557

SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



38
P12 REF
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PARTIAL VIEW B-B
94
93
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PARTIAL SECTION E-E
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180B
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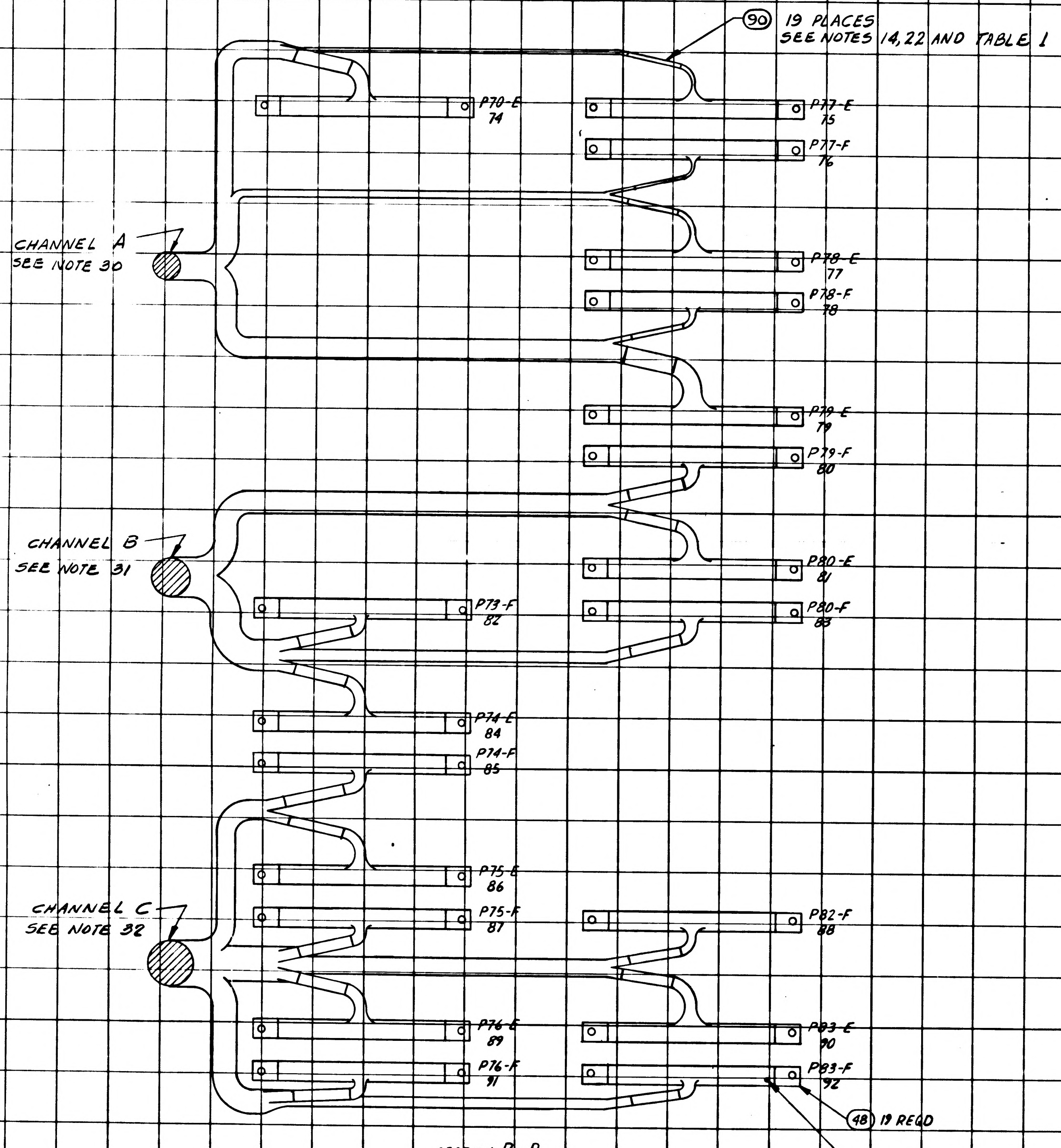
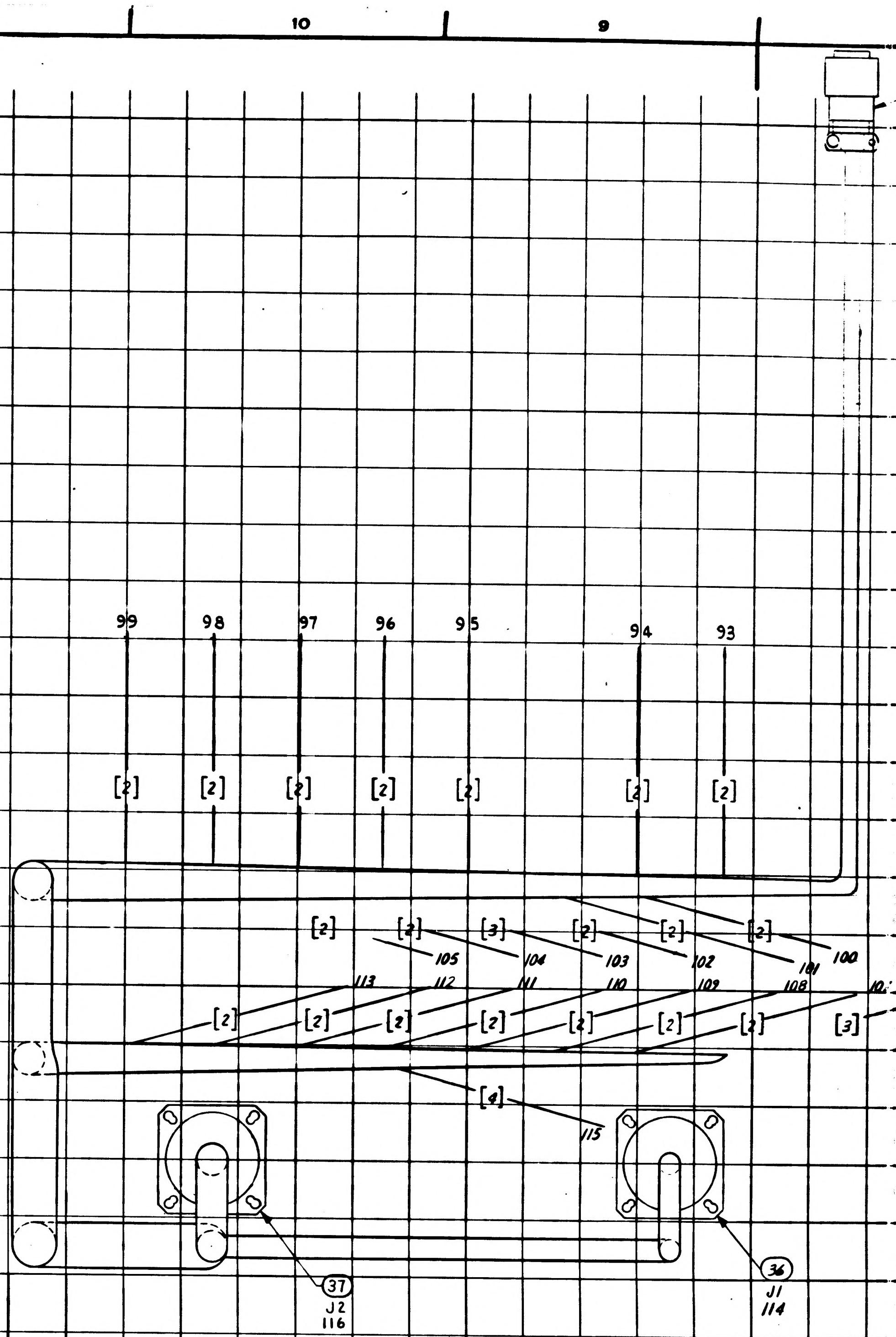
119A
SECTION D-D

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ___ ± ___ ± ___	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN DATE 2 SEP 65	WIRING HARNESS D
	CHECKED C WILSON 3 SEP 65	
	APPROVAL 3 SEP 65	
DO NOT SCALE THIS DRAWING	APPROVAL 10-22-65	
MATERIAL ___	NASA APPROVAL	CODE IDENT NO. 99974 | SIZE J2 | 2900719
CONTRACT NAS 9-497	MIT APPROVAL	SCALE FULL | SHEET 160 OF 165


90
19 PLACES
SEE NOTES 14,22 AND TABLE 1
P70-E
74
P77-E
75
P77-F
76
CHANNEL A
SEE NOTE 30
P78-E
77
P78-F
78
P79-E
79
P79-F
80
CHANNEL B
SEE NOTE 31
P80-E
81
P73-F
82
P80-F
83
P74-E
84
P74-F
85
P75-E
86
P75-F
87
CHANNEL C
SEE NOTE 32
P82-F
88
P76-E
89
P83-E
90
P76-F
91
P83-F
92
48
19 REQD
PIN 1 TYP

SECTION B-B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J2
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J1
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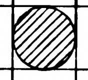


SECTION C-C

2900719

1/2900719

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWINGS.
4. APPLY ITEM (20) BETWEEN ITEM (4) AND ITEM (1) FOR ENTIRE LENGTH EXCEPT 1 IN. FROM ADAPTERS.
5. ASSEMBLE ITEM (3) OVER WIRES AND ROUTE THRU CHANNEL IN ITEM ( ).
6. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (17) AND (18), OR ITEM (19).
7. WIRE PER ND 1002032.
8. APPLY ITEM (21) TO THE THREADS OF ITEM (11).

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	C	REPLACES REV (B) WITH CHANGE PER MXC 206471		3 NOV 65	
	D	REVISED BY MXC 207000		1 DEC 65	
	E	REVISED PER MXC 207279		DEC 65	
	F	INITIAL RELEASE CLASS A PER TDRR 25566		13 DEC 65	DLF

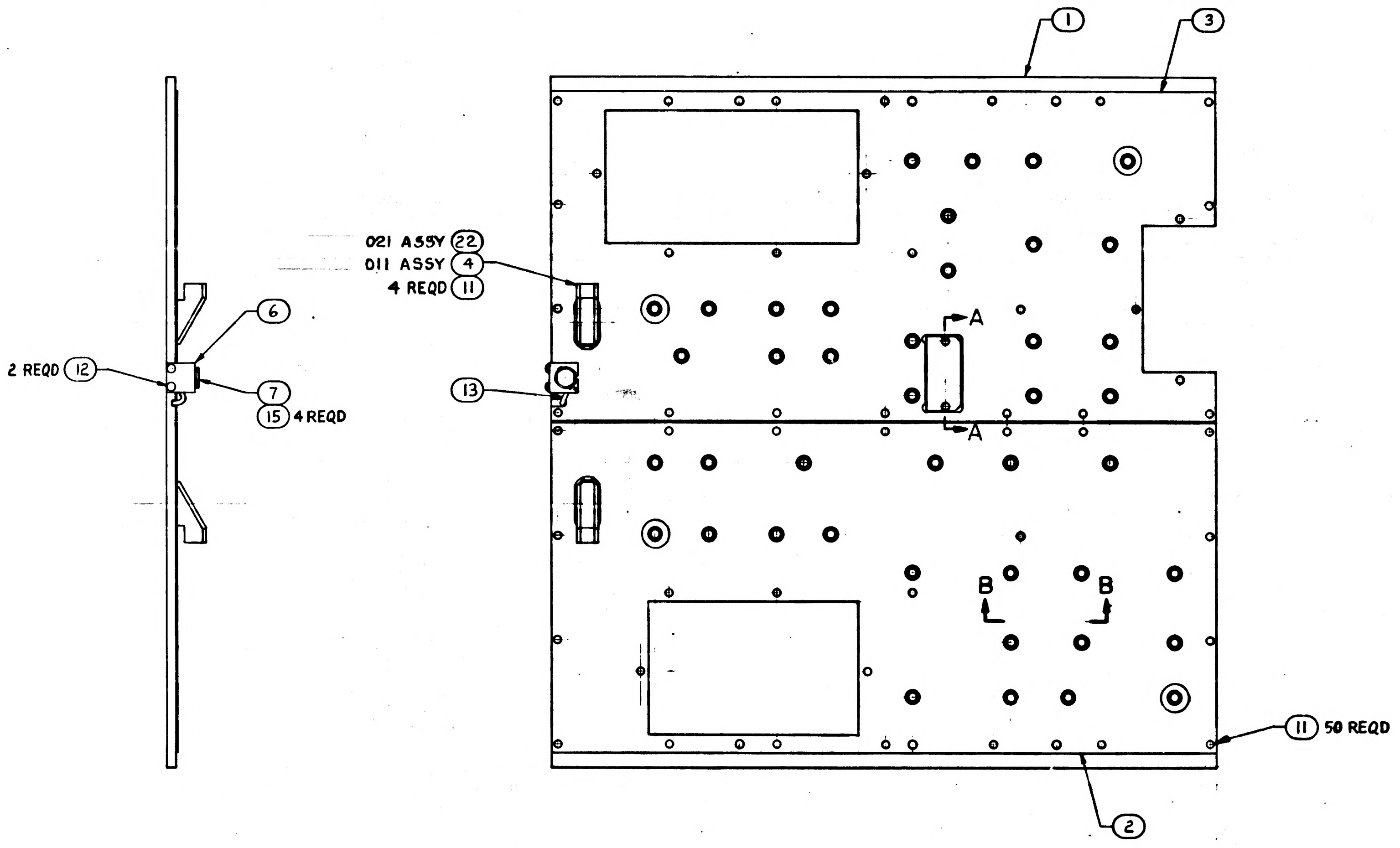
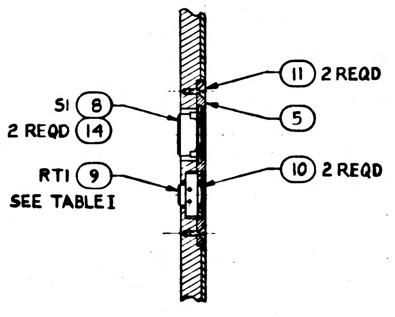


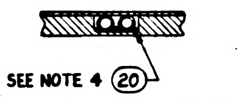
TABLE I

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	17.00	RT1	J1-H	.20	YES
GREEN	17.00	RT1	J1-J	.20	YES



PARTIAL SECTION A-A

SCALE: FULL



PARTIAL SECTION B-B

SCALE: FULL

			QUANTITY REQUIRED 021	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1			22	2900945	COIL, COOLING
SEE NOTE 8			AR	AR		21	MIL-S-22473	THREAD SEALING COMPOUND (GRADE-E
SEE NOTE 3			AR	AR		20	1006879	SILICONE COMP-THERMOCONDUCTIVE
			AR	AR		19	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR	AR		18	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR	AR		17	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
			1	1		16	2900730	LEAD SET AA
SEE NOTE 3			4	4		15	1015864-083	INSULATION, SLEEVING ELEC
			2	2		14	1015865-416	INSULATION, SLEEVING, ELEC
			1	1		13	1015865-996	INSULATION, SLEEVING, ELEC 14 IN. LG
			2	2		12	1010618-15	SCREW, BUTTON HD
			56	56		11	AN507C632R4 (1897003-032)	SCREW, FH 100°
			2	2		10	1897269-004	WASHER, SPRING TENSION
			1	1		9	1897284	RESISTOR, THERMAL-BUTTON
			1	1		8	1897270-003	SWITCH, THERMOSTATIC
SEE NOTE 3			1	1		7	1897278-003	CONNECTOR, RECP, ELEC
			1	1		6	2900361	BRACKET, CONNECTOR
			1	1		5	2900359	COVER
				1		4	2900875	COIL, COOLING
			1	1		3	2900874	COVER HALF, HOLDER, COOLING COIL
			1	1		2	2900873	COVER HALF, HOLDER, COOLING COIL
			1	1		1	2900872	HOLDER, COOLING COIL

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900677-011	2900667-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS9-479

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN R. LA DUE DATE 27 JUL 65
CHECKED D.L. FOX 13 AUG 65
APPROVAL 13 AUG 65
APPROVAL 1-21-66
NASA APPROVAL A. C. METZLER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COLDPLATE ASSEMBLY
PSA

CODE IDENT NO. 99974
SIZE E
2900725
SCALE 1/2
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM- SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4. APPLY ITEM (20) BETWEEN ITEM (4) AND ITEM (1) FOR ENTIRE LENGTH EXCEPT 1 IN. FROM ADAPTERS.
5. ASSEMBLE ITEM (13) OVER WIRES AND ROUTE THRU CHANNEL IN ITEM (1).
6. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (17) AND (18), OR ITEM (19).
7. WIRE PER ND 1002032.
8. APPLY ITEM (21) TO THE THREADS OF ITEM (11).

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	C	REPLACES REV (B) WITH CHANGE PER MXC 206471		3 NOV 65	
	D	REVISED BY MXC 207000		1 DEC 65	
	E	REVISED PER MXC 207279		DEC 65	
	F	INITIAL RELEASE CLASS A PER TDRR 25566		13 DEC 65	DLF
	G	REVISED PER TDRR 25710		8 FEB 66	

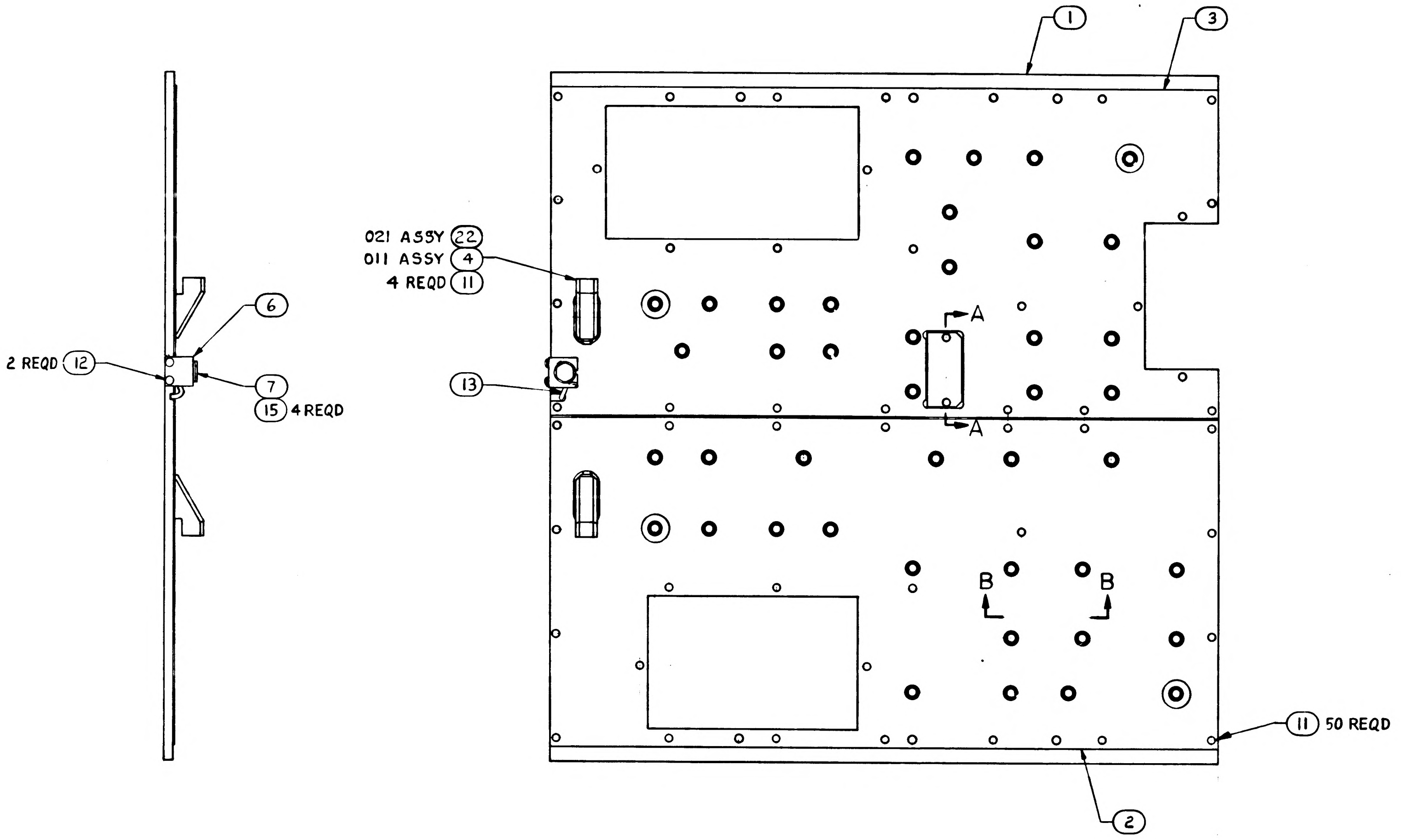
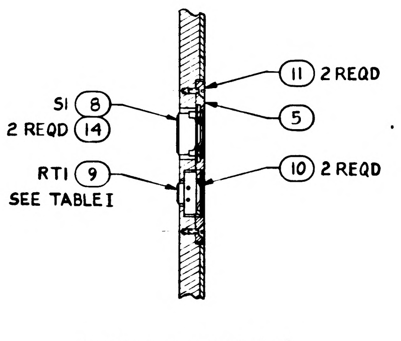


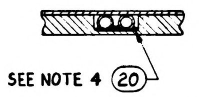
TABLE I

LEAD IDENT	LEAD CUT LG	FROM	TO		
			CKT PT	STRIP	TIN
YELLOW	15.50	RT1	J1-H	.20	YES
GREEN	15.50	RT1	J1-J	.20	YES



PARTIAL SECTION A-A

SCALE: FULL



PARTIAL SECTION B-B

SCALE: FULL

			QUANTITY REQUIRED 021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1			22	2900945	COIL, COOLING
SEE NOTE 8			AR	AR		21	MIL-S-22473	THREAD SEALING COMPOUND (GRADE E)
SEE NOTE 3			AR	AR		20	1006879	SILICONE COMP-THERMOCONDUCTIVE
			AR	AR		19	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR	AR		18	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR	AR		17	SN60WS	SOLDER QQ-S-571 (ES2175-1)
			1	1		16	2900730	LEAD SET AA
SEE NOTE 3			4	4		15	1015864-083	INSULATION, SLEEVING ELEC
			2	2		14	1015865-416	INSULATION, SLEEVING, ELEC
			1	1		13	1015865-996	INSULATION, SLEEVING, ELEC 14 IN. LG
			2	2		12	1010618-15	SCREW, BUTTON HD
			56	56		11	AN507C632R4 (1897003-032)	SCREW FH 100°
			2	2		10	1897269-004	WASHER, SPRING TENSION
			1	1		9	1897284	RESISTOR, THERMAL-BUTTON
			1	1		8	1897270-003	SWITCH, THERMOSTATIC
SEE NOTE 3			1	1		7	1897278-003	CONNECTOR, RECP, ELEC
			1	1		6	2900361	BRACKET, CONNECTOR
			1	1		5	2901030	COVER
				1		4	2900875	COIL, COOLING
			1	1		3	2900874	COVER HALF, HOLDER, COOLING COIL
			1	1		2	2900873	COVER HALF, HOLDER, COOLING COIL
			1	1		1	2900872	HOLDER, COOLING COIL

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900067-011	2900677-011	
2300677-011	2900667-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-479

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R. LA DUE DATE 27 Jul.
CHECKED D.L. FOX 13 AUG 65
APPROVAL 13 AUG 65
APPROVAL 1-21-66
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

COLDPLATE ASSEMBLY
PSA

CODE IDENT NO 99974
SIZE E
2900725
SCALE 1/2
SHEET 1 OF 1

Charleston 28 OCT 65

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900824-011	2900024-011	B	REPLACES REV(A) WITH CHANGE PER MXC 205053	24 SEP 65	RLP EF
		C	REVISED PER MXC 205444	9 OCT 65	JWP
		D	REVISED PER MXC205726	16 OCT 65	R.N.T. CP
		E	REVISED PER MXC 309806	19 OCT 65	JWP CP
		F	REVISED PER MXC 206120	19 OCT 65	JW CP
		G	INITIAL RELEASE CLASS A PER TDRR 23557	20 OCT 65	RTP CW

	REV	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
	SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	4
REV STATUS	REV					G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
OF SHEETS	SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN E. Miller DATE 15 SEP 65
CHECKED A. Ulrich 15 SEP 65
APPROVAL 15 SEP 65
APPROVAL 10.22.65
NASA APPROVAL
MIT APPROVAL

WIRING HARNESS E

CODE IDENT NO.	SIZE		REV
99974	A	2900731	G

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 80

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	G												
47	G												
48	G												
49	G												
50	G												
51	G												
52	G												
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67	G												
68	G												
69	G												
70	G												
71	G												
72	G												
73	G												
74	G												
75	G												
76	G												
77	G												
78	G												
79	G												
80	G												

	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
		G	2900731 SHEET 2 OF 80

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
5	LOCATE ITEMS 9, 10 AND 11 ADJACENT TO ITEM 7.
6	LACE HARNESS USING ITEM 20.
7	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 21 OR ITEMS 22 AND 23.
8	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 20.
9	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE Y - WHITE WITH YELLOW TRACER.
10	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
11	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019.
12	APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND1002019.

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR ~~E~~ ~~F~~ G | SHEET 3 OF 80

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
14	MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.
15	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

16 ASSEMBLE PER ND1002032.

17 LEAD INSULATION SHALL NOT BE CRIMPED IN ITEM 24 WHENEVER ITEM 5 IS SPECIFIED. MAXIMUM EXPOSED WIRE SHALL NOT EXCEED .062 INCH.

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR ~~E~~ ~~D~~ ~~F~~ G | SHEET 4 OF 80

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900731-001	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT
	2	1	2900731-002	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT
	3	1	2900731-003	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED)
	4	1	2900731-004	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED)
	5	1	2900731-005	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 16AWG (WHT-BLUE, WHT-RED, WHT-YEL)
10	6	42	1010763- 1	SOLDER SLEEVE
10	7	~~191~~ 188	1010763- ~~3~~ 2	SOLDER SLEEVE
10	8	~~42~~ 50	1010490-232	INSULATION SLEEVING, ELEC HT SHRINK
10	9	~~236~~ 240	1010490-228	INSULATION SLEEVING, ELEC HT SHRINK
10	10	12	1010490-226	INSULATION SLEEVING, ELEC HT SHRINK
10	11	6	1010490-222	INSULATION SLEEVING, ELEC HT SHRINK
10	12	~~437~~ 482	1015864-227	INSULATION SLEEVING
10	13	~~554~~ 507	1897266- 1	CONTACT RECEPTACLE
10	14	~~2~~ 1	1016006-002	SPLICE REDUCER
10	15	~~1~~ 3	1016006-003	SPLICE REDUCER
10	16	~~2~~ 1	1010490-258	INSULATION SLEEVING, ELEC HT SHRINK
10	17	~~1~~ 3	1010490-256	INSULATION SLEEVING, ELEC HT SHRINK

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR ~~C~~ ~~D~~ ~~F~~ G | SHEET 5 OF 80

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
10	18	22	1897267-001	CONNECTOR, RECP
10	19	23	1016128-011	BAND IDENTIFICATION-BLANK
	20	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED (ES2732) ~~NO. 101~~
	21	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	22	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	9	1897266-004	CONTACT, RECEPTACLE
	25	7	1010763-3	SOLDER SLEEVE
	26	1	2900731-006	WIRE ND1002181, TYPE I, CLASS 4, WHT JKT, 22 AWG, WHT

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR ~~E~~ ~~D~~ ~~F~~ G | SHEET 6 OF 80

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 1	2		K10-1 P74-C28	4 102				.31 .12	YES NO		12 13	
E 2	2		K10-2 P79-D22	4 88				.31 .12	YES NO		12 13	
E 3	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 3L			K10-7 P70-A4	4 95				.31 .12	YES NO		12 13	
E 3R			K10-10 P70-A3	4 95				.31 .12	YES NO		12 13	
E 4	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 4L			K10-6 P70-A9	4 95				.31 .12	YES NO		12 13	
E 4R			K10-9 P70-A8	4 95				.31 .12	YES NO		12 13	
E 5	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 5L			K10-13 P70-A6	4 95				.31 .12	YES NO		12 13	
E 5R			K10-16 P70-A5	4 95				.31 .12	YES NO		12 13	
E 6	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 7 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 6L			K10-12 P70-A11	4 95				.31 .12	YES NO		12 13	
E 6R			K10-15 P70-A10	4 95				.31 .12	YES NO		12 13	
E 7	2		K10-4 P70-A7	4 95				.31 .12	YES NO		12 13	
E 8	2		K10-3 P70-A12	4 95				.31 .12	YES NO		12 13	
E 9	2		K11-1 P81-B7	5 90				.31 .12	YES NO		12 13	
E 10	2		K11-2 P82-B26	5 92				.31 .12	YES NO		12 13	
E 11	2		K11-10 P81-A8	5 89				.31 .12	YES NO		12 13	
E 12	2		K11-13 P81-B8	5 90				.31 .12	YES NO		12 13	
E 13	2		K11-4 P81-A9	5 89				.31 .12	YES NO		12 13	
E 14	2		K11-7 P81-B9	5 90				.31 .12	YES NO		12 13	
E 15	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 15B	1		P73-B20 SHLD E15	99				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 8 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 15L			K11-6 P73-B19	5 99				.31 .12	YES NO		12 13	
E 15R			K11-3 P73-B18	5 99				.31 .12	YES NO		12 13	
E 16	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 16B	1		P73-B17 SHLD E16	99				.12 .25	NO NO		13	
E 16L			K11-12 P73-B16	5 99				.31 .12	YES NO		12 13	
E 16R			K11-9 P73-B15	5 99				.31 .12	YES NO		12 13	
E 17	1		K12-1 P81-A13	6 89				.31 .12	YES NO		12 13	
E 18	1		K12-2 P79-C22	6 87				.31 .12	YES NO		12 13	
E 19	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6B~~ ~~A,6B~~	~~7, 9~~ ~~7, 9~~	
E 19A	~~1~~		DELETED ~~SHLD E19~~ ~~E51~~	~~41~~				~~.25~~ ~~.25~~	~~NO~~ ~~NO~~		~~6, 8~~	~~SEE E20A~~
E 19B	~~1~~		DELETED ~~P73-E29~~ ~~SHLD E19~~	~~1~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 19L			DELETED ~~K12-13~~ ~~P73-E28~~	~~6~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 9 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 19R			K12-10 P73-E27	6 1				.31 .12	YES NO		12 13	
E 20	3				3.30 3.80	3.00 3.50						
E 20A	1		SHLD E20 E51	41				.25 .25	NO NO	A,6A A,6B	7, 9 7, 9	~~SEE E19A~~
E 20B	1		P73-E17 SHLD E20	1				.12 .25	NO NO		13	
E 20L			K12-14 P73-E16	6 1				.31 .12	YES NO		12 13	
E 20R			K12-11 P73-E15	6 1				.31 .12	YES NO		12 13	
E 21	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6A~~ ~~A,6B~~	~~7, 9~~ ~~7, 9~~	
E 21A	~~1~~		DELETED ~~SHLD E21~~ ~~E52~~	~~42~~				~~.25~~ ~~.25~~	~~NO~~ ~~NO~~		~~6, 8~~	~~SEE E22A~~
E 21B	~~1~~		DELETED ~~P73-E32~~ ~~SHLD E21~~	~~1~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 21L			DELETED ~~K12-7~~ ~~P73-E31~~	~~6~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 21R			DELETED ~~K12-4~~ ~~P73-E30~~	~~6~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 22	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 10 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 22A	1		SHLD E22 E52	42				.25 .25	YES NO			~~SEE E21A~~
E 22B	1		P73-E20 SHLD E22	1				.12 .25	NO NO		13	
E 22L			K12-8 P73-E19	6 1				.31 .12	YES NO		12 13	
E 22R			K12-5 P73-E18	6 1				.31 .12	YES NO		12 13	
E 23	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 23B	1		P73-B14 SHLD E23	99				.12 .25	NO NO		13	
E 23L			K13-6 P73-B13	7 99				.31 .12	YES NO		12 13	
E 23R			K13-3 P73-B12	7 99				.31 .12	YES NO		12 13	
E 24	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 24B	1		P73-B11 SHLD E24	99				.12 .25	NO NO		13	
E 24L			K13-12 P73-B10	7 99				.31 .12	YES NO		12 13	
E 24R			K13-9 P73-B9	7 99				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR ~~E~~ ~~F~~ G | SHEET 11 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 25	2		K13-1 P81-A10	7 89				.31 .12	YES NO		12 13	
E 26	2		K13-2 P82-B25	7 92				.31 .12	YES NO		12 13	
E 27	2		K13-10 P81-A11	7 89				.31 .12	YES NO		12 13	
E 28	2		K13-13 P81-B11	7 90				.31 .12	YES NO		12 13	
E 29	2		K13-4 P81-A12	7 89				.31 .12	YES NO		12 13	
E 30	2		K13-7 P81-B12	7 90				.31 .12	YES NO		12 13	
E 31	2		K14-1 P79-D18	8 88				.31 .12	YES NO		12 13	
E 32	2		K14-2 P79-C30	8 87				.31 .12	YES NO		12 13	
E 33	2		K14-3 P79-D30	8 88				.31 .12	YES NO		12 13	
E 34	2		P82-C25 P82-D26	93 94				.12 .12	NO NO		13 13	
E 35	2		K14-4 P71-A32	8 96				.31 .12	YES NO		12 13	
E 36	2		K14-5 P82-A2	8 91				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR ~~E~~ ~~F~~ G | SHEET 12 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 ~~E~~ ~~F~~ G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 37	4				3.30 3.80	3.00 3.50				A,6A B,7	~~7~~25, 10 10	
E 37A	1		SHLD E37 E53	43				.25 .25	NO NO		6, 8	~~SEE E38A~~
E 37L			K14-6 P79-C25	8 87				.31 .12	YES NO		12 13	
E 37R			K14-9 P79-C24	8 87				.31 .12	YES NO		12 13	
E 38	4				3.30 3.80	3.00 3.50				A,6A B,7	~~7~~25, 10 10	
E 38A	1		SHLD E38 E53	43				.25 .25	NO NO			~~SEE E37A~~
E 38L			K14-7 P82-A21	8 91				.31 .12	YES NO		12 13	
E 38R			K14-10 P82-A18	8 91				.31 .12	YES NO		12 13	
E 39	2		K15-1 P74-C29	9 102				.31 .12	YES NO		12 13	
E 40	2		K15-2 P79-D19	9 88				.31 .12	YES NO		12 13	
E 41	2		K15-5 P79-C19	9 87				.31 .12	YES NO		12 13	
E 42	2		K15-4 P82-B2	9 92				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR ~~E~~ ~~D~~ ~~F~~ G | SHEET 13 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~D~~ ~~E~~ ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 43	4				3.30 3.80	3.00 3.50				A,6A B,7	~~7~~25, 10 10	
E 43A	1		SHLD E43 E54	44				.25 .25	NO NO		6, 8	~~SEE E44A~~
E 43L			K15-6 P75-C14	9 103				.31 .12	YES NO		12 13	
E 43R			K15-9 P75-C13	9 103				.31 .12	YES NO		12 13	
E 44	4				3.30 3.80	3.00 3.50				A,6A B,7	~~7~~25, 10 10	
E 44A	1		SHLD E44 E54	44				.25 .25	NO NO			~~SEE E43A~~
E 44L			K15-7 P79-D25	9 88				.31 .12	YES NO		12 13	
E 44R			K15-10 P79-D24	9 88				.31 .12	YES NO		12 13	
E 45	2		K16-1 P70-A32	10 95				.31 .12	YES NO		12 13	
E 46	2		K16-2 P79-D20	10 88				.31 .12	YES NO		12 13	
E 47	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 47L			K16-4 P73-C2	10 100				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR ~~E~~ ~~D~~ ~~F~~ G | SHEET 14 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E

2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 47R			K16-7 P73-C1	10 100				.31 .12	YES NO		12 13	
E 48	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 48L			K16-3 P73-C32	10 100				.31 .12	NO YES		12 13	
E 48R			K16-6 P73-C31	10 100				.31 .12	NO YES		12 13	
E 49	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 49L			K16-5 P70-A31	10 95				.31 .12	NO YES		12 13	
E 49R			K16-8 P70-A30	10 95				.31 .12	NO YES		12 13	
E 50	~~2~~		~~K16-11~~ ~~P79-C20~~	~~10~~ ~~87~~	DELETED			~~.31~~ ~~.12~~	~~NO~~ ~~YES~~		~~12~~ ~~13~~	
E 51	~~2~~		~~K16-10~~ ~~P70-A18~~	~~10~~ ~~95~~	DELETED			~~.31~~ ~~.12~~	~~NO~~ ~~YES~~		~~12~~ ~~13~~	
E 52	2		K17-1 P70-A19	11 95				.31 .12	NO YES		12 13	
E 53	2		K17-2 P79-D21	11 88				.31 .12	NO YES		12 13	
E 54	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 15 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E

2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 54L			K17-4 P73-C4	11 100				.31 .12	YES NO		12 13	
E 54R			K17-7 P73-C3	11 100				.31 .12	YES NO		12 13	
E 55	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 55L			K17-3 P76-C25	11 104				.31 .12	YES NO		12 13	
E 55R			K17-6 P76-C24	11 104				.31 .12	YES NO		12 13	
E 56	4				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
E 56L			K17-5 P70-A29	11 95				.31 .12	YES NO		12 13	
E 56R			K17-8 P70-A28	11 95				.31 .12	YES NO		12 13	
E 57	~~2~~		~~K17-10~~ ~~P70-A17~~	~~11~~ ~~95~~	DELETED			~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 58	~~2~~		~~K17-11~~ ~~P79-C23~~	~~11~~ ~~87~~	DELETED			~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 59	2		K18-1 P70-A15	12 95				.31 .12	YES NO		12 13	
E 60	2		K18-2 P79-D23	12 88				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 16 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E

2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 61	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 61L			K18-4 P73-C6	12 100				.31 .12	YES NO		12 13	
E 61R			K18-7 P73-C5	12 100				.31 .12	YES NO		12 13	
E 62	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 62L			K18-3 P76-C27	12 104				.31 .12	YES NO		12 13	
E 62R			K18-6 P76-C26	12 104				.31 .12	YES NO		12 13	
E 63	4				3.30 3.80	3.00 3.50				B,7 B,7	10 10	
E 63L			K18-5 P70-A27	12 95				.31 .12	YES NO		12 13	
E 63R			K18-8 P70-A26	12 95				.31 .12	YES NO		12 13	
E 64	~~2~~		~~K18-10~~ ~~P70-A16~~	~~12~~ ~~95~~	DELETED			~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 65	~~2~~		~~K18-11~~ ~~P79-B23~~	~~12~~ ~~86~~	DELETED			~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 66	3				3.30 3.80	3.00 3.50				A,6A ~~A,6B~~ B,7	7, 9 ~~7,~~ 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 17 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E

2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 66A	1		SHLD E66 E55	 45				.25 .25	NO NO		 6, 8	 ~~SEE E67A~~
E 66B	~~1~~		DELETED ~~P79-C5~~ ~~SHLD E66~~	~~87~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 66L			K19-6 ~~P79-C4~~ P81-A19	13 ~~87~~ 89				.31 .12	YES NO		12 ~~13~~ 24	
E 66R			K19-3 ~~P79-C3~~ P81-A20	13 ~~87~~ 89				.31 .12	YES NO		12 ~~13~~ 24	
E 67	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 67A	1		SHLD E67 E55	 45				.25 .25	NO NO			 ~~SEE E66A~~
E 67B	1		P71-~~A11~~ E26 SHLD E67	~~46~~				.12 .25	NO NO		13	
E 67L			K19-7 ~~P71-A10~~ P73-E25	13 ~~96~~ 1				.31 .12	YES NO		12 13	
E 67R			K19-4 ~~P71-A9~~ P73-E24	13 ~~96~~ 1				.31 .12	YES NO		12 13	
E 68	3				3.30 3.80	3.00 3.50				A,6A ~~A,6B~~ B,7	7, 9 ~~7,~~ 9	
E 68A	1		SHLD E68 E56	 46				.25 .25	NO NO		 6, 8	 ~~SEE E69A~~
E 68B	~~1~~		DELETED ~~P79-C8~~ ~~SHLD E68~~	~~87~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 18 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 68L			K19-12 ~~P79-C7~~ P81-A17	13 ~~87~~ 89				.31 .12	YES NO		12 ~~13~~ 24	
E 68R			K19-9 ~~P79-C6~~ P81-A18	13 ~~87~~ 89				.31 .12	YES NO		12 ~~13~~ 24	
E 69	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 69A	1		SHLD E69 E56	46				.25 .25	NO NO			~~SEE E68A~~
E 69B	1		P71-~~A8~~ E23 SHLD E69	1 ~~96~~				.12 .25	NO NO		13	
E 69L			K19-13 ~~P71-A7~~ P73-E22	13 ~~96~~ 1				.31 .12	YES NO		12 13	
E 69R			K19-10 ~~P71-A6~~ P73-E21	13 ~~96~~ 1				.31 .12	YES NO		12 13	
E 70	2		K19-1 P73-C9	13 100				.31 .12	YES NO		12 13	
E 71	2		K19-2 P82-A26	13 91				.31 .12	YES NO		12 13	
E 72	2		K20-1 P73-C10	14 100				.31 .12	YES NO		12 13	
E 73	2		K20-2 P82-A25	14 91				.31 .12	YES NO		12 13	
E 74	3				3.30 3.80	3.00 3.50				A,6A ~~A,6B~~ B,7	7, 9 ~~7,~~ 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 19 OF 80 ~~72~~

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 74A	1		SHLD E74 E57	47				.25 .25	NO NO		6, 8	~~SEE E75A~~
E 74B	~~1~~		DELETED ~~P79-C11~~ ~~SHLD E74~~	~~87~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 74L			K20-6 ~~P79-C10~~ P81-B18	14 ~~87~~ 90				.31 .12	YES NO		12 ~~13~~ 24	
E 74R			K20-3 ~~P79-C9~~ P81-B17	14 ~~87~~ 90				.31 .12	YES NO		12 ~~13~~ 24	
E 75	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 75A	1		SHLD E75 E57	47				.25 .25	NO NO			~~SEE E74A~~
E 75B	1		P73-E32 ~~P71-A14~~ SHLD E75	1 ~~96~~				.12 .25	NO NO		13	
E 75L			K20-7 ~~P71-A13~~ P73-E31	14 ~~96~~ 1				.31 .12	YES NO		12 13	
E 75R			K20-4 ~~P71-A12~~ P73-E30	14 ~~96~~ 1				.31 .12	YES NO		12 13	
E 76	3				3.30 3.80	3.00 3.50				A,6A ~~A,6B~~ B,7	7, 9 ~~7,~~ 9	
E 76A	1		SHLD E76 E58	48				.25 .25	NO NO		6, 8	~~SEE E77A~~
E 76B	~~1~~		DELETED ~~P79-C14~~ ~~SHLD E76~~	~~87~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 20 OF 80 ~~72~~

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 76L			K20-12 ~~P79-C13~~ P81-B20	14 ~~87~~ 90				.31 .12	YES NO		12 ~~13~~ 24	
E 76R			K20-9 ~~P79-C12~~ P81-B19	14 ~~87~~ 90				.31 .12	YES NO		12 ~~13~~ 24	
E 77	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 77A	1		SHLD E77 E58	48				.25 .25	NO NO			~~SEE E76A~~
E 77B	1		P73-E29 ~~P71-A25~~ SHLD E77	1 ~~96~~				.12 .25	NO NO		13	
E 77L			K20-13 ~~P71-A24~~ P73-E28	14 ~~96~~ 1				.31 .12	YES NO		12 13	
E 77R			K20-10 ~~P71-A23~~ P73-E27	14 ~~96~~ 1				.31 .12	YES NO		12 13	
E 78	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 78A	1		SHLD E78 E59	49				.25 .25	NO NO		6, 8	~~SEE E79A,E80A~~
E 78B	1		P71-A19 SHLD E78	96				.12 .25	NO NO		13	
E 78L			K21-10 P71-A20	15 96				.31 .12	YES NO		12 13	
E 78R			K21-16 P71-A17	15 96				[illegible]	[illegible]		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 21 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 79	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 79A	1		SHLD E79 E59	49				.25 .25	NO NO			~~SEE E78A~~
E 79B	1		P81-F23 SHLD E79	2				.12 .25	NO NO		13	
E 79L			K21-11 P81-F22	15 2				.31 .12	YES NO		12 13	
E 79R			K21-17 P81-F21	15 2				.31 .12	YES NO		12 13	
E 80	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 80A	1		SHLD E80 E60	50				.25 .25	NO NO		6, 8	~~SEE E81A,E82A~~
E 80B	1		P81-B23 SHLD E80	90				.12 .25	NO NO		13	
E 80L			K21-6 P81-B22	15 90				.31 .12	YES NO		12 13	
E 80R			K21-12 P81-B21	15 90				.31 .12	YES NO		12 13	
E 81	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 81A	1		SHLD E81 E60	50				.25 .25	NO NO			~~SEE E80A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 22 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFe

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 81B	1		P71-A22 SHLD E81	96				.12 .25	NO NO		13	
E 81L			K21-7 P71-A21	15 96				.31 .12	YES NO		12 13	
E 81R			K21-13 P71-A18	15 96				.31 .12	YES NO		12 13	
E 82	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 82A	1		SHLD E82 E60	 50				.25 .25	NO NO			~~SEE E80A~~
E 82B	1		P81-F26 SHLD E82	2				.12 .25	NO NO		13	
E 82L			K21-8 P81-F25	15 2				.31 .12	YES NO		12 13	
E 82R			K21-14 P81-F24	15 2				.31 .12	YES NO		12 13	
E 83	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 83A	1		SHLD E83 E59	 49				.25 .25	NO NO			~~SEE E78A~~
E 83B	1		P81-B26 SHLD E83	90				.12 .25	NO NO		13	
E 83L			K21-9 P81-B25	15 90				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR GFG	SHEET 23 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFe

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 83R			K21-15 P81-B24	15 90				.31 .12	YES NO		12 13	
E 84	2		K21-1 P75-C30	15 103				.31 .12	YES NO		12 13	
E 85	2		K21-2 P79-C21	15 87				.31 .12	YES NO		12 13	
E 86	2		K21-3 P74-C25	15 102				.31 .12	YES NO		12 13	
E 87	2		K21-4 P79-B21	15 86				.31 .12	YES NO		12 13	
E 88	2		K22-1 P82-C3	16 93				.31 .12	YES NO		12 13	
E 89	2		K22-2 P79-B19	16 86				.31 .12	YES NO		12 13	
E 90	2		K22-3 P71-A27	16 96				.31 .12	YES NO		12 13	
E 91	2		K22-4 P82-C4	16 93				.31 .12	YES NO		12 13	
E 92	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 92A	1		SHLD E92 E61	 51				.25 .25	NO NO		 6, 8	~~SEE E93A~~
E 92B	1		P76-C3 SHLD E92	104				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR GFG	SHEET 24 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFe

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 92L			K22-10 P76-C2	16 104				.31 .12	YES NO		12 13	
E 92R			K22-7 P76-C1	16 104				.31 .12	YES NO		12 13	
E 93	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 93A	1		SHLD E93 E61	 51				.25 .25	NO NO			~~SEE E92A~~
E 93B	1		~~P81-A6~~ E83 SHLD E93	~~89~~ 78				.38 ~~.12~~ .25	NO NO		~~13~~	
E 93L			K22-11 ~~P81-A5~~ K38-7	16 ~~89~~ 30				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 93R			K22-8 ~~P81-A4~~ K38-4	16 ~~89~~ 30				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 94	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 94A	1		SHLD E94 E62	 52				.25 .25	NO NO		 6, 8	~~SEE E95A~~
E 94B	1		P76-C6 SHLD E94	104				.12 .25	NO NO		13	
E 94L			K22-16 P76-C5	16 104				.31 .12	YES NO		12 13	
E 94R			K22-13 P76-C4	16 104				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR GFG	SHEET 25 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFe

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 95	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 95A	1		SHLD E95 E62	 52				.25 .25	NO NO			~~SEE E94A~~
E 95B	1		~~P81-A3~~ E83 SHLD E95	~~89~~ 73				.38 ~~.12~~ .25	NO NO		~~13~~	
E 95L			K22-17 ~~P81-A2~~ K38-10	16 ~~89~~ 30				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 95R			K22-14 ~~P81-A1~~ K38-13	16 ~~89~~ 30				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 96	2		K23-1 P82-A5	17 91				.31 .12	YES NO		12 13	
E 97	2		K23-2 P79-B22	17 86				.31 .12	YES NO		12 13	
E 98	2		K23-3 P71-A28	17 96				.31 .12	YES NO		12 13	
E 99	2		K23-4 P82-C6	17 93				.31 .12	YES NO		12 13	
E 100	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 100A	1		SHLD E100 E63	 53				.25 .25	NO NO		 6, 8	~~SEE E101A~~
E 100B	1		P76-C9 SHLD E100	104				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR GFG	SHEET 26 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFE

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 100L			K23-10 P76-C8	17 104				.31 .12	YES NO		12 13	
E 100R			K23-7 P76-C7	17 104				.31 .12	YES NO		12 13	
E 101	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 101A	1		SHLD E101 E63	 53				.25 .25	NO NO			~~SEE E100A~~
E 101B	1		~~P81-A32~~ E83 SHLD E101	~~89~~ 73				.38 ~~.12~~ .25	NO NO		~~13~~	
E 101L			K23-11 ~~P81-A31~~ K40-7	17 ~~89~~ 32				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 101R			K23-8 ~~P81-A30~~ K40-4	17 ~~89~~ 32				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 102	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 102A	1		SHLD E102 E64	 54				.25 .25	NO NO		 6, 8	~~SEE E103A~~
E 102B	1		P76-C12 SHLD E102	104				.12 .25	NO NO		13	
E 102L			K23-16 P76-C11	17 104				.31 .12	YES NO		12 13	
E 102R			K23-13 P76-C10	17 104				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR GFG | SHEET 27 OF ~~72~~

MIL 2074 3-63 WIR

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WIRING HARNESS E 2900731 GFE

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 103	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 103A	1		SHLD E103 E64	 54				.25 .25	NO NO			~~SEE E102A~~
E 103B	1		~~P81-A29~~ E83 SHLD E103	~~89~~ 73				.38 ~~.12~~ .25	NO NO		~~13~~	
E 103L			K23-17 ~~P81-A28~~ K40-10	17 ~~89~~ 32				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 103R			K23-14 ~~P81-A27~~ K40-13	17 ~~89~~ 32				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 104	2		K24-1 P82-A7	18 91				.31 .12	YES NO		12 13	
E 105	2		K24-2 P79-B20	18 86				.31 .12	YES NO		12 13	
E 106	2		K24-3 P71-A29	18 96				.31 .12	YES NO		12 13	
E 107	2		K24-4 P82-C8	18 93				.31 .12	YES NO		12 13	
E 108	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 108A	1		SHLD E108 E65	 55				.25 .25	NO NO		 6, 8	~~SEE E109A~~
E 108B	1		P76-C15 SHLD E108	104				.12 .25	NO NO		13	

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR GFG | SHEET 28 OF ~~72~~

MIL 2074 3-63 WIR

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WIRING HARNESS E 2900731 GFE

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 108L			K24-10 P76-C14	18 104				.31 .12	YES NO		12 13	
E 108R			K24-7 P76-C13	18 104				.31 .12	YES NO		12 13	
E 109	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 109A	1		SHLD E109 E65	 55				.25 .25	NO NO			~~SEE E108A~~
E 109B	1		~~P73-B6~~ E83 SHLD E109	~~99~~ 73				.38 ~~.12~~ .25	NO NO		~~13~~	
E 109L			K24-11 ~~P73-B5~~ K39-7	18 ~~99~~ 31				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 109R			K24-8 ~~P73-B4~~ K39-4	18 ~~99~~ 31				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 110	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 110A	1		SHLD E110 E66	 56				.25 .25	NO NO		 6, 8	~~SEE E111A~~
E 110B	1		P76-C18 SHLD E110	104				.12 .25	NO NO		13	
E 110L			K24-16 P76-C17	18 104				.31 .12	YES NO		12 13	
E 110R			K24-13 P76-C16	18 104				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR GFG | SHEET 29 OF ~~72~~

MIL 2074 3-63 WIR

80

WIRING HARNESS E 2900731 GFE

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 111	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 111A	1		SHLD E111 E66	 56				.25 .25	NO NO			~~SEE E110A~~
E 111B	1		~~P73-B3~~ E83 SHLD E111	~~99~~ 73				.38 ~~.12~~ .25	NO NO		~~13~~	
E 111L			K24-17 ~~P73-B2~~ K39-10	18 ~~99~~ 31				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 111R			K24-14 ~~P73-B1~~ K39-13	18 ~~99~~ 31				.31 .31 ~~.12~~	YES ~~NO~~ YES		12 ~~13~~ 12	
E 112	2		K25-1 P70-A13	19 95				.31 .12	YES NO		12 13	
E 113	2		K25-2 P70-A14	19 95				.31 .12	YES NO		12 13	
E 114	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 114A	1		SHLD E114 E67	 57				.25 .38	NO NO			
E 114L			K25-10 P73-C8	19 100				.31 .12	YES NO		12 13	
E 114R			K25-13 P73-C7	19 100				.31 .12	YES NO		12 13	
E 115	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	

CODE IDENT NO. 99974 | SIZE A | 2900731

SCALE-NONE | REV LTR GFG | SHEET 30 OF ~~72~~

MIL 2074 3-63 WIR

80

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 115A	1		SHLD E115 E67	 57				.25 .38	NO NO			
E 115L			K25-9 P74-B24	19 101				.31 .12	YES NO		12 13	
E 115R			K25-12 P74-B23	19 101				.31 .12	YES NO		12 13	
E 116	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 116A	1		SHLD E116 E67	 57				.25 .38	NO NO			
E 116L			K25-11 P75-C22	19 103				.31 .12	YES NO		12 13	
E 116R			K25-14 P75-C21	19 103				.31 .12	YES NO		12 13	
E 117	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 117A	1		SHLD E117 E67	 57				.25 .38	NO NO			
E 117L			K25-4 P75-C24	19 103				.31 .12	YES NO		12 13	
E 117R			K25-7 P75-C23	19 103				.31 .12	YES NO		12 13	
E 118	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~F~~ G	SHEET 31 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 118A	1		SHLD E118 ~~E17-8~~ E67	 57				.25 .38	NO NO			
E 118L			K25-5 P75-C29	19 103				.31 .12	YES NO		12 13	
E 118R			K25-8 P75-C31	19 103				.31 .12	YES NO		12 13	
E 119	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 119A	1		SHLD E119 E67	 57				.25 .38	NO NO			
E 119L			K25-3 P74-B22	19 101				.31 .12	YES NO		12 13	
E 119R			K25-6 P74-B21	19 101				.31 .12	YES NO		12 13	
E 120	2		K28-2 P75-C19	20 103				.31 .12	YES NO		12 13	
E 121	2		K28-3 P75-C18	20 103				.31 .12	YES NO		12 13	
E 122	2		K28-4 P75-C17	20 103				.31 .12	YES NO		12 13	
E 123	2		K28-4 P71-A4	20 96				.31 .12	YES NO		12 13	
E 124	2		K28-11 P82-A32	20 91				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~D~~ ~~F~~ G	SHEET 32 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~D~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 125	2		K29-4 P74-B20	21 101				.31 .12	YES NO		12 13	
E 126	2		K29-11 P82-B32	21 92				.31 .12	YES NO		12 13	
E 127	2		K29-6 P82-C32	21 93				.31 .12	YES NO		12 13	
E 128	2		K29-3 P79-B27	21 86				.31 .12	YES NO		12 13	
E 129	2		K29-1 P79-B28	21 86				.31 .12	YES NO		12 13	
E 130	2		K29-5 P70-A22	21 95				.31 .12	YES NO		12 13	
E 131	2		K29-9 P71-A31	21 96				.31 .12	YES NO		12 13	
E 132	2		K29-10 P71-A5	21 96				.31 .12	YES NO		12 13	
E 133	2		K30-4 P74-B19	22 101				.31 .12	YES NO		12 13	
E 134	2		K30-11 P82-D32	22 94				.31 .12	YES NO		12 13	
E 135	5				3.30 3.80	3.00 3.50				A,6A B,7	25 ~~7~~, 11 11	
E 135A	1		SHLD E135 E68	 58				.25 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~D~~ ~~F~~ G	SHEET 33 OF ~~72~~

80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~ ~~D~~ ~~E~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 135L			K30-7 P75-C26	22 103				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 135R			K30-8 P75-C25	22 103				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 135Y			K30-1 P75-C27	22 103				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 136	5				3.30 3.80	3.00 3.50				A,6A B,7	25 ~~7~~, 11 11	
E 136A	1		SHLD E136 E68	 58				.25 .38	NO NO			
E 136L			K30-6 P76-C29	22 104				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 136R			K30-9 P76-C28	22 104				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 136Y			K30-2 P76-C30	22 104				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 137	5				3.30 3.80	3.00 3.50				A,6A B,7	25 ~~7~~, 11 11	
E 137A	1		SHLD E137 E68	 58				.25 .38	NO NO			
E 137L			K30-5 P74-B27	22 101				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 137R			K30-10 P74-B26	22 101				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~E~~ ~~D~~ ~~F~~ G	SHEET 34 OF ~~72~~ 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 137Y			K30-3 P74-B28	22 101				.31 ~~.12~~ .22	YES NO		12 ~~13~~ 24	
E 138	2		K31-1 P81-B14	23 90				.31 .12	YES NO		12 13	
E 139	2		K31-2 P82-A31	23 91				.31 .12	YES NO		12 13	
E 140	2		P82-E31 P82-E32	3 3				.12 .12	NO NO		13 13	
E 141	2		P82-C30 P82-D31	3 94				.12 .12	NO NO		13 13	
E 142	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6A~~ ~~A,6B~~	~~7, 9~~ ~~7, 9~~	
E 142A	~~1~~		DELETED ~~SHLD E142~~ ~~E69~~	~~59~~				~~.25~~ ~~.25~~	~~NO~~ ~~NO~~		~~6, 8~~	~~SEE E143A~~
E 142B	~~1~~		DELETED ~~P73-E26~~ ~~SHLD E142~~	~~1~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 142L			DELETED ~~K31-7~~ ~~P73-E25~~	~~23~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 142R			DELETED ~~K31-4~~ ~~P73-E24~~	~~23~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 143	3				3.30 3.80	3.00 3.50						
E 143A	1		SHLD E143 E69	59				.25 .25	NO NO			~~SEE E142A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 35 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 143B	1		P73-E14 SHLD E143	1				.12 .25	NO NO		13	
E 143L			K31-8 P73-E13	23 1				.31 .12	YES NO		12 13	
E 143R			K31-5 P73-E12	23 1				.31 .12	YES NO		12 13	
E 144	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6A~~ ~~A,6B~~	~~7, 9~~ ~~7, 9~~	
E 144A	~~1~~		DELETED ~~SHLD E144~~ ~~E70~~	~~60~~				~~.25~~ ~~.25~~	~~NO~~ ~~NO~~		~~6, 8~~	~~SEE E145A~~
E 144B	~~1~~		DELETED ~~P73-E23~~ ~~SHLD E144~~	~~1~~				~~.12~~ ~~.25~~	~~NO~~ ~~NO~~		~~13~~	
E 144L			DELETED ~~K31-13~~ ~~P73-E22~~	~~23~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 144R			DELETED ~~K31-10~~ ~~P73-E21~~	~~23~~ ~~1~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 145	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 145A	1		SHLD E145 E70	60				.25 .25	NO NO			~~SEE E144A~~
E 145B	1		P73-E11 SHLD E145	1				.12 .25	NO NO		13	
E 145L			K31-14 P73-E10	23 1				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 36 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY. ITEMS	REMARKS
E 145R			K31-11 P73-E9	23 1				.31 .12	YES NO		12 13	
E 146	2		K32-1 P71-A3	24 96				.31 .12	YES NO		12 13	
E 147	2		K32-2 P82-E26	24 3				.31 .12	YES NO		12 13	
E 148	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 148A	1		SHLD E148 E71	61				.25 .25	NO NO		6, 8	~~SEE E149A~~
E 148B	1		P73-C25 SHLD E148	100				.12 .25	NO NO		13	
E 148L			K32-7 P73-C24	24 100				.31 .12	YES NO		12 13	
E 148R			K32-4 P73-C23	24 100				.31 .12	YES NO		12 13	
E 149	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 149A	1		SHLD E149 E71	61				.25 .25	NO NO			~~SEE E148A~~
E 149B	1		P73-E6 SHLD E149	1				.12 .25	NO NO		13	
E 149L			K32-8 P73-E5	24 1				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 37 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 149R			K32-5 P73-E4	24 1				.31 .12	YES NO		12 13	
E 150	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 150A	1		SHLD E150 E72	62				.25 .25	NO NO		6, 8	~~SEE E151A~~
E 150B	1		P73-C28 SHLD E150	100				.12 .25	NO NO		13	
E 150L			K32-13 P73-C27	24 100				.31 .12	YES NO		12 13	
E 150R			K32-10 P73-C26	24 100				.31 .12	YES NO		12 13	
E 151	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 151A	1		SHLD E151 E72	62				.25 .25	NO NO			~~SEE E150A~~
E 151B	1		P73-E3 SHLD E151	1				.12 .25	NO NO		13	
E 151L			K32-14 P73-E2	24 1				.31 .12	YES NO		12 13	
E 151R			K32-11 P73-E1	24 1				.31 .12	YES NO		12 13	
E 152	2		K32-3 P82-A9	24 91				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 38 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 153	2		K32-6 P82-B9	24 92				.31 .12	YES NO		12 13	
E 154	2		K32-9 P82-C10	24 93				.31 .12	YES NO		12 13	
E 155	2		K32-12 P82-D10	24 94				.31 .12	YES NO		12 13	
E 156	2		K33-1 P71-A2	25 96				.31 .12	YES NO		12 13	
E 157	2		K33-2 P82-E25	25 3				.31 .12	YES NO		12 13	
E 158	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 158A	1		SHLD E158 E73	63				.25 .25	NO NO		6, 8	~~SEE E159A~~
E 158B	1		P73-C19 SHLD E158	100				.12 .25	NO NO		13	
E 158L			K33-7 P73-C18	25 100				.31 .12	YES NO		12 13	
E 158R			K33-4 P73-C17	25 100				.31 .12	YES NO		12 13	
E 159	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 159A	1		SHLD E159 E73	63				.25 .25	NO NO			~~SEE E158A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 39 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 159B	1		P81-B32 SHLD E159	90				.12 .25	NO NO		13	
E 159L			K33-8 P81-B31	25 90				.31 .12	YES NO		12 13	
E 159R			K33-5 P81-B30	25 90				.31 .12	YES NO		12 13	
E 160	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 160A	1		SHLD E160 E74	64				.25 .25	NO NO		6, 8	~~SEE E161A~~
E 160B	1		P73-C22 SHLD E160	100				.12 .25	NO NO		13	
E 160L			K33-13 P73-C21	25 100				.31 .12	YES NO		12 13	
E 160R			K33-10 P73-C20	25 100				.31 .12	YES NO		12 13	
E 161	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 161A	1		SHLD E161 E74	64				.25 .25	NO NO			~~SEE E160A~~
E 161B	1		P81-B29 SHLD E161	90				.12 .25	NO NO		13	
E 161L			K33-14 P81-B28	25 90				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 40 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 161R			K33-11 P81-B27	25 90				.31 .12	YES NO		12 13	
E 162	2		K33-3 P82-B11	25 92				.31 .12	YES NO		12 13	
E 163	2		K33-6 P82-C11	25 93				.31 .12	YES NO		12 13	
E 164	2		K33-9 P82-D12	25 94				.31 .12	YES NO		12 13	
E 165	2		K33-12 P82-E12	25 3				.31 .12	YES NO		12 13	
E 166	2		K34-1 P71-A1	26 96				.31 .12	YES NO		12 13	
E 167	2		K34-2 P82-D25	26 94				.31 .12	YES NO		12 13	
E 168	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 168A	1		SHLD E168 E75	65				.25 .25	NO NO		6, 8	~~SEE E169A~~
E 168B	1		P73-C13 SHLD E168	100				.12 .25	NO NO		13	
E 168L			K34-7 P73-C12	26 100				.31 .12	YES NO		12 13	
E 168R			K34-4 P73-C11	26 100				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 41 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 169	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 169A	1		SHLD E169 E75	65				.25 .25	NO NO			~~SEE E168A~~
E 169B	1		P81-B6 SHLD E169	90				.12 .25	NO NO		13	
E 169L			K34-8 P81-B5	26 90				.31 .12	YES NO		12 13	
E 169R			K34-5 P81-B4	26 90				.31 .12	YES NO		12 13	
E 170	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 170A	1		SHLD E170 E76	66				.25 .25	NO NO		6, 8	~~SEE E171A~~
E 170B	1		P73-C16 SHLD E170	100				.12 .25	NO NO		13	
E 170L			K34-13 P73-C15	26 100				.31 .12	YES NO		12 13	
E 17CR			K34-10 P73-C14	26 100				.31 .12	YES NO		12 13	
E 171	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 171A	1		SHLD E171 E76	66				.25 .25	NO NO			~~SEE E170A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 42 OF 80

MIL 2074 3-63 WIR

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 171B	1		P81-B3 SHLD E171	90				.12 .25	NO NO		13	
E 171L			K34-14 P81-B2	26 90				.31 .12	YES NO		12 13	
E 171R			K34-11 P81-B1	26 90				.31 .12	YES NO		12 13	
E 172	2		K34-3 P82-B13	26 92				.31 .12	YES NO		12 13	
E 173	2		K34-6 P82-C13	26 93				.31 .12	YES NO		12 13	
E 174	2		K34-9 P82-D14	26 94				.31 .12	YES NO		12 13	
E 175	2		K34-12 P82-E14	26 3				.31 .12	YES NO		12 13	
E 176	2		K35-1 P74-C27	27 102				.31 .12	YES NO		12 13	
E 177	2		K35-2 P82-B31	27 92				.31 .12	YES NO		12 13	
E 178	2		K35-16 P82-C31	27 93				.31 .12	YES NO		12 13	
E 179	2		K35-15 P82-D4	27 94				.31 .12	YES NO		12 13	
E 180	2		K35-18 P82-E3	27 3				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~F~~ G	SHEET 43 OF [redacted]

80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 181	2		K35-19 P79-B18	27 86				.31 .12	YES NO		12 13	
E 182	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 182A	1		SHLD E182 E77	67				.25 .25	NO NO		6, 8	~~SEE E183A~~
E 182B	1		P74-C6 SHLD E182	102				.12 .25	NO NO		13	
E 182L			K35-7 P74-C5	27 102				.31 .12	YES NO		12 13	
E 182R			K35-4 P74-C4	27 102				.31 .12	YES NO		12 13	
E 183	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 183A	1		SHLD E183 E77	67				.25 .25	NO NO			~~SEE E182A~~
E 183B	1		P74-B6 SHLD E183	101				.12 .25	NO NO		13	
E 183L			K35-8 P74-B5	27 101				.31 .12	YES NO		12 13	
E 183R			K35-5 P74-B4	27 101				.31 .12	YES NO		12 13	
E 184	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~F~~ G	SHEET 44 OF [redacted]

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS.	REMARKS
E 184A	1		SHLD E184 E78	68				.25 .25	NO NO		6, 8	~~SEE E185A~~
E 184B	1		P74-C3 SHLD E184	102				.12 .25	NO NO		13	
E 184L			K35-13 P74-C2	27 102				.31 .12	YES NO		12 13	
E 184R			K35-10 P74-C1	27 102				.31 .12	YES NO		12 13	
E 185	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 185A	1		SHLD E185 E78	68				.25 .25	NO NO			~~SEE E184A~~
E 185B	1		P74-B3 SHLD E185	101				.12 .25	NO NO		13	
E 185L			K35-14 P74-B2	27 101				.31 .12	YES NO		12 13	
E 185R			K35-11 P74-B1	27 101				.31 .12	YES NO		12 13	
E 186	2		K36-1 P74-B32	28 101				.31 .12	YES NO		12 13	
E 187	2		K36-2 P82-B30	28 92				.31 .12	YES NO		12 13	
E 188	2		K36-16 P82-E29	28 3				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~F~~ G	SHEET 45 OF [redacted]

80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 189	2		K36-15 P82-D6	28 94				.31 .12	YES NO		12 13	
E 190	2		K36-18 P82-B5	28 92				.31 .12	YES NO		12 13	
E 191	2		K36-19 P79-C18	28 87				.31 .12	YES NO		12 13	
E 192	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 192A	1		SHLD E192 E79	69				.25 .25	NO NO		6, 8	~~SEE E193A~~
E 192B	1		P74-C12 SHLD E192	102				.12 .25	NO NO		13	
E 192L			K36-7 P74-C11	28 102				.31 .12	YES NO		12 13	
E 192R			K36-4 P74-C10	28 102				.31 .12	YES NO		12 13	
E 193	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 193A	1		SHLD E193 E79	69				.25 .25	NO NO			~~SEE E192A~~
E 193B	1		P74-B12 SHLD E193	101				.12 .25	NO NO		13	
E 193L			K36-8 P74-B11	28 101				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR ~~F~~ G	SHEET 46 OF [redacted]

80

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 193R			K36-5 P74-B10	28 101				.31 .12	YES NO		12 13	
E 194	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 194A	1		SHLD E194 E80	70				.25 .25	NO NO		6, 8	~~SEE E195A~~
E 194B	1		P74-C9 SHLD E194	102				.12 .25	NO NO		13	
E 194L			K36-13 P74-C8	28 102				.31 .12	YES NO		12 13	
E 194R			K36-10 P74-C7	28 102				.31 .12	YES NO		12 13	
E 195	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 195A	1		SHLD E195 E80	70				.25 .25	NO NO			~~SEE E194A~~
E 195B	1		P74-B9 SHLD E195	101				.12 .25	NO NO		13	
E 195L			K36-14 P74-B8	28 101				.31 .12	YES NO		12 13	
E 195R			K36-11 P74-B7	28 101				.31 .12	YES NO		12 13	
E 196	2		K37-1 P74-C30	29 102				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~F~~ G	SHEET 47 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 197	2		K37-2 P82-A30	29 91				.31 .12	YES NO		12 13	
E 198	2		K37-19 P79-B17	29 86				.31 .12	YES NO		12 13	
E 199	2		K37-16 P82-A29	29 91				.31 .12	YES NO		12 13	
E 200	2		K37-18 P82-B7	29 92				.31 .12	YES NO		12 13	
E 201	2		K37-15 P82-D8	29 94				.31 .12	YES NO		12 13	
E 202	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 202A	1		SHLD E202 E81	71				.25 .25	NO NO		6, 8	~~SEE E203A~~
E 202B	1		P74-C18 SHLD E202	102				.12 .25	NO NO		13	
E 202L			K37-7 P74-C17	29 102				.31 .12	YES NO		12 13	
E 202R			K37-4 P74-C16	29 102				.31 .12	YES NO		12 13	
E 203	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 203A	1		SHLD E203 E81	71				.25 .25	NO NO			~~SEE E202A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~F~~ G	SHEET 48 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 203B	1		P74-B18 SHLD E203	101				.12 .25	NO NO		13	
E 203L			K37-8 P74-B17	29 101				.31 .12	YES NO		12 13	
E 203R			K37-5 P74-B16	29 101				.31 .12	YES NO		12 13	
E 204	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 204A	1		SHLD E204 E82	72				.25 .25	NO NO		6, 8	~~SEE E205A~~
E 204B	1		P74-C15 SHLD E204	102				.12 .25	NO NO		13	
E 204L			K37-13 P74-C14	29 102				.31 .12	YES NO		12 13	
E 204R			K37-10 P74-C13	29 102				.31 .12	YES NO		12 13	
E 205	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 205A	1		SHLD E205 E82	72				.25 .25	NO NO			~~SEE E204A~~
E 205B	1		P74-B15 SHLD E205	101				.12 .25	NO NO		13	
E 205L			K37-14 P74-B14	29 101				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~F~~ G	SHEET 49 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G ~~F~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 205R			K37-11 P74-B13	29 101				.31 .12	YES NO		12 13	
E 206	2		P82-D30 P82-C29	94 93				.12 .12	NO NO		13 13	
E 207	2		P82-C28 P82-D29	93 94				.12 .12	NO NO		13 13	
E 208	2		K38-1 P76-C23	30 104				.31 .12	YES NO		12 13	
E 209	2		K38-2 P82-A27	30 91				.31 .12	YES NO		12 13	
E 210	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 210A	1		SHLD E210 E83	73				.25 .38	NO NO			
E 210L			K38-6 P81-A18	30 89				.31 .12	YES NO		12 13	
E 210R			K38-3 P81-A17	30 89				.31 .12	YES NO		12 13	
E 211	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	
E 211A	~~1~~		DELETED ~~SHLD E211~~ ~~E83~~	~~73~~				~~.25~~ ~~.38~~	~~NO~~ ~~NO~~			
E 211L			DELETED ~~K38-10~~ ~~P75-C3~~	~~30~~ ~~103~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE - NONE	REV LTR ~~F~~ G	SHEET 50 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G F E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 211R			DELETED ~~K38-13~~ ~~P75-C4~~	~~90~~ ~~104~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 212	3				3.30 3.80	3.00 3.50			A,6A B,7	7, 9 9	
E 212A	1		SHLD 212 E83	73				.25 NO .25 NO			
E 212L			K38-9 P81-A19 A20	30 89				.31 YES .12 NO		12 13	
E 212R			K38-12 P81-A20 A19	30 89				.31 YES .12 NO		12 13	
E 213	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~			~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	
E 213A	~~1~~		DELETED ~~SHLD E213~~ ~~E83~~	~~73~~				~~.25 NO~~ ~~.38 NO~~			
E 213L			DELETED ~~K39-7~~ ~~P75-C10~~	~~31~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 213R			DELETED ~~K39-4~~ ~~P75-C9~~	~~31~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 214	3				3.30 3.80	3.00 3.50			A,6A B,7	7, 9 9	
E 214A	1		SHLD E214 E83	73				.25 NO .25 NO			
E 214L			K39-6 P81-B18	31 90				.31 YES .12 NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR E F G	SHEET 51 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 F G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 214R			K39-3 P81-B17	31 90				.31 YES .12 NO		12 13	
E 215	2		K39-1 P76-C32	31 104				.31 YES .12 NO		12 13	
E 216	2		K39-2 P82-B27	31 92				.31 YES .12 NO		12 13	
E 217	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~			~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	
E 217A	~~1~~		DELETED ~~SHLD E217~~ ~~E83~~	~~73~~				~~.25 NO~~ ~~.38 NO~~			
E 217L			DELETED ~~K39-10~~ ~~P75-C12~~	~~31~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 217R			DELETED ~~K39-13~~ ~~P75-C11~~	~~31~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 218	3				3.30 3.80	3.00 3.50			A,6A B,7	7, 9 9	
E 218A	1		SHLD E218 E83	73				.25 NO .38 NO			
E 218L			K39-9 P81-B20	31 90				.31 YES .12 NO		12 13	
E 218R			K39-12 P81-B19	31 90				.31 YES .12 NO		12 13	
E 219	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~			~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR E F G	SHEET 52 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 F G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 219A	~~1~~		DELETED ~~SHLD E219~~ ~~E83~~	~~73~~				~~.25 NO~~ ~~.38 NO~~			
E 219L			DELETED ~~K40-7~~ ~~P75-C6~~	~~32~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 219R			DELETED ~~K40-4~~ ~~P75-C5~~	~~32~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 220	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~			~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	
E 220A	~~1~~		DELETED ~~SHLD E220~~ ~~E83~~	~~73~~				~~.25 NO~~ ~~.38 NO~~			
E 220L			DELETED ~~K40-10~~ ~~P75-C8~~	~~32~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 220R			DELETED ~~K40-13~~ ~~P75-C7~~	~~32~~ ~~103~~				~~.31 YES~~ ~~.12 NO~~		~~12~~ ~~13~~	
E 221	3				3.30 3.80	3.00 3.50			A,6A B,7	7, 9 9	
E 221A	1		SHLD E221 E83	73				.25 NO .38 NO			
E 221L			K40-6 P81-F18	32 2				.31 YES .12 NO		12 13	
E 221R			K40-3 P81-F17	32 2				.31 YES .12 NO		12 13	
E 222	3				3.30 3.80	3.00 3.50			A,6A B,7	7, 9 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR E F G	SHEET 53 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G E F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 222A	1		SHLD E222 E83	73				.25 NO .38 NO			
E 222L			K40-9 P81-F20	32 2				.31 YES .12 NO		12 13	
E 222R			K40-12 P81-F19	32 2				.31 YES .12 NO		12 13	
E 223	2		K40-1 P76-C31	32 104				.31 YES .12 NO		12 13	
E 224	2		K40-2 P82-C27	32 93				.31 YES .12 NO		12 13	
E 225	2		K42-1 P82-A24	33 91				.31 YES .12 NO		12 13	
E 226	2		K42-2 P79-D32	33 88				.31 YES .12 NO		12 13	
E 227	3				3.30 3.80	3.00 3.50			A,6A A,6B	7, 9 7, 9	
E 227A	1		SHLD E227 E84	74				.25 NO .25 NO		6, 8	~~SEE E228A~~
E 227B	1		P79-B11 SHLD E227	86				.12 NO .25 NO		13	
E 227L			K42-16 P79-B10	33 86				.31 YES .12 NO		12 13	
E 227R			K42-19 P79-B9	33 86				.31 YES .12 NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR E F G	SHEET 54 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E

2900731 G RF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 228	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 228A	1		SHLD E228 E84	74				.25 .25	NO NO			~~SEE E227A~~
E 228B	1		P71-C3 SHLD E228	97				.12 .25	NO NO		13	
E 228L			K42-15 P71-C2	33 97				.31 .12	YES NO		12 13	
E 228R			K42-18 P71-C1	33 97				.31 .12	YES NO		12 13	
E 229	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 229A	1		SHLD E229 E85	75				.25 .25	NO NO		6, 8	~~SEE E230A~~
E 229B	1		P79-B14 SHLD E229	86				.12 .25	NO NO		13	
E 229L			K42-10 P79-B13	33 86				.31 .12	YES NO		12 13	
E 229R			K42-13 P79-B12	33 86				.31 .12	YES NO		12 13	
E 230	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 230A	1		SHLD E230 E85	75				.25 .25	NO NO			~~SEE E229A~~

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR RFG	SHEET 55 OF 80

WIRING HARNESS E

2900731 G RF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 230B	1		P71-C6 SHLD E230	97				.12 .25	NO NO		13	
E 230L			K42-9 P71-C5	33 97				.31 .12	YES NO		12 13	
E 230R			K42-12 P71-C4	33 97				.31 .12	YES NO		12 13	
E 231	2		K42-3 P71-C7	33 97				.31 .12	YES NO		12 13	
E 232	2		K42-4 P79-D31	33 88				.31 .12	YES NO		12 13	
E 233	2		P79-D17 P82-E24	88 3				.12 .12	NO NO		13 13	
E 234	2		P82-D24 P82-E23	88 3				.12 .12	NO NO		13 13	
E 235	2		K43-1 P79-B16	34 86				.31 .12	YES NO		12 13	
E 236	2		K43-2 P82-B29	34 92				.31 .12	YES NO		12 13	
E 237	2		K43-4 P71-D7	34 98				.31 .12	YES NO		12 13	
E 238	2		K43-~~2~~5 P71-C6	34 97				.31 .12	YES NO		12 13	
E 239	2		K43-11 P71-C9	34 97				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR RFG	SHEET 56 OF 80

WIRING HARNESS E

2900731 G RF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 240	2		K43-14 P71-D9	34 98				.31 .12	YES NO		12 13	
E 241	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 241A	1		SHLD E241 E86	76				.25 .25	NO NO		6, 8	~~SEE E242A~~
E 241B	1		P71-D3 SHLD E241	98				.12 .25	NO NO		13	
E 241L			K43-16 P71-D2	34 98				.31 .12	YES NO		12 13	
E 241R			K43-19 P71-D1	34 98				.31 .12	YES NO		12 13	
E 242	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 242A	1		SHLD E242 E86	76				.25 .25	NO NO			~~SEE E241A~~
E 242L			K43-17 P82-B21	34 92				.31 .12	YES NO		12 13	
E 242R			K43-20 P82-B18	34 92				.31 .12	YES NO		12 13	
E 243	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 243B	1		P71-D6 SHLD E243	98				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR RFG	SHEET 57 OF 80

WIRING HARNESS E

2900731 G RF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 243L			K43-10 P71-D5	34 98				.31 .12	YES NO		12 13	
E 243R			K43-13 P71-D4	34 98				.31 .12	YES NO		12 13	
E 244	2		K44-1 P82-B24	35 92				.31 .12	YES NO		12 13	
E 245	2		K44-2 P79-C31	35 87				.31 .12	YES NO		12 13	
E 246	2		K44-3 P71-C10	35 97				.31 .12	YES NO		12 13	
E 247	2		K44-4 P74-B30	35 101				.31 .12	YES NO		12 13	
E 248	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 248A	1		SHLD E248 E87	77				.25 .25	NO NO		6, 8	~~[illegible]~~
E 248B	1		P73-B32 SHLD E248	99				.31 .25	YES NO		13	
E 248L			K44-16 P73-B31	35 99				.31 .12	YES NO		12 13	
E 248R			K44-19 P73-B30	35 99				.31 .12	YES NO		12 13	
E 249	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR RFG	SHEET 58 OF 80

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 249A	1		SHLD E249 E87	 77				.25 .25	NO NO			~~SEE [illegible]~~
E 249B	1		P71-C13 SHLD E249	97				.12 .25	NO NO		13	
E 249L			K44-15 P71-C12	35 97				.31 .12	YES NO		12 13	
E 249R			K44-18 P71-C11	35 97				.31 .12	YES NO		12 13	
E 250	3				3.30 3.60	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 250A	1		SHLD E250 E88	 78				.25 .25	NO NO		6, 8	~~SEE [illegible]~~
E 250B	1		P73-B29 SHLD E250	99				.12 .25	NO NO		13	
E 250L			K44-10 P73-B28	35 99				.31 .12	YES NO		12 13	
E 250R			K44-13 P73-B27	35 99				.31 .12	YES NO		12 13	
E 251	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 251A	1		SHLD E251 E88	 78				.25 .25	NO NO			~~SEE [illegible]~~
E 251B	1		P71-C16 SHLD E251	97				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 59 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 251L			K44-9 P71-C15	35 97				.31 .12	YES NO		12 13	
E 251R			K44-12 P71-C14	35 97				.31 .12	YES NO		12 13	
E 252	2		K45-1 P79-C16	36 87				.31 .12	YES NO		12 13	
E 253	2		K45-2 P82-E28	36 3				.31 .12	YES NO		12 13	
E 254	2		K45-5 P71-D8	36 98				.31 .12	YES NO		12 13	
E 255	2		K45-4 P71-D10	36 98				.31 .12	YES NO		12 13	
E 256	2		K45-3 P74-C32	36 102				.31 .12	YES NO		12 13	
E 257	2		K45-11 P71-C17	36 97				.31 .12	YES NO		12 13	
E 258	2		K45-14 P71-D17	36 98				.31 .12	YES NO		12 13	
E 259	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 259A	1		SHLD E259 E89	 79				.25 .25	NO NO		6, 8	~~SEE [illegible]~~
E 259B	1		P71-D13 SHLD E259	98				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 60 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 259L			K45-16 P71-D12	36 98				.31 .12	YES NO		12 13	
E 259R			K45-19 P71-D11	36 98				.31 .12	YES NO		12 13	
E 260	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 260A	1		SHLD E260 E89	 79				.25 .25	NO NO			~~SEE [illegible]~~
E 260L			K45-17 P82-D19	36 94				.31 .12	YES NO		12 13	
E 260R			K45-20 P82-D20	36 94				.31 .12	YES NO		12 13	
E 261	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 261B	1		P71-D16 SHLD E261	98				.12 .25	NO NO		13	
E 261L			K45-10 P71-D15	36 98				.31 .12	YES NO		12 13	
E 261R			K45-13 P71-D14	36 98				.31 .12	YES NO		12 13	
E 262	2		K46-1 P82-C24	37 93				.31 .12	YES NO		12 13	
E 263	2		K46-2 P79-B32	37 86				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 61 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 264	2		K46-3 P71-C18	37 97				.31 .12	YES NO		12 13	
E 265	2		K46-4 P79-B31	37 86				.31 .12	YES NO		12 13	
E 266	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 266A	1		SHLD E266 E90	 80				.25 .25	NO NO		6, 8	~~SEE [illegible]~~
E 266B	1		P79-B5 SHLD E266	86				.12 .25	NO NO		13	
E 266L			K46-16 P79-B4	37 86				.31 .12	YES NO		12 13	
E 266R			K46-19 P79-B3	37 86				.31 .12	YES NO		12 13	
E 267	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 267A	1		SHLD E267 E90	 80				.25 .25	NO NO			~~SEE [illegible]~~
E 267B	1		P71-C21 SHLD E267	97				.12 .25	NO NO		13	
E 267L			K46-15 P71-C20	37 97				.31 .12	YES NO		12 13	
E 267R			K46-18 P71-C19	37 97				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR G	SHEET 62 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G KP

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 268	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 268A	1		SHLD E268 E91	 81				.25 .25	NO NO		 6, 8	~~[illegible]~~
E 268B	1		P79-B8 SHLD E268	86				.12 .25	NO NO		13	
E 268L			K46-10 P79-B7	37 86				.31 .12	YES NO		12 13	
E 268R			K46-13 P79-B6	37 86				.31 .12	YES NO		12 13	
E 269	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 269A	1		SHLD E269 E91	 81				.25 .25	NO NO			~~[illegible]~~
E 269B	1		P71-C24 SHLD E269	97				.12 .25	NO NO		13	
E 269L			K46-9 P71-C23	37 97				.31 .12	YES NO		12 13	
E 269R			K46-12 P71-C22	37 97				.31 .12	YES NO		12 13	
E 270	2		K47-1 P79-B15	38 86				.31 .12	YES NO		12 13	
E 271	2		K47-2 P82-B28	38 92				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR KFG	SHEET 63 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G KP

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 272	2		K47-~~2~~5 P71-C25	38 97				.31 .12	YES NO		12 13	
E 273	2		K47-4 P71-D18	38 98				.31 .12	YES NO		12 13	
E 274	2		K47-11 P71-C26	38 97				.31 .12	YES NO		12 13	
E 275	2		K47-14 P71-D26	38 98				.31 .12	YES NO		12 13	
E 276	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 276A	1		SHLD E276 E92	 82				.25 .25	NO NO		 6, 8	~~[illegible]~~
E 276B	1		P71-D21 SHLD E276	98				.12 .25	NO NO		13	
E 276L			K47-16 P71-D20	38 98				.31 .12	YES NO		12 13	
E 276R			K47-19 P71-D19	38 98				.31 .12	YES NO		12 13	
E 277	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 277B	1		P71-D24 SHLD E277	98				.12 .25	NO NO		13	
E 277L			K47-10 P71-D23	38 98				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR KFG	SHEET 64 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G KP

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 277R			K47-13 P71-D22	38 98				.31 .12	YES NO		12 13	
E 278	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 278A	1		SHLD E278 E92	 82				.25 .25	NO NO			~~[illegible]~~
E 278L			K47-17 P82-C21	38 93				.31 .12	YES NO		12 13	
E 278R			K47-20 P82-C18	38 93				.31 .12	YES NO		12 13	
E 279	2		K48-1 P82-C23	39 93				.31 .12	YES NO		12 13	
E 280	2		K48-2 P79-C32	39 87				.31 .12	YES NO		12 13	
E 281	2		K48-3 P71-C27	39 97				.31 .12	YES NO		12 13	
E 282	2		K48-4 P74-B29	39 101				.31 .12	YES NO		12 13	
E 283	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 283A	1		SHLD E283 E93	 83				.25 .25	NO NO		 6, 8	~~[illegible]~~
E 283B	1		P73-B26 SHLD E283	99				.12 .25	NO NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR KFG	SHEET 65 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G KP

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 283L			K48-16 P73-B25	39 99				.31 .12	YES NO		12 13	
E 283R			K48-19 P73-B24	39 99				.31 .12	YES NO		12 13	
E 284	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 284A	1		SHLD E284 E93	 83				.25 .25	NO NO			~~[illegible]~~
E 284B	1		P71-C30 SHLD E285	97				.12 .25	NO NO		13	
E 284L			K48-15 P71-C29	39 97				.31 .12	YES NO		12 13	
E 284R			K48-18 P71-C28	39 97				.31 .12	YES NO		12 13	
E 285	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 285A	1		SHLD E285 E94	 84				.25 .25	NO NO		 6, 8	~~[illegible]~~
E 285B	1		P73-B23 SHLD E285	99				.12 .25	NO NO		13	
E 285L			K48-10 P73-B22	39 99				.31 .12	YES NO		12 13	
E 285R			K48-13 P73-B21	39 99				.31 .12	YES NO		12 13	

CODE IDENT NO.	SIZE	
99974	A	2900731
SCALE-NONE	REV LTR KFG	SHEET 66 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 286	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 286A	1		SHLD E286 E94	 84				.25 .25	NO NO			~~SEE E285A~~
E 286B	1		P82-A17 SHLD E286	91				.12 .25	NO NO		13	
E 286L			K48-9 P82-A16	39 91				.31 .12	YES NO		12 13	
E 286R			K48-12 P82-A15	39 91				.31 .12	YES NO		12 13	
E 287	2		K49-1 P79-C15	40 87				.31 .12	YES NO		12 13	
E 288	2		K49-2 P82-A28	40 91				.31 .12	YES NO		12 13	
E 289	2		K49-5 P71-D25	40 98				.31 .12	YES NO		12 13	
E 290	2		K49-4 P71-D27	40 98				.31 .12	YES NO		12 13	
E 291	2		K49-3 P74-C31	40 102				.31 .12	YES NO		12 13	
E 292	2		K49-11 P71-C31	40 97				.31 .12	YES NO		12 13	
E 293	2		K49-14 P71-D31	40 98				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR FFG | SHEET 67 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 294	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 294A	1		SHLD E294 E95	 85				.25 .25	NO NO		 6, 8	~~SEE E295A~~
E 294B	1		P71-D30 SHLD E294	98				.12 .25	NO NO		13	
E 294L			K49-16 P71-D29	40 98				.31 .12	YES NO		12 13	
E 294R			K49-19 P71-D28	40 98				.31 .12	YES NO		12 13	
E 295	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 295A	1		SHLD E295 E95	 85				.25 .25	NO NO			~~SEE E294A~~
E 295L			K49-17 P82-E19	40 3				.31 .12	YES NO		12 13	
E 295R			K49-20 P82-E20	40 3				.31 .12	YES NO		12 13	
E 296	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 296B	1		P82-B17 SHLD E296	92				.12 .25	NO NO		13	
E 296L			K49-10 P82-B16	40 92				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR FFG | SHEET 68 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 296R			K49-13 P82-B15	40 92				.31 .12	YES NO		12 13	
E 297	2		P82-C26 P82-D27	93 94				.12 .12	NO NO		13 13	
E 298	2		E83 P79-C26	73 87				.38 .12	NO NO		 13	
E 299	2		E67 P79-D26	57 88				.38 .12	NO NO		 13	
E 300	2		E68 P75-C32	58 103				.38 .12	NO NO		 13	
E 301	~~3~~		DELETED		~~3.30~~ ~~3.80~~	~~3.00~~ ~~3.50~~				~~A,6A~~ ~~B,7~~	~~7, 9~~ ~~9~~	
E 301A	~~1~~		DELETED ~~SHLD E301~~ ~~E83~~	 ~~73~~				~~.25~~ ~~.30~~	~~NO~~ ~~NO~~			
E 301L			DELETED ~~K38-7~~ ~~P75-62~~	~~30~~ ~~103~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 301R			DELETED ~~K38-4~~ ~~P75-61~~	~~30~~ ~~103~~				~~.31~~ ~~.12~~	~~YES~~ ~~NO~~		~~12~~ ~~13~~	
E 302	1		K28-1 P71-C32	20 96				.31 .12	YES NO		12 13	
E 303	1		K28-7 P71-D32	20 96				.31 .12	YES NO		12 13	
E 304	1		K28-5 P70-A20	20 95				.31 .12	YES NO		12 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR GFG | SHEET 69 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 GFF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 305	1		K28-6 P70-A21	20 95				.31 .12	YES NO		12 13	
E 306	1		K11-15 P81-B13	5 90				.31 .12	YES NO		12 13	
E 307	1		K11-16 P81-A7	5 89				.31 .12	YES NO		12 13	
E 3C8	1		K13-15 P81-A14	7 89				.31 .12	YES NO		12 13	
E 309	1		K13-16 P81-B10	7 90				.31 .12	YES NO		12 13	
E 310	1		K13-19 P81-F10	7 2				.31 .12	YES NO		 13	
E 311	1		K11-19 P81-F7	5 2				.31 .12	YES NO		 13	
E 312	1		K34-1 K34-16	26 26				.31 .31	YES YES		 12	
E 313	1		K33-1 K33-16	25 25				.31 .31	YES YES		 12	
E 314	1		K32-1 K32-16	24 24				.31 .31	YES YES		 12	
E 315	1		K13-18 K11-18	7 5				.31 .31	YES YES		12 12	
E 316	1		K11-18 P81-A15	5 89				.31 .12	YES NO		 13	

CODE IDENT NO. 99974 | SIZE A | 2900731
SCALE-NONE | REV LTR FFG | SHEET 70 OF 80

MIL 2074 3-63 WIR

WIRING HARNESS E 2900731 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 317	1		K32-15 K33-15	24 25				.31 .31	YES YES		12 12	
E 318	1		K33-15 K34-15	25 26				.31 .31	YES YES		12	
E 319	1		K34-15 P81-A16	26 89				.31 .12	YES NO		13	
E 320	1		P81-F15 P81-F16	2 2				.12 .12	NO NO		13 13	
E 321	1		K38-14 K38-15	30 30				.31 .31	YES YES		12 12	
E 322	1		K38-5 K38-18	30 30				.31 .31	YES YES		12 12	
E 323	3				3.80 3.80	3.50 3.50				A,6A A,6B	7,9 7,9	
E 323A	1		SHLD E 323 E96-B	73A				.25 .38	NO NO			
E 323B	1		P81-A3 SHLD E 323	89				.12 .25	NO NO		13	
E 323L			K38-10 P81-A2	30 89				.31 .12	YES NO		13	
E 323R			K38-14 P81-A1	30 89				.31 .12	YES NO		12 13	
E 324	3				3.80 3.80	3.50 3.50				A,6A A,6B	7,9 7,9	

CODE IDENT NO. 99974 SIZE A 2900731

SCALE-NONE REV LTR F G SHEET 71 OF ~~72~~ 80

MIL 2074 3-63 WIR

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO,	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 324A	1		SHLD E324 E96-B	73A				.25 .38	NO NO			
E 324B	1		P81-A6 SHLD E324	89				.12 .25	NO NO		13	
E 324L			K38-8 P81-A5	30 89				.31 .12	YES NO		12 13	
E 324R			K38-5 P81-A4	30 89				.31 .12	YES NO		13	
E 325	1		K19-16 K20-16	13 14				.31 .31	YES YES		12 12	
E 326	1		K19-19 K20-19	13 14				.31 .31	YES YES		12 12	
E 327	1		K38-16 K39-16	30 31				.31 .31	YES YES		12 12	
E 328	1		K39-16 K40-16	31 32				.31 .31	YES YES		12	
E 329	1		K38-19 K39-19	30 31				.31 .31	YES YES		12	
E 330	1		K39-19 K40-19	31 32				.31 .31	YES YES		12	
E 331	26					3.80 3.80	3.50 3.50			A,6B B,7	7,8 8	
E 331A	1		SHLD E331 E96-B	73A				.25 .38	NO NO			

SIZE A CODE IDENT. NO. 99974 2900731

SCALE NONE REV LTR F G SHEET 72 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 331W			K40-16 P74-C19	32 102				.31 .12	YES NO		13	
E 332	26					3.30 3.80	3.00 3.50			A,6B B,7	7,8 8	
E 332A	1		SHLD E332 E96-B	73A				.25 .38	NO NO			
E 332W			K40-19 P74-C21	32 102				.31 .12	YES NO		12 13	
E 333	26					3.30 3.30	3.00 3.00			B,7 A,6A	8 7,8	
E 333B	1		E96-B SHLD E333	73A				.38 .25	NO NO			
E 333W			K20-16 K38-16	14 30				.31 .31	YES YES			
E 334	26				3.30 3.30	3.00 3.00				B,7 A,6A	8 7,8	
E 334B	1		E96-B SHLD E334	73A				.38 .25	NO NO			
E 334W			K20-19 K38-19	14 30				.31 .31	YES YES		12 12	
E 335	1		K40-14 K40-15	32 32				.31 .31	YES YES		12 12	
E 336	1		K40-5 K40-18	32 32				.31 .31	YES YES		12 12	

SIZE A CODE IDENT. NO. 99974 2900731

SCALE NONE REV LTR F G SHEET 73 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 337	3				3.80 4.30	3.50 4.00				A,6A A,6B	7,9 7,9	
E 337A	1		SHLD E337 E96-B	73A				.25 .38	NO NO			
E 337B	1		P81-A29 SHLD E337	89				.12 .25	NO NO		13	
E 337L			K40-10 P81-A28	32 89				.31 .12	YES NO		13	
E 337R			K40-14 P81-A27	32 89				.31 .12	YES NO		12 13	
E 338	3				3.80 4.30	3.50 4.00				A,6A A,6B	7,9 7,9	
E 338A	1		SHLD E338 E96-B	73A				.25 .38	NO NO			
E 338B	1		P81-A32 SHLD E338	89				.12 .25	NO NO		13	
E 338L			K40-8 P81-A31	32 89				.31 .12	YES NO		12 13	
E 338R			K40-5 P81-A30	32 89				.31 .12	YES NO		13	
E 339	3				3.80 4.30	3.50 4.00				A,6A A,6B	7,9 7,9	
E 339A	1		SHLD E339 E96-B	73A				.25 .38	NO NO			

SIZE A CODE IDENT. NO. 99974 2900731

SCALE NONE REV LTR F G SHEET 74 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 339B	1		P73-B3 SHLD E339	99				.12 .25	NO NO		13	
E 339L			K39-10 P73-B2	31 99				.31 .12	YES NO		13	
E 339R			K39-14 P73-B1	31 99				.31 .12	YES NO		12 13	
E 340	3				3.80 4.30	3.50 4.00				A,6A A,6B	7,9 7,9	
E 340A	1		SHLD E340 E96-B	73A				.25 .38	NO NO			
E 340B	1		P73-B6 SHLD E340	99				.12 .25	NO NO		13	
E 340L			K39-8 P73-B5	31 99				.31 .12	YES NO		12 13	
E 340R			K39-5 P73-B4	31 99				.31 .12	YES NO		12 13	
E 341	1		K39-14 K39-15	31 31				.31 .31	YES YES		12 12	
E 342	1		K39-5 K39-18	31 31				.31 .31	YES YES		12	
E 343	1		K27-1 P75-C15	20A 103				.31 .12	YES NO		12 13	
E 344	1		K27-2 P79-C20	20A 87				.31 .12	YES NO		12 13	

SIZE	CODE IDENT. NO.	
A	99974	2900731
SCALE NONE	REV LTR ~~F~~ G	SHEET 75 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 345	3				3.80 4.30	3.50 4.00				A,6A B,7	7,9 9	
E 345A	1		SHLD E345 E68	58				.25	NO			
E 345L			K27-7 P79-B25	20A 86				.31 .12	YES NO		12 13	
E 345R			K27-4 P79-B24	20A 86				.31 .12	YES NO		12 13	
E 346	3				3.80 4.30	3.50 4.00				A,6A B,7	7,9 9	
E 346A	1		SHLD E346 E68	58				.25	NO			
E 346L			K27-6 P74-C23	20A 100				.31 .12	YES NO		12 13	
E 346R			K27-3 P74-C22	20A 100				.31 .12	YES NO		12 13	
E 347	2		K27-9 P75-C16	20A 103				.31 .12	YES NO		12 13	
E 348	2		K27-10 P79-C29	20A 87				.31 .12	YES NO		12 13	
E 349	1		E53 E68	43 58				.25 .31	NO NO			
E 350	1		E54 E68	44 58				.25 .31	NO NO			

SIZE	CODE IDENT. NO.	
A	99974	2900731
SCALE NONE	REV LTR ~~F~~ G	SHEET 76 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE. FIG	ACCESSORY ITEMS	REMARKS
E 351	1		E86 E68	76 58				.25 .31	NO NO			
E 352	1		E89 E68	79 58				.25 .38	NO NO			
E 353	1		E92 E68	82 58				.25 .38	NO NO			
E 354	1		E95 E68	85 58				.25 .38	NO NO			
E 355	1		K20-5 K20-18	14 14				.31 .31	YES YES		12 12	
E 356	1		K27-1 K27-13	20A 20A				.31 .31	YES YES		12	
E 357	2		K27-12 P81-B16	20A 90				.31 .12	YES NO		12 13	
E 358	3				3.80 3.80	3.50 3.50				A,6A B,7	7,9 9	
E 358A	1		SHLD E353 E52	42				.25 .25	NO NO		6,8	
E 358L			K12-7 K20-8	6 14				.31 .31	YES YES		12 12	
E 358R			K12-4 K20-5	6 14				.31 .31	YES YES		12	
E 359	3				3.80 3.80	3.50 3.50				A,6A B,7	7,9 9	

SIZE	CODE IDENT. NO.	
A	99974	2900731
SCALE NONE	REV LTR ~~F~~ G	SHEET 77 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 359A	1		SHLD E354 E51	41				.25 .25	NO NO		6,8	
E 359L			K12-13 K20-13	6 14				.31 .31	YES YES		12	
E 359R			K12-10 K20-11	6 14				.31 .31	YES YES		12 12	
E 360	1		K20-11 K20-15	14 14				.31 .31	YES YES		12 12	
E 361	3				3.80 3.80	3.50 3.50				A,6A B,7	7,9 9	
E 361A	1		SHLD E361 E69	59				.25 .25	NO NO		6,8	
E 361L			K31-7 K19-8	23 13				.31 .31	YES YES		12 12	
E 361R			K31-4 K19-5	23 13				.31 .31	YES YES		12 12	
E 362	3				3.80 3.80	3.50 3.50				A,6A B,7	7,9 9	
E 362A	1		SHLD E362 E70	60				.25 .25	NO NO		6,8	
E 362L			K31-13 K19-13	23 13				.31 .31	YES YES		12 12	
E 362R			K31-10 K19-11	23 13				.31 .31	YES YES		12 12	

SIZE	CODE IDENT. NO.	
A	99974	2900731
SCALE NONE	REV LTR ~~F~~ G	SHEET 78 OF 80

MIL 2084 8-65

G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE FIG	ACCESSORY ITEMS	REMARKS
E 363	1		K19-5 K19-18	13 13				.31 .31	YES YES		12	
E 364	1		K19-11 K19-15	13 13				.31 .31	YES YES		12	
E 365	2		E96-BB P79-B26	73A 86				.38 .12	NO NO		13	

SIZE	CODE IDENT. NO.	
A	99974	2900731
SCALE NONE	REV LTR ~~F~~ G	SHEET 79 OF 80

SEE SHEET 1 FOR REVISION RECORD

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

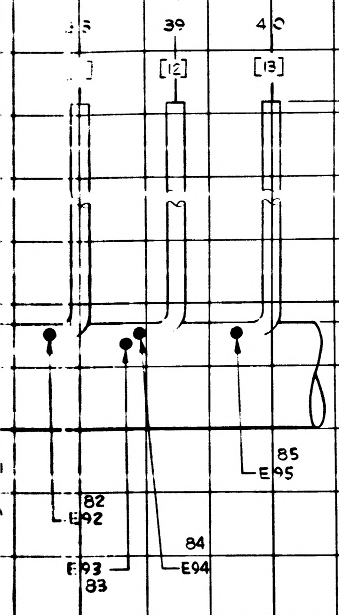
TABLE I

MARKING FOR IDENTIFICATION BANDS	
P70-A/J70-A	P79-C/J79-C
P71-A/J71-A	P79-D/J79-D
P71-C/J71-C	P81-A/J81-A
P71-D/J71-D	P81-B/J81-B
P73-B/J73-B	P82-A/J82-A
P73-C/J73-C	P82-B/J82-B
P74-B/J74-B	P82-C/J82-C
P74-C/J74-C	P82-D/J82-D
P75-C/J75-C	P73-E/J73-E
P76-C/J76-C	P81-F/J81-F
P79-B/J79-B	P82-E/J82-E

TABLE II

CRIMP AND INSTALL ITEM ⑬

CONNECTOR	PINS
P79-D	1,2,3&4
P81-F	1,2,3,4,30,31&32
P82-E	5,6&7



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[12]
[13]
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6.80
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E95
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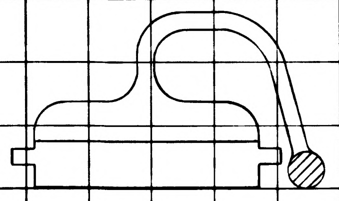
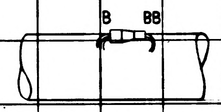
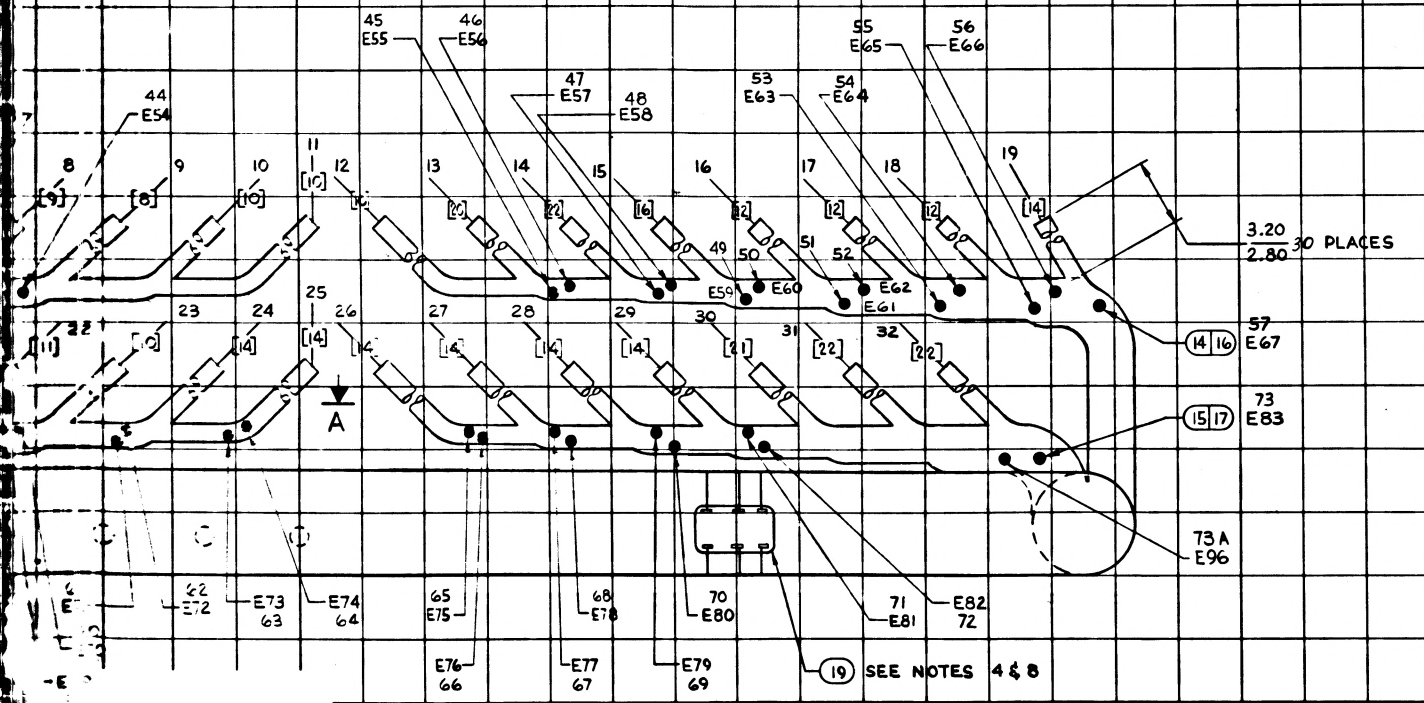
E92
E93
83
84
E94


TYPICAL STRAIN LOOP FOR CONNECTORS P70 THRU P82



TYPICAL SPLICE REDUCER FOR E67, E68, E83 & E96



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E54
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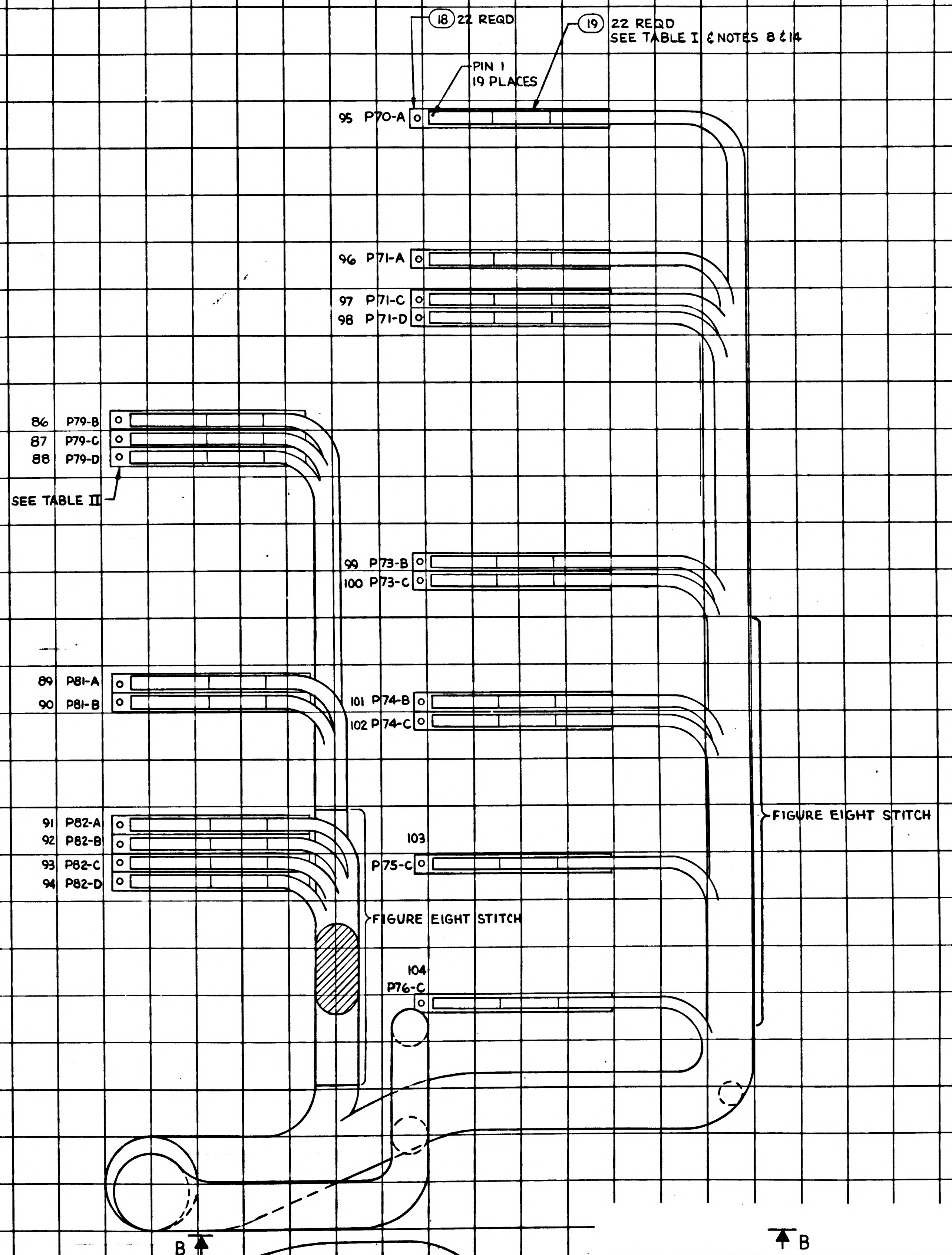
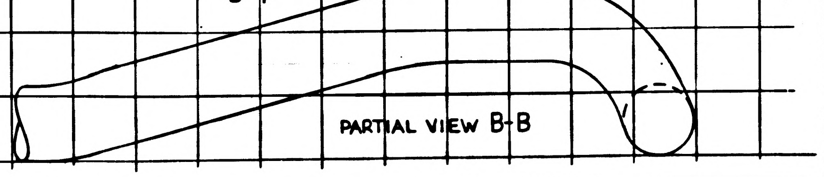
⑲ SEE NOTES 4 & 8



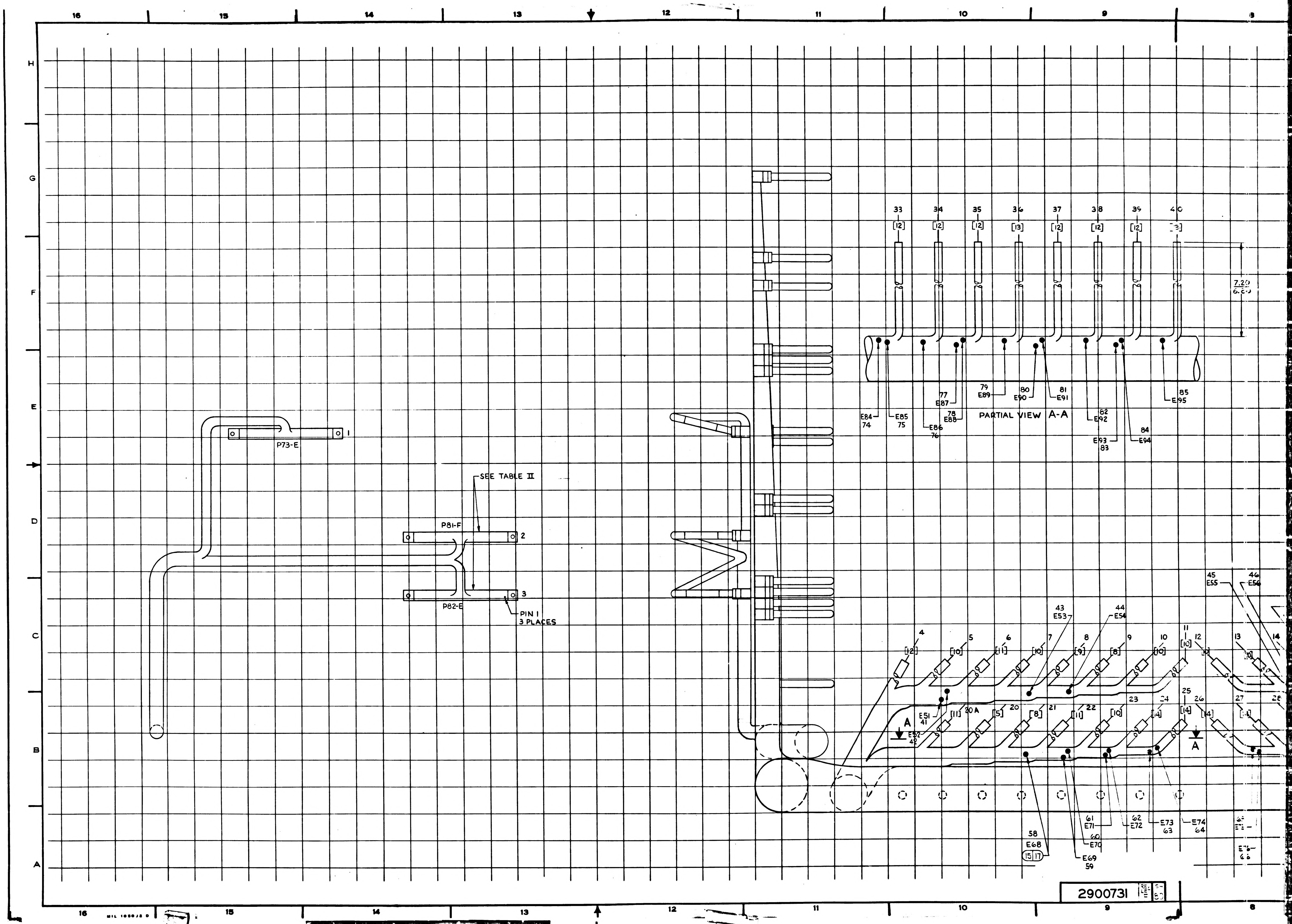
⑱ 22 REQD
⑲ 22 REQD SEE TABLE I & NOTES 8 & 14
PIN 1 19 PLACES
95 P70-A
96 P71-A
97 P71-C
98 P71-D
86 P79-B
87 P79-C
88 P79-D
SEE TABLE II
99 P73-B
100 P73-C
89 P81-A
90 P81-B
101 P74-B
102 P74-C
91 P82-A
92 P82-B
93 P82-C
94 P82-D
103
P75-C
104
P76-C
FIGURE EIGHT STITCH
FIGURE EIGHT STITCH
B
B


PARTIAL VIEW B-B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
FRACTIONS + — − — DECIMALS + — − — ANGLES + — − —	ACSP PN	
	DRAWN E. Miller DATE 10 SEP 65	WIRING HARNESS "E"
	CHECKED Udovich 15 SEP 65	
	APPROVAL 15 SEP 65	
DO NOT SCALE THIS DRAWING	APPROVAL 9-22-65	
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 · SIZE J2 · 2900731
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL · SHEET [illegible] OF [illegible]

2900731

2/2900731

16
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G
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E
D
C
B
A
P73-E
1
SEE TABLE II
P81-F
2
3
P82-E
PIN 1
3 PLACES
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E91
PARTIAL VIEW A-A
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2900731
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172900731

APPLICATION	
NEXT ASSY	USED ON
2900024-011	2900024-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
B	REPLACES REV(A) WITH CHANGE PER MXC 205053	24 SEP 65	RLP EF
C	REVISED PER MXC 205444	9 OCT 65	JWP
D	REVISED PER MXC 205776	16 OCT 65	R.M.T. CP
E	REVISED PER MXC 309806	19 OCT 65	JWP CP
F	REVISED PER MXC 206120	19 OCT 65	JW CP
G	INITIAL RELEASE CLASS A PER TDRR 23557	20 OCT 65	RTP CW
H	REVISED PER TDRR 24140	24-NOV-65	GM W.D.

Ⓜ

	REV	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	4
REV STATUS	REV					H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	
OF SHEETS	SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN E. Miller DATE 15 SEP 65
CHECKED a. Udorich 15 SEP 65
APPROVAL J. Ziino 15 SEP 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS E

CODE IDENT NO.	SIZE		REV
99974	A	2900731	H

SCALE —

SHEET 1 OF 80

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	H														
47	H														
48	H														
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		REVISION	NASA DRAWING NO.
	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	H	2900731 SHEET 2 OF 80

NOTE NUMBER | GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

5 LOCATE ITEMS 9, 10 AND 11 ADJACENT TO ITEM 7.

6 LACE HARNESS USING ITEM 20.

7 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 21 OR ITEMS 22 AND 23.

8 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 20.

9 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER.
A - FROM END SHIELD
B - TO END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.
W - WHITE
Y - WHITE WITH YELLOW TRACER.

10 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

11 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019.

12 APPLY LEAD IDENTIFICATION TO SLEEVES OF ALL MULTI-LEADS PER ND1002019.

NOTE NUMBER | GENERAL NOTES DESCRIPTION

13 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

14 MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

15 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

16 ASSEMBLE PER ND1002032.

17 LEAD INSULATION SHALL NOT BE CRIMPED IN ACCESSORY ITEM 24 WHENEVER ITEM 5 IS SPECIFIED. EXPOSED WIRE SHALL NOT EXCEED .062 INCH

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900731-001	WIRE ND1002181 TYPE 1 CLASS 1 22AWG WHT
	2	1	2900731-002	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT
	3	1	2900731-003	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 22AWG (WHT-BLUE, WHT-RED)
	4	1	2900731-004	WIRE ND1002181 TYPE 2 CLASS 4 WHT JKT 20AWG (WHT-BLUE, WHT-RED)
	5	1	2900731-005	WIRE ND1002181 TYPE 3 CLASS 4 WHT JKT 16AWG (WHT-BLUE, WHT-RED, WHT-YEL)
10	6	42	1010763- 1	SOLDER SLEEVE
10	7	188	1010763- 2	SOLDER SLEEVE
10	8	50	1010490-232	INSULATION SLEEVING, ELEC HT SHRINK
10	9	240	1010490-228	INSULATION SLEEVING, ELEC HT SHRINK
10	10	12	1010490-226	INSULATION SLEEVING, ELEC HT SHRINK
10	11	6	1010490-222	INSULATION SLEEVING, ELEC HT SHRINK
10	12	482	1015864-227	INSULATION SLEEVING
10	13	498	1897266- 1	CONTACT RECEPTACLE
10	14	1	1016006-002	SPLICE REDUCER
10	15	3	1016006-003	SPLICE REDUCER
10	16	1	1010490-258	INSULATION SLEEVING, ELEC HT SHRINK
10	17	3	1010490-256	INSULATION SLEEVING, ELEC HT SHRINK

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
10	18	22	1897267-001	CONNECTOR, RECP
10	19	23	1016128-011	BAND IDENTIFICATION-BLANK
	20	AR	MIL-T-713	LACING TAPE, CLASS 2, TYPE P, WAXED (ES2732)
	21	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	22	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	10	1897266-004	CONTACT, RECEPTACLE
	25	7	1010763- 3	SOLDER SLEEVE
	26	1	2900731-006	WIRE ND1002181, TYPE 1, CLASS 4, WHT JKT, 22AWG, WHT

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 1	2		K10-1	4				.31	YES		12	
			P74-C28	102				.12	NO		13	
E 2	2		K10-2	4				.31	YES		12	
			P79-D22	88				.12	NO		13	
E 3	3				3.30	3.00				B,7	9	
					3.80	3.50				B,7	9	
E 3L			K10-7	4				.31	YES		12	
			P70-A4	95				.12	NO		13	
E 3R			K10-10	4				.31	YES		12	
			P70-A3	95				.12	NO		13	
E 4	3				3.30	3.00				B,7	9	
					3.80	3.50				B,7	9	
E 4L			K10-6	4				.31	YES		12	
			P70-A9	95				.12	NO		13	
E 4R			K10-9	4				.31	YES		12	
			P70-A8	95				.12	NO		13	
E 5	3				3.30	3.00				B,7	9	
					3.80	3.50				B,7	9	
E 5L			K10-13	4				.31	YES		12	
			P70-A6	95				.12	NO		13	
E 5R			K10-16	4				.31	YES		12	
			P70-A5	95				.12	NO		13	
E 6	3				3.30	3.00				B,7	9	
					3.80	3.50				B,7	9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 6L			K10-12	4				.31	YES		12	
			P70-A11	95				.12	NO		13	
E 6R			K10-15	4				.31	YES		12	
			P70-A10	95				.12	NO		13	
E 7	2		K10-4	4				.31	YES		12	
			P70-A7	95				.12	NO		13	
E 8	2		K10-3	4				.31	YES		12	
			P70-A12	95				.12	NO		13	
E 9	2		K11-1	5				.31	YES		12	
			P81-B7	90				.12	NO		13	
E 10	2		K11-2	5				.31	YES		12	
			P82-B26	92				.12	NO		13	
E 11	2		K11-10	5				.31	YES		12	
			P81-A8	89				.12	NO		13	
E 12	2		K11-13	5				.31	YES		12	
			P81-B8	90				.12	NO		13	
E 13	2		K11-4	5				.31	YES		12	
			P81-A9	89				.12	NO		13	
E 14	2		K11-7	5				.31	YES		12	
			P81-B9	90				.12	NO		13	
E 15	3				3.30	3.00				B,7	9	
					3.80	3.50				A,6B	7, 9	
E 15B	1		P73-B20	99				.12	NO		13	
			SHLD E15					.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 15L			K11-6	5				.31	YES		12	
			P73-B19	99				.12	NO		13	
E 15R			K11-3	5				.31	YES		12	
			P73-B18	99				.12	NO		13	
E 16	3				3.30	3.00				B,7	9	
					3.80	3.50				A,6B	7, 9	
E 16B	1		P73-B17	99				.12	NO		13	
			SHLD E16					.25	NO			
E 16L			K11-12	5				.31	YES		12	
			P73-B16	99				.12	NO		13	
E 16R			K11-9	5				.31	YES		12	
			P73-B15	99				.12	NO		13	
E 17	1		K12-1	6				.31	YES		12	
			P81-A13	89				.12	NO		13	
E 18	1		K12-2	6				.31	YES		12	
			P79-C22	87				.12	NO		13	
E 19			DELETED									
E 19A			DELETED									
E 19B			DELETED									
E 19L			DELETED									

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 19R			DELETED									
E 20	3				3.30	3.00						
					3.80	3.50						
E 20A	1		SHLD E20					.25	NO	A,6A	7, 9	
			E51	41				.25	NO	A,6B	7, 9	
E 20B	1		P73-E17	1				.12	NO		13	
			SHLD E20					.25	NO			
E 20L			K12-14	6				.31	YES		12	
			P73-E16	1				.12	NO		13	
E 20R			K12-11	6				.31	YES		12	
			P73-E15	1				.12	NO		13	
E 21			DELETED									
E 21A			DELETED									
E 21B			DELETED									
E 21L			DELETED									
E 21R			DELETED									
E 22	3				3.80	3.50				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 22A	1		SHLD E22 E52	 42				.25 .25	YES NO			
E 22B	1		P73-E20 SHLD E22	1				.12 .25	NO NO		13	
E 22L			K12-8 P73-E19	6 1				.31 .12	YES NO		12 13	
E 22R			K12-5 P73-E18	6 1				.31 .12	YES NO		12 13	
E 23	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 23B	1		P73-B14 SHLD E23	99				.12 .25	NO NO		13	
E 23L			K13-6 P73-B13	7 99				.31 .12	YES NO		12 13	
E 23R			K13-3 P73-B12	7 99				.31 .12	YES NO		12 13	
E 24	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 24B	1		P73-B11 SHLD E24	99				.12 .25	NO NO		13	
E 24L			K13-12 P73-B10	7 99				.31 .12	YES NO		12 13	
E 24R			K13-9 P73-B9	7 99				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 25	2		K13-1 P81-A10	7 89				.31 .12	YES NO		12 13	
E 26	2		K13-2 P82-B25	7 92				.31 .12	YES NO		12 13	
E 27	2		K13-10 P81-A11	7 89				.31 .12	YES NO		12 13	
E 28	2		K13-13 P81-B11	7 90				.31 .12	YES NO		12 13	
E 29	2		K13-4 P81-A12	7 89				.31 .12	YES NO		12 13	
E 30	2		K13-7 P81-B12	7 90				.31 .12	YES NO		12 13	
E 31	2		K14-1 P79-D18	8 88				.31 .12	YES NO		12 13	
E 32	2		K14-2 P79-C30	8 87				.31 .12	YES NO		12 13	
E 33	2		K14-3 P79-D30	8 88				.31 .12	YES NO		12 13	
E 34	2		P82-C25 P82-D26	93 94				.12 .12	NO NO		13 13	
E 35	2		K14-4 P71-A32	8 96				.31 .12	YES NO		12 13	
E 36	2		K14-5 P82-A2	8 91				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 37	4				3.30 3.80	3.00 3.50				A,6A B,7	25, 10 10	
E 37A	1		SHLD E37 E53	 43				.25 .25	NO NO		 6, 8	
E 37L			K14-6 P79-C25	8 87				.31 .12	YES NO		12 13	
E 37R			K14-9 P79-C24	8 87				.31 .12	YES NO		12 13	
E 38	4				3.30 3.80	3.00 3.50				A,6A B,7	25, 10 10	
E 38A	1		SHLD E38 E53	 43				.25 .25	NO NO			
E 38L			K14-7 P82-A21	8 91				.31 .12	YES NO		12 13	
E 38R			K14-10 P82-A18	8 91				.31 .12	YES NO		12 13	
E 39	2		K15-1 P74-C29	9 102				.31 .12	YES NO		12 13	
E 40	2		K15-2 P79-D19	9 88				.31 .12	YES NO		12 13	
E 41	2		K15-5 P79-C19	9 87				.31 .12	YES NO		12 13	
E 42	2		K15-4 P82-B2	9 92				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 43	4				3.30 3.80	3.00 3.50				A,6A B,7	25, 10 10	
E 43A	1		SHLD E43 E54	 44				.25 .25	NO NO		 6, 8	
E 43L			K15-6 P75-C14	9 103				.31 .12	YES NO		12 13	
E 43R			K15-9 P75-C13	9 103				.31 .12	YES NO		12 13	
E 44	4				3.30 3.80	3.00 3.50				A,6A B,7	25, 10 10	
E 44A	1		SHLD E44 E54	 44				.25 .25	NO NO			
E 44L			K15-7 P79-D25	9 88				.31 .12	YES NO		12 13	
E 44R			K15-10 P79-D24	9 88				.31 .12	YES NO		12 13	
E 45	2		K16-1 P70-A32	10 95				.31 .12	YES NO		12 13	
E 46	2		K16-2 P79-D20	10 88				.31 .12	YES NO		12 13	
E 47	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 47L			K16-4 P73-C2	10 100				.31 .12	YES NO		12 13	

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 47R			K16-7 P73-C1	10 100				.31 .12	YES NO		12 13	
E 48	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 48L			K16-3 P73-C32	10 100				.31 .12	NO YES		12 13	
E 48R			K16-6 P73-C31	10 100				.31 .12	NO YES		12 13	
E 49	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 49L			K16-5 P70-A31	10 95				.31 .12	NO YES		12 13	
E 49R			K16-8 P70-A30	10 95				.31 .12	NO YES		12 13	
E 50			DELETED									
E 51			DELETED									
E 52	2		K17-1 P70-A19	11 95				.31 .12	NO YES		12 13	
E 53	2		K17-2 P79-D21	11 88				.31 .12	NO YES		12 13	
E 54	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	

SIZE A	CODE IDENT NO. 99974	2900731	
SCALE-NONE	REV LTR H	SHEET 15 OF 80	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 54L			K17-4 P73-C4	11 100				.31 .12	YES NO		12 13	
E 54R			K17-7 P73-C3	11 100				.31 .12	YES NO		12 13	
E 55	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 55L			K17-3 P76-C25	11 104				.31 .12	YES NO		12 13	
E 55R			K17-6 P76-C24	11 104				.31 .12	YES NO		12 13	
E 56	4				3.80 3.80	3.50 3.50				B,7 B,7	10 10	
E 56L			K17-5 P70-A29	11 95				.31 .12	YES NO		12 13	
E 56R			K17-8 P70-A28	11 95				.31 .12	YES NO		12 13	
E 57			DELETED									
E 58			DELETED									
E 59	2		K18-1 P70-A15	12 95				.31 .12	YES NO		12 13	
E 60	2		K18-2 P79-D23	12 88				.31 .12	YES NO		12 13	

SIZE A	CODE IDENT NO. 99974	2900731	
SCALE-NONE	REV LTR H	SHEET 16 OF 80	

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WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 61	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 61L			K18-4 P73-C6	12 100				.31 .12	YES NO		12 13	
E 61R			K18-7 P73-C5	12 100				.31 .12	YES NO		12 13	
E 62	3				3.30 3.80	3.00 3.50				B,7 B,7	9 9	
E 62L			K18-3 P76-C27	12 104				.31 .12	YES NO		12 13	
E 62R			K18-6 P76-C26	12 104				.31 .12	YES NO		12 13	
E 63	4				3.30 3.80	3.00 3.50				B,7 B,7	10 10	
E 63L			K18-5 P70-A27	12 95				.31 .12	YES NO		12 13	
E 63R			K18-8 P70-A26	12 95				.31 .12	YES NO		12 13	
E 64			DELETED									
E 65			DELETED									
E 66	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	

SIZE A	CODE IDENT NO. 99974	2900731	
SCALE-NONE	REV LTR H	SHEET 17 OF 80	

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WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 66A	1		SHLD E66 E55	 45				.25 .25	NO NO		 6, 8	
E 66B			DELETED									
E 66L			K19-6 P81-A18	13 89				.31 .12	YES NO		12 24	
E 66R			K19-3 P81-A17	13 89				.31 .12	YES NO		12 24	
E 67	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 67A	1		SHLD E67 E55	 45				.25 .25	NO NO			
E 67B	1		P71-E26 SHLD E67	1				.12 .25	NO NO		13	
E 67L			K19-7 P73-E25	13 1				.31 .12	YES NO		12 13	
E 67R			K19-4 P73-E24	13 1				.31 .12	YES NO		12 13	
E 68	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 68A	1		SHLD E68 E56	 46				.25 .25	NO NO		 6, 8	
E 68B			DELETED									

SIZE A	CODE IDENT NO. 99974	2900731	
SCALE-NONE	REV LTR H	SHEET 18 OF 80	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 68L			K19-12 P81-A20	13 89				.31 .12	YES NO		12 24	
E 68R			K19-9 P81-A19	13 89				.31 .12	YES NO		12 24	
E 69	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 69A	1		SHLD E69 E56	 46				.25 .25	NO NO			
E 69B	1		P71-E23 SHLD E69	1				.12 .25	NO NO		13	
E 69L			K19-13 P73-E22	13 1				.31 .12	YES NO		12 13	
E 69R			K19-10 P73-E21	13 1				.31 .12	YES NO		12 13	
E 70	2		K19-1 P73-C9	13 100				.31 .12	YES NO		12 13	
E 71	2		K19-2 P82-A26	13 91				.31 .12	YES NO		12 24	
E 72	2		K20-1 P73-C10	14 100				.31 .12	YES NO		12 13	
E 73	2		K20-2 P82-A25	14 91				.31 .12	YES NO		12 13	
E 74	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 74A	1		SHLD E74 E57	 47				.25 .25	NO NO		 6, 8	
E 74B			DELETED									
E 74L			K20-6 P81-B18	14 90				.31 .12	YES NO		12 24	
E 74R			K20-3 P81-B17	14 90				.31 .12	YES NO		12 24	
E 75	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 75A	1		SHLD E75 E57	 47				.25 .25	NO NO			
E 75B	1		P73-E32 SHLD E75	1				.12 .25	NO NO		13	
E 75L			K20-7 P73-E31	14 1				.31 .12	YES NO		12 13	
E 75R			K20-4 P73-E30	14 1				.31 .12	YES NO		12 13	
E 76	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 76A	1		SHLD E76 E58	 48				.25 .25	NO NO		 6, 8	
E 76B			DELETED									

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 76L			K20-12 P81-B20	14 90				.31 .12	YES NO		12 24	
E 76R			K20-9 P81-B19	14 90				.31 .12	YES NO		12 24	
E 77	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 77A	1		SHLD E77 E58	 48				.25 .25	NO NO			
E 77B	1		P73-E29 SHLD E77	1				.12 .25	NO NO		13	
E 77L			K20-13 P73-E28	14 1				.31 .12	YES NO		12 13	
E 77R			K20-10 P73-E27	14 1				.31 .12	YES NO		12 13	
E 78	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 78A	1		SHLD E78 E59	 49				.25 .25	NO NO		 6, 8	
E 78B	1		P71-A19 SHLD E78	96				.12 .25	NO NO		13	
E 78L			K21-10 P71-A20	15 96				.31 .12	YES NO		12 13	
E 78R			K21-16 P71-A17	15 96				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 79	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 79A	1		SHLD E79 E59	 49				.25 .25	NO NO			
E 79B	1		P81-F23 SHLD E79	2				.12 .25	NO NO		13	
E 79L			K21-11 P81-F22	15 2				.31 .12	YES NO		12 13	
E 79R			K21-17 P81-F21	15 2				.31 .12	YES NO		12 13	
E 80	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 80A	1		SHLD E80 E60	 50				.25 .25	NO NO		 6, 8	
E 80B	1		P81-B23 SHLD E80	90				.12 .25	NO NO		13	
E 80L			K21-6 P81-B22	15 90				.31 .12	YES NO		12 13	
E 80R			K21-12 P81-B21	15 90				.31 .12	YES NO		12 13	
E 81	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 81A	1		SHLD E81 E60	 50				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 81B	1		P71-A22 SHLD E81	96				.12 .25	NO NO		13	
E 81L			K21-7 P71-A21	15 96				.31 .12	YES NO		12 13	
E 81R			K21-13 P71-A18	15 96				.31 .12	YES NO		12 13	
E 82	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 82A	1		SHLD E82 E60	 50				.25 .25	NO NO			
E 82B	1		P81-F26 SHLD E82	2				.12 .25	NO NO		13	
E 82L			K21-8 P81-F25	15 2				.31 .12	YES NO		12 13	
E 82R			K21-14 P81-F24	15 2				.31 .12	YES NO		12 13	
E 83	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 83A	1		SHLD E83 E59	 49				.25 .25	NO NO			
E 83B	1		P81-B26 SHLD E83	90				.12 .25	NO NO		13	
E 83L			K21-9 P81-B25	15 90				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 83R			K21-15 P81-B24	15 90				.31 .12	YES NO		12 13	
E 84	2		K21-1 P75-C30	15 103				.31 .12	YES NO		12 13	
E 85	2		K21-2 P79-C21	15 87				.31 .12	YES NO		12 13	
E 86	2		K21-3 P74-C25	15 102				.31 .12	YES NO		12 13	
E 87	2		K21-4 P79-B21	15 86				.31 .12	YES NO		12 13	
E 88	2		K22-1 P82-C3	16 93				.31 .12	YES NO		12 13	
E 89	2		K22-2 P79-B19	16 86				.31 .12	YES NO		12 13	
E 90	2		K22-3 P71-A27	16 96				.31 .12	YES NO		12 13	
E 91	2		K22-4 P82-C4	16 93				.31 .12	YES NO		12 13	
E 92	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 92A	1		SHLD E92 E61	 51				.25 .25	NO NO		 6, 8	
E 92B	1		P76-C3 SHLD E92	104				.12 .25	NO NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 92L			K22-10 P76-C2	16 104				.31 .12	YES NO		12 13	
E 92R			K22-7 P76-C1	16 104				.31 .12	YES NO		12 13	
E 93	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 93A	1		SHLD E93 E61	 51				.25 .25	NO NO			
E 93B	1		E83 SHLD E93	73				.38 .25	NO NO			
E 93L			K22-11 K38-7	16 30				.31 .31	YES YES		12 12	
E 93R			K22-8 K38-4	16 30				.31 .31	YES YES		12 12	
E 94	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 94A	1		SHLD E94 E62	 52				.25 .25	NO NO		 6, 8	
E 94B	1		P76-C6 SHLD E94	104				.12 .25	NO NO		13	
E 94L			K22-16 P76-C5	16 104				.31 .12	YES NO		12 13	
E 94R			K22-13 P76-C4	16 104				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 95	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 95A	1		SHLD E95 E62	 52				.25 .25	NO NO			
E 95B	1		E83 SHLD E95	73				.38 .25	NO NO			
E 95L			K22-17 K38-10	16 30				.31 .31	YES YES		12 12	
E 95R			K22-14 K38-13	16 30				.31 .31	YES YES		12 12	
E 96	2		K23-1 P82-A5	17 91				.31 .12	YES NO		12 13	
E 97	2		K23-2 P79-B22	17 86				.31 .12	YES NO		12 13	
E 98	2		K23-3 P71-A28	17 96				.31 .12	YES NO		12 13	
E 99	2		K23-4 P82-C6	17 93				.31 .12	YES NO		12 13	
E 100	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 100A	1		SHLD E100 E63	 53				.25 .25	NO NO		 6, 8	
E 100B	1		P76-C9 SHLD E100	104				.12 .25	NO NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 100L			K23-10 P76-C8	17 104				.31 .12	YES NO		12 13	
E 100R			K23-7 P76-C7	17 104				.31 .12	YES NO		12 13	
E 101	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 101A	1		SHLD E101 E63	 53				.25 .25	NO NO			
E 101B	1		E83 SHLD E101	73				.38 .25	NO NO			
E 101L			K23-11 K40-7	17 32				.31 .31	YES YES		12 12	
E 101R			K23-8 K40-4	17 32				.31 .31	YES YES		12 12	
E 102	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 102A	1		SHLD E102 E64	 54				.25 .25	NO NO		 6, 8	
E 102B	1		P76-C12 SHLD E102	104				.12 .25	NO NO		13	
E 102L			K23-16 P76-C11	17 104				.31 .12	YES NO		12 13	
E 102R			K23-13 P76-C10	17 104				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 103	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 103A	1		SHLD E103 E64	 54				.25 .25	NO NO			
E 103B	1		E83 SHLD E103	73				.38 .25	NO NO			
E 103L			K23-17 K40-10	17 32				.31 .31	YES YES		12 12	
E 103R			K23-14 K40-13	17 32				.31 .31	YES YES		12 12	
E 104	2		K24-1 P82-A7	18 91				.31 .12	YES NO		12 13	
E 105	2		K24-2 P79-B20	18 86				.31 .12	YES NO		12 13	
E 106	2		K24-3 P71-A29	18 96				.31 .12	YES NO		12 13	
E 107	2		K24-4 P82-C8	18 93				.31 .12	YES NO		12 13	
E 108	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 108A	1		SHLD E108 E65	 55				.25 .25	NO NO		 6, 8	
E 108B	1		P76-C15 SHLD E108	104				.12 .25	NO NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 108L			K24-10 P76-C14	18 104				.31 .12	YES NO		12 13	
E 108R			K24-7 P76-C13	18 104				.31 .12	YES NO		12 13	
E 109	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 109A	1		SHLD E109 E65	 55				.25 .25	NO NO			
E 109B	1		E83 SHLD E109	73				.38 .25	NO NO			
E 109L			K24-11 K39-7	18 31				.31 .31	YES YES		12 12	
E 109R			K24-8 K39-4	18 31				.31 .31	YES YES		12 12	
E 110	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 110A	1		SHLD E110 E66	 56				.25 .25	NO NO		 6, 8	
E 110B	1		P76-C18 SHLD E110	104				.12 .25	NO NO		13	
E 110L			K24-16 P76-C17	18 104				.31 .12	YES NO		12 13	
E 110R			K24-13 P76-C16	18 104				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 111	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 111A	1		SHLD E111 E66	 56				.25 .25	NO NO			
E 111B	1		E83 SHLD E111	73				.38 .25	NO NO			
E 111L			K24-17 K39-10	18 31				.31 .31	YES YES		12 12	
E 111R			K24-14 K39-13	18 31				.31 .31	YES YES		12 12	
E 112	2		K25-1 P70-A13	19 95				.31 .12	YES NO		12 13	
E 113	2		K25-2 P70-A14	19 95				.31 .12	YES NO		12 13	
E 114	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 114A	1		SHLD E114 E67	 57				.25 .38	NO NO			
E 114L			K25-10 P73-C8	19 100				.31 .12	YES NO		12 13	
E 114R			K25-13 P73-C7	19 100				.31 .12	YES NO		12 13	
E 115	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 137Y			K30-3 P74-B28	22 101				.31 .22	YES NO		12 24	
E 138	2		K31-1 P81-B14	23 90				.31 .12	YES NO		12 13	
E 139	2		K31-2 P82-A31	23 91				.31 .12	YES NO		12 13	
E 140	2		P82-E31 P82-E32	3 3				.12 .12	NO NO		13 13	
E 141	2		P82-C30 P82-D31	3 94				.12 .12	NO NO		13 13	
E 142			DELETED									
E 142A			DELETED									
E 142B			DELETED									
E 142L			DELETED									
E 142R			DELETED									
E 143	3				3.30 3.80	3.00 3.50						
E 143A	1		SHLD E143 E69	 59				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 35 OF 80

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 143B	1		P73-E14 SHLD E143	1				.12 .25	NO NO		13	
E 143L			K31-8 P73-E13	23 1				.31 .12	YES NO		12 13	
E 143R			K31-5 P73-E12	23 1				.31 .12	YES NO		12 13	
E 144			DELETED									
E 144A			DELETED									
E 144B			DELETED									
E 144L			DELETED									
E 144R			DELETED									
E 145	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 145A	1		SHLD E145 E70	 60				.25 .25	NO NO			
E 145B	1		P73-E11 SHLD E145	1				.12 .25	NO NO		13	
E 145L			K31-14 P73-E10	23 1				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 36 OF 80

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 145R			K31-11 P73-E9	23 1				.31 .12	YES NO		12 13	
E 146	2		K32-1 P71-A3	24 96				.31 .12	YES NO		12 13	
E 147	2		K32-2 P82-E26	24 3				.31 .12	YES NO		12 13	
E 148	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 148A	1		SHLD E148 E71	 61				.25 .25	NO NO		 6, 8	
E 148B	1		P73-C25 SHLD E148	100				.12 .25	NO NO		13	
E 148L			K32-7 P73-C24	24 100				.31 .12	YES NO		12 13	
E 148R			K32-4 P73-C23	24 100				.31 .12	YES NO		12 13	
E 149	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 149A	1		SHLD E149 E71	 61				.25 .25	NO NO			
E 149B	1		P73-E6 SHLD E149	1				.12 .25	NO NO		13	
E 149L			K32-8 P73-E5	24 1				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 37 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 149R			K32-5 P73-E4	24 1				.31 .12	YES NO		12 13	
E 150	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 150A	1		SHLD E150 E72	 62				.25 .25	NO NO		 6, 8	
E 150B	1		P73-C28 SHLD E150	100				.12 .25	NO NO		13	
E 150L			K32-13 P73-C27	24 100				.31 .12	YES NO		12 13	
E 150R			K32-10 P73-C26	24 100				.31 .12	YES NO		12 13	
E 151	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 151A	1		SHLD E151 E72	 62				.25 .25	NO NO			
E 151B	1		P73-E3 SHLD E151	1				.12 .25	NO NO		13	
E 151L			K32-14 P73-E2	24 1				.31 .12	YES NO		12 13	
E 151R			K32-11 P73-E1	24 1				.31 .12	YES NO		12 13	
E 152	2		K32-3 P82-A9	24 91				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 38 OF 80

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 153	2		K32-6	24				.31	YES		12	
			P82-B9	92				.12	NO		13	
E 154	2		K32-9	24				.31	YES		12	
			P82-C10	93				.12	NO		13	
E 155	2		K32-12	24				.31	YES		12	
			P82-D10	94				.12	NO		13	
E 156	2		K33-1	25				.31	YES		12	
			P71-A2	96				.12	NO		13	
E 157	2		K33-2	25				.31	YES		12	
			P82-E25	3				.12	NO		13	
E 158	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 158A	1		SHLD E158					.25	NO			
			E73	63				.25	NO		6, 8	
E 158B	1		P73-C19	100				.12	NO		13	
			SHLD E158					.25	NO			
E 158L			K33-7	25				.31	YES		12	
			P73-C18	100				.12	NO		13	
E 158R			K33-4	25				.31	YES		12	
			P73-C17	100				.12	NO		13	
E 159	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 159A	1		SHLD E159					.25	NO			
			E73	63				.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 159B	1		P81-B32	90				.12	NO		13	
			SHLD E159					.25	NO			
E 159L			K33-8	25				.31	YES		12	
			P81-B31	90				.12	NO		13	
E 159R			K33-5	25				.31	YES		12	
			P81-B30	90				.12	NO		13	
E 160	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 160A	1		SHLD E160					.25	NO			
			E74	64				.25	NO		6, 8	
E 160B	1		P73-C22	100				.12	NO		13	
			SHLD E160					.25	NO			
E 160L			K33-13	25				.31	YES		12	
			P73-C21	100				.12	NO		13	
E 160R			K33-10	25				.31	YES		12	
			P73-C20	100				.12	NO		13	
E 161	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 161A	1		SHLD E161					.25	NO			
			E74	64				.25	NO			
E 161B	1		P81-B29	90				.12	NO		13	
			SHLD E161					.25	NO			
E 161L			K33-14	25				.31	YES		12	
			P81-B28	90				.12	NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 161R			K33-11	25				.31	YES		12	
			P81-B27	90				.12	NO		13	
E 162	2		K33-3	25				.31	YES		12	
			P82-B11	92				.12	NO		13	
E 163	2		K33-6	25				.31	YES		12	
			P82-C11	93				.12	NO		13	
E 164	2		K33-9	25				.31	YES		12	
			P82-D12	94				.12	NO		13	
E 165	2		K33-12	25				.31	YES		12	
			P82-E12	3				.12	NO		13	
E 166	2		K34-1	26				.31	YES		12	
			P71-A1	96				.12	NO		13	
E 167	2		K34-2	26				.31	YES		12	
			P82-D25	94				.12	NO		13	
E 168	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 168A	1		SHLD E168					.25	NO			
			E75	65				.25	NO		6, 8	
E 168B	1		P73-C13	100				.12	NO		13	
			SHLD E168					.25	NO			
E 168L			K34-7	26				.31	YES		12	
			P73-C12	100				.12	NO		13	
E 168R			K34-4	26				.31	YES		12	
			P73-C11	100				.12	NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 169	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 169A	1		SHLD E169					.25	NO			
			E75	65				.25	NO			
E 169B	1		P81-B6	90				.12	NO		13	
			SHLD E169					.25	NO			
E 169L			K34-8	26				.31	YES		12	
			P81-B5	90				.12	NO		13	
E 169R			K34-5	26				.31	YES		12	
			P81-B4	90				.12	NO		13	
E 170	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 170A	1		SHLD E170					.25	NO			
			E76	66				.25	NO		6, 8	
E 170B	1		P73-C16	100				.12	NO		13	
			SHLD E170					.25	NO			
E 170L			K34-13	26				.31	YES		12	
			P73-C15	100				.12	NO		13	
E 170R			K34-10	26				.31	YES		12	
			P73-C14	100				.12	NO		13	
E 171	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 171A	1		SHLD E171					.25	NO			
			E76	66				.25	NO			

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 171B	1		P81-B3 SHLD E171	90				.12 .25	NO NO		13	
E 171L			K34-14 P81-B2	26 90				.31 .12	YES NO		12 13	
E 171R			K34-11 P81-B1	26 90				.31 .12	YES NO		12 13	
E 172	2		K34-3 P82-B13	26 92				.31 .12	YES NO		12 13	
E 173	2		K34-6 P82-C13	26 93				.31 .12	YES NO		12 13	
E 174	2		K34-9 P82-D14	26 94				.31 .12	YES NO		12 13	
E 175	2		K34-12 P82-E14	26 3				.31 .12	YES NO		12 13	
E 176	2		K35-1 P74-C27	27 102				.31 .12	YES NO		12 13	
E 177	2		K35-2 P82-B31	27 92				.31 .12	YES NO		12 13	
E 178	2		K35-16 P82-C31	27 93				.31 .12	YES NO		12 13	
E 179	2		K35-15 P82-D4	27 94				.31 .12	YES NO		12 13	
E 180	2		K35-18 P82-E3	27 3				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 43 OF 80

MIL 2084 9-65

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 181	2		K35-19 P79-B18	27 86				.31 .12	YES NO		12 13	
E 182	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 182A	1		SHLD E182 E77	 67				.25 .25	NO NO		 6, 8	
E 182B	1		P74-C6 SHLD E182	102				.12 .25	NO NO		13	
E 182L			K35-7 P74-C5	27 102				.31 .12	YES NO		12 13	
E 182R			K35-4 P74-C4	27 102				.31 .12	YES NO		12 13	
E 183	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 183A	1		SHLD E183 E77	 67				.25 .25	NO NO			
E 183B	1		P74-B6 SHLD E183	101				.12 .25	NO NO		13	
E 183L			K35-6 P74-B5	27 101				.31 .12	YES NO		12 13	
E 183R			K35-5 P74-B4	27 101				.31 .12	YES NO		12 13	
E 184	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 44 OF 80

MIL 2084 9-65

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 184A	1		SHLD E184 E78	 68				.25 .25	NO NO		 6, 8	
E 184B	1		P74-C3 SHLD E184	102				.12 .25	NO NO		13	
E 184L			K35-13 P74-C2	27 102				.31 .12	YES NO		12 13	
E 184R			K35-10 P74-C1	27 102				.31 .12	YES NO		12 13	
E 185	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 185A	1		SHLD E185 E78	 68				.25 .25	NO NO			
E 185B	1		P74-B3 SHLD E185	101				.12 .25	NO NO		13	
E 185L			K35-14 P74-B2	27 101				.31 .12	YES NO		12 13	
E 185R			K35-11 P74-B1	27 101				.31 .12	YES NO		12 13	
E 186	2		K36-1 P74-B32	28 101				.31 .12	YES NO		12 13	
E 187	2		K36-2 P82-B30	28 92				.31 .12	YES NO		12 13	
E 188	2		K36-16 P82-E29	28 3				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 45 OF 80

MIL 2084 9-65

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 189	2		K36-15 P82-D6	28 94				.31 .12	YES NO		12 13	
E 190	2		K36-18 P82-B5	28 92				.31 .12	YES NO		12 13	
E 191	2		K36-19 P79-C18	28 87				.31 .12	YES NO		12 13	
E 192	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 192A	1		SHLD E192 E79	 69				.25 .25	NO NO		 6, 8	
E 192B	1		P74-C12 SHLD E192	102				.12 .25	NO NO		13	
E 192L			K36-7 P74-C11	28 102				.31 .12	YES NO		12 13	
E 192R			K36-4 P74-C10	28 102				.31 .12	YES NO		12 13	
E 193	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 193A	1		SHLD E193 E79	 69				.25 .25	NO NO			
E 193B	1		P74-B12 SHLD E193	101				.12 .25	NO NO		13	
E 193L			K36-8 P74-B11	28 101				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 46 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 193R			K36-5 P74-B10	28 101				.31 .12	YES NO		12 13	
E 194	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 194A	1		SHLD E194 E80	 70				.25 .25	NO NO		 6, 8	
E 194B	1		P74-C9 SHLD E194	102				.12 .25	NO NO		13	
E 194L			K36-13 P74-C8	28 102				.31 .12	YES NO		12 13	
E 194R			K36-10 P74-C7	28 102				.31 .12	YES NO		12 13	
E 195	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 195A	1		SHLD E195 E80	 70				.25 .25	NO NO			
E 195B	1		P74-B9 SHLD E195	101				.12 .25	NO NO		13	
E 195L			K36-14 P74-B8	28 101				.31 .12	YES NO		12 13	
E 195R			K36-11 P74-B7	28 101				.31 .12	YES NO		12 13	
E 196	2		K37-1 P74-C30	29 102				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 47 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 197	2		K37-2 P82-A30	29 91				.31 .12	YES NO		12 13	
E 198	2		K37-19 P79-B17	29 86				.31 .12	YES NO		12 13	
E 199	2		K37-16 P82-A29	29 91				.31 .12	YES NO		12 13	
E 200	2		K37-18 P82-B7	29 92				.31 .12	YES NO		12 13	
E 201	2		K37-15 P82-D8	29 94				.31 .12	YES NO		12 13	
E 202	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 202A	1		SHLD E202 E81	 71				.25 .25	NO NO		 6, 8	
E 202B	1		P74-C18 SHLD E202	102				.12 .25	NO NO		13	
E 202L			K37-7 P74-C17	29 102				.31 .12	YES NO		12 13	
E 202R			K37-4 P74-C16	29 102				.31 .12	YES NO		12 13	
E 203	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 203A	1		SHLD E203 E81	 71				.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 48 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 203B	1		P74-B18 SHLD E203	101				.12 .25	NO NO		13	
E 203L			K37-8 P74-B17	29 101				.31 .12	YES NO		12 13	
E 203R			K37-5 P74-B16	29 101				.31 .12	YES NO		12 13	
E 204	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 204A	1		SHLD E204 E82	 72				.25 .25	NO NO		 6, 8	
E 204B	1		P74-C15 SHLD E204	102				.12 .25	NO NO		13	
E 204L			K37-13 P74-C14	29 102				.31 .12	YES NO		12 13	
E 204R			K37-10 P74-C13	29 102				.31 .12	YES NO		12 13	
E 205	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 205A	1		SHLD E205 E82	 72				.25 .25	NO NO			
E 205B	1		P74-B15 SHLD E205	101				.12 .25	NO NO		13	
E 205L			K37-14 P74-B14	29 101				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 49 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 205R			K37-11 P74-B13	29 101				.31 .12	YES NO		12 13	
E 206	2		P82-D30 P82-C29	94 93				.12 .12	NO NO		13 13	
E 207	2		P82-C28 P82-D29	93 94				.12 .12	NO NO		13 13	
E 208	2		K38-1 P76-C23	30 104				.31 .12	YES NO		12 13	
E 209	2		K38-2 P82-A27	30 91				.31 .12	YES NO		12 13	
E 210	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 210A	1		SHLD E210 E83	 73				.25 .38	NO NO			
E 210L			K38-6 P81-A18	30 89				.31 .12	YES NO		12	
E 210R			K38-3 P81-A17	30 89				.31 .12	YES NO		12	
E 211			DELETED									
E 211A			DELETED									
E 211L			DELETED									

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 50 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 211R			DELETED									
E 212	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 212A	1		SHLD 212 E83	 73				.25 .25	NO NO			
E 212L			K38-9 P81-A20	30 89				.31 .12	YES NO		12	
E 212R			K38-12 P81-A19	30 89				.31 .12	YES NO		12	
E 213			DELETED									
E 213A			DELETED									
E 213L			DELETED									
E 213R			DELETED									
E 214	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 214A	1		SHLD E214 E83	 73				.25 .25	NO NO			
E 214L			K39-6 P81-B18	31 90				.31 .12	YES NO		12	

SIZE A | CODE IDENT NO. 99974 | 2900731
SCALE-NONE | REV LTR H | SHEET 51 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 214R			K39-3 P81-B17	31 90				.31 .12	YES NO		12	
E 215	2		K39-1 P76-C32	31 104				.31 .12	YES NO		12 13	
E 216	2		K39-2 P82-B27	31 92				.31 .12	YES NO		12 13	
E 217			DELETED									
E 217A			DELETED									
E 217L			DELETED									
E 217R			DELETED									
E 218	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 218A	1		SHLD E218 E83	 73				.25 .38	NO NO			
E 218L			K39-9 P81-B20	31 90				.31 .12	YES NO		12	
E 218R			K39-12 P81-B19	31 90				.31 .12	YES NO		12	
E 219			DELETED									

SIZE A | CODE IDENT NO. 99974 | 2900731
SCALE-NONE | REV LTR H | SHEET 52 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 219A			DELETED									
E 219L			DELETED									
E 219R			DELETED									
E 220			DELETED									
E 220A			DELETED									
E 220L			DELETED									
E 220R			DELETED									
E 221	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 221A	1		SHLD E221 E83	 73				.25 .38	NO NO			
E 221L			K40-6 P81-F18	32 2				.31 .12	YES NO		12 13	
E 221R			K40-3 P81-F17	32 2				.31 .12	YES NO		12 13	
E 222	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	

SIZE A | CODE IDENT NO. 99974 | 2900731
SCALE-NONE | REV LTR H | SHEET 53 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 222A	1		SHLD E222 E83	 73				.25 .38	NO NO			
E 222L			K40-9 P81-F20	32 2				.31 .12	YES NO		12 13	
E 222R			K40-12 P81-F19	32 2				.31 .12	YES NO		12 13	
E 223	2		K40-1 P76-C31	32 104				.31 .12	YES NO		12 13	
E 224	2		K40-2 P82-C27	32 93				.31 .12	YES NO		12 13	
E 225	2		K42-1 P82-A24	33 91				.31 .12	YES NO		12 13	
E 226	2		K42-2 P79-D32	33 88				.31 .12	YES NO		12 13	
E 227	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 227A	1		SHLD E227 E84	 74				.25 .25	NO NO		 6, 8	
E 227B	1		P79-B11 SHLD E227	86				.12 .25	NO NO		13	
E 227L			K42-16 P79-B10	33 86				.31 .12	YES NO		12 13	
E 227R			K42-19 P79-B9	33 86				.31 .12	YES NO		12 13	

SIZE A | CODE IDENT NO. 99974 | 2900731
SCALE-NONE | REV LTR H | SHEET 54 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 228	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 228A	1		SHLD E228 E84	 74				.25 .25	NO NO			
E 228B	1		P71-C3 SHLD E228	97				.12 .25	NO NO		13	
E 228L			K42-15 P71-C2	33 97				.31 .12	YES NO		12 13	
E 228R			K42-18 P71-C1	33 97				.31 .12	YES NO		12 13	
E 229	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 229A	1		SHLD E229 E85	 75				.25 .25	NO NO		 6, 8	
E 229B	1		P79-B14 SHLD E229	86				.12 .25	NO NO		13	
E 229L			K42-10 P79-B13	33 86				.31 .12	YES NO		12 13	
E 229R			K42-13 P79-B12	33 86				.31 .12	YES NO		12 13	
E 230	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 230A	1		SHLD E230 E85	 75				.25 .25	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 230B	1		P71-C6 SHLD E230	97				.12 .25	NO NO		13	
E 230L			K42-9 P71-C5	33 97				.31 .12	YES NO		12 13	
E 230R			K42-12 P71-C4	33 97				.31 .12	YES NO		12 13	
E 231	2		K42-3 P71-C7	33 97				.31 .12	YES NO		12 13	
E 232	2		K42-4 P79-D31	33 88				.31 .12	YES NO		12 13	
E 233	2		P79-D17 P82-E24	88 3				.12 .12	NO NO		13 13	
E 234	2		P82-D24 P82-E23	88 3				.12 .12	NO NO		13 13	
E 235	2		K43-1 P79-B16	34 86				.31 .12	YES NO		12 13	
E 236	2		K43-2 P82-B29	34 92				.31 .12	YES NO		12 13	
E 237	2		K43-4 P71-D7	34 98				.31 .12	YES NO		12 13	
E 238	2		K43-5 P71-C8	34 97				.31 .12	YES NO		12 13	
E 239	2		K43-11 P71-C9	34 97				.31 .12	YES NO		12 13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 240	2		K43-14 P71-D9	34 98				.31 .12	YES NO		12 13	
E 241	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 241A	1		SHLD E241 E86	 76				.25 .25	NO NO		 6, 8	
E 241B	1		P71-D3 SHLD E241	98				.12 .25	NO NO		13	
E 241L			K43-16 P71-D2	34 98				.31 .12	YES NO		12 13	
E 241R			K43-19 P71-D1	34 98				.31 .12	YES NO		12 13	
E 242	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 242A	1		SHLD E242 E86	 76				.25 .25	NO NO			
E 242L			K43-17 P82-B21	34 92				.31 .12	YES NO		12 13	
E 242R			K43-20 P82-B18	34 92				.31 .12	YES NO		12 13	
E 243	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 243B	1		P71-D6 SHLD E243	98				.12 .25	NO NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 243L			K43-10 P71-D5	34 98				.31 .12	YES NO		12 13	
E 243R			K43-13 P71-D4	34 98				.31 .12	YES NO		12 13	
E 244	2		K44-1 P82-B24	35 92				.31 .12	YES NO		12 13	
E 245	2		K44-2 P79-C31	35 87				.31 .12	YES NO		12 13	
E 246	2		K44-3 P71-C10	35 97				.31 .12	YES NO		12 13	
E 247	2		K44-4 P74-B30	35 101				.31 .12	YES NO		12 13	
E 248	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 248A	1		SHLD E248 E87	 77				.25 .25	NO NO		 6, 8	
E 248B	1		P73-B32 SHLD E248	99				.31 .25	YES NO		13	
E 248L			K44-16 P73-B31	35 99				.31 .12	YES NO		12 13	
E 248R			K44-19 P73-B30	35 99				.31 .12	YES NO		12 13	
E 249	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 249A	1		SHLD E249 E87	 77				.25 .25	NO NO			
E 249B	1		P71-C13 SHLD E249	97				.12 .25	NO NO		13	
E 249L			K44-15 P71-C12	35 97				.31 .12	YES NO		12 13	
E 249R			K44-18 P71-C11	35 97				.31 .12	YES NO		12 13	
E 250	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 250A	1		SHLD E250 E88	 78				.25 .25	NO NO		 6, 8	
E 250B	1		P73-B29 SHLD E250	99				.12 .25	NO NO		13	
E 250L			K44-10 P73-B28	35 99				.31 .12	YES NO		12 13	
E 250R			K44-13 P73-B27	35 99				.31 .12	YES NO		12 13	
E 251	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 251A	1		SHLD E251 E88	 78				.25 .25	NO NO			
E 251B	1		P71-C16 SHLD E251	97				.12 .25	NO NO		13	

SIZE	CODE IDENT NO.		
A	99974	2900731	
SCALE-NONE	REV LTR	H	SHEET 59 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 251L			K44-9 P71-C15	35 97				.31 .12	YES NO		12 13	
E 251R			K44-12 P71-C14	35 97				.31 .12	YES NO		12 13	
E 252	2		K45-1 P79-C16	36 87				.31 .12	YES NO		12 13	
E 253	2		K45-2 P82-E28	36 3				.31 .12	YES NO		12 13	
E 254	2		K45-5 P71-D8	36 98				.31 .12	YES NO		12 13	
E 255	2		K45-4 P71-D10	36 98				.31 .12	YES NO		12 13	
E 256	2		K45-3 P74-C32	36 102				.31 .12	YES NO		12 13	
E 257	2		K45-11 P71-C17	36 97				.31 .12	YES NO		12 13	
E 258	2		K45-14 P71-D17	36 98				.31 .12	YES NO		12 13	
E 259	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 259A	1		SHLD E259 E89	 79				.25 .25	NO NO		 6, 8	
E 259B	1		P71-D13 SHLD E259	98				.12 .25	NO NO		13	

SIZE	CODE IDENT NO.		
A	99974	2900731	
SCALE-NONE	REV LTR	H	SHEET 60 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 259L			K45-16 P71-D12	36 98				.31 .12	YES NO		12 13	
E 259R			K45-19 P71-D11	36 98				.31 .12	YES NO		12 13	
E 260	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 260A	1		SHLD E260 E89	 79				.25 .25	NO NO			
E 260L			K45-17 P82-D19	36 94				.31 .12	YES NO		12 13	
E 260R			K45-20 P82-D20	36 94				.31 .12	YES NO		12 13	
E 261	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 261B	1		P71-D16 SHLD E261	98				.12 .25	NO NO		13	
E 261L			K45-10 P71-D15	36 98				.31 .12	YES NO		12 13	
E 261R			K45-13 P71-D14	36 98				.31 .12	YES NO		12 13	
E 262	2		K46-1 P82-C24	37 93				.31 .12	YES NO		12 13	
E 263	2		K46-2 P79-B32	37 86				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.		
A	99974	2900731	
SCALE-NONE	REV LTR	H	SHEET 61 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 264	2		K46-3 P71-C18	37 97				.31 .12	YES NO		12 13	
E 265	2		K46-4 P79-B31	37 86				.31 .12	YES NO		12 13	
E 266	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 266A	1		SHLD E266 E90	 80				.25 .25	NO NO		 6, 8	
E 266B	1		P79-B5 SHLD E266	86				.12 .25	NO NO		13	
E 266L			K46-16 P79-B4	37 86				.31 .12	YES NO		12 13	
E 266R			K46-19 P79-B3	37 86				.31 .12	YES NO		12 13	
E 267	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 267A	1		SHLD E267 E90	 80				.25 .25	NO NO			
E 267B	1		P71-C21 SHLD E267	97				.12 .25	NO NO		13	
E 267L			K46-15 P71-C20	37 97				.31 .12	YES NO		12 13	
E 267R			K46-18 P71-C19	37 97				.31 .12	YES NO		12 13	

SIZE	CODE IDENT NO.		
A	99974	2900731	
SCALE-NONE	REV LTR	H	SHEET 62 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 268	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 268A	1		SHLD E268					.25	NO			
			E91	81				.25	NO		6, 8	
E 268B	1		P79-B8	86				.12	NO		13	
			SHLD E268					.25	NO			
E 268L			K46-10	37				.31	YES		12	
			P79-B7	86				.12	NO		13	
E 268R			K46-13	37				.31	YES		12	
			P79-B6	86				.12	NO		13	
E 269	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 269A	1		SHLD E269					.25	NO			
			E91	81				.25	NO			
E 269B	1		P71-C24	97				.12	NO		13	
			SHLD E269					.25	NO			
E 269L			K46-9	37				.31	YES		12	
			P71-C23	97				.12	NO		13	
E 269R			K46-12	37				.31	YES		12	
			P71-C22	97				.12	NO		13	
E 270	2		K47-1	38				.31	YES		12	
			P79-B15	86				.12	NO		13	
E 271	2		K47-2	38				.31	YES		12	
			P82-B28	92				.12	NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 272	2		K47-5	38				.31	YES		12	
			P71-C25	97				.12	NO		13	
E 273	2		K47-4	38				.31	YES		12	
			P71-D18	98				.12	NO		13	
E 274	2		K47-11	38				.31	YES		12	
			P71-C26	97				.12	NO		13	
E 275	2		K47-14	38				.31	YES		12	
			P71-D26	98				.12	NO		13	
E 276	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 276A	1		SHLD E276					.25	NO			
			E92	82				.25	NO		6, 8	
E 276B	1		P71-D21	98				.12	NO		13	
			SHLD E276					.25	NO			
E 276L			K47-16	38				.31	YES		12	
			P71-D20	98				.12	NO		13	
E 276R			K47-19	38				.31	YES		12	
			P71-D19	98				.12	NO		13	
E 277	3				3.30	3.00				B,7	9	
					3.60	3.50				A,6B	7, 9	
E 277B	1		P71-D24	98				.12	NO		13	
			SHLD E277					.25	NO			
E 277L			K47-10	38				.31	YES		12	
			P71-D23	98				.12	NO		13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 277R			K47-13	38				.31	YES		12	
			P71-D22	98				.12	NO		13	
E 278	3				3.30	3.00				A,6A	7, 9	
					3.60	3.50				B,7	9	
E 278A	1		SHLD E278					.25	NO			
			E92	82				.25	NO			
E 278L			K47-17	38				.31	YES		12	
			P82-C21	93				.12	NO		13	
E 278R			K47-20	38				.31	YES		12	
			P82-C18	93				.12	NO		13	
E 279	2		K48-1	39				.31	YES		12	
			P82-C23	93				.12	NO		13	
E 280	2		K48-2	39				.31	YES		12	
			P79-C32	87				.12	NO		13	
E 281	2		K48-3	39				.31	YES		12	
			P71-C27	97				.12	NO		13	
E 282	2		K48-4	39				.31	YES		12	
			P74-B29	101				.12	NO		13	
E 283	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 283A	1		SHLD E283					.25	NO			
			E93	83				.25	NO		6, 8	
E 283B	1		P73-B26	99				.12	NO		13	
			SHLD E283					.25	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 283L			K48-16	39				.31	YES		12	
			P73-B25	99				.12	NO		13	
E 283R			K48-19	39				.31	YES		12	
			P73-B24	99				.12	NO		13	
E 284	3				3.30	3.00				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 284A	1		SHLD E284					.25	NO			
			E93	83				.25	NO			
E 284B	1		P71-C30	97				.12	NO		13	
			SHLD E285					.25	NO			
E 284L			K48-15	39				.31	YES		12	
			P71-C29	97				.12	NO		13	
E 284R			K48-18	39				.31	YES		12	
			P71-C28	97				.12	NO		13	
E 285	3				3.30	3.00				A,6A	7, 9	
					3.60	3.50				A,6B	7, 9	
E 285A	1		SHLD E285					.25	NO			
			E94	84				.25	NO		6, 8	
E 285B	1		P73-B23	99				.12	NO		13	
			SHLD E285					.25	NO			
E 285L			K48-10	39				.31	YES		12	
			P73-B22	99				.12	NO		13	
E 285R			K48-13	39				.31	YES		12	
			P73-B21	99				.12	NO		13	

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 286	3				3.80 3.80	3.50 3.50				A,6A A,6B	7, 9 7, 9	
E 286A	1		SHLD E286 E94	 84				.25 .25	NO NO			
E 286B	1		P82-A17 SHLD E286	91				.12 .25	NO NO		13	
E 286L			K48-9 P82-A16	39 91				.31 .12	YES NO		12 13	
E 286R			K48-12 P82-A15	39 91				.31 .12	YES NO		12 13	
E 287	2		K49-1 P79-C15	40 87				.31 .12	YES NO		12 13	
E 288	2		K49-2 P82-A28	40 91				.31 .12	YES NO		12 13	
E 289	2		K49-5 P71-D25	40 98				.31 .12	YES NO		12 13	
E 290	2		K49-4 P71-D27	40 98				.31 .12	YES NO		12 13	
E 291	2		K49-3 P74-C31	40 102				.31 .12	YES NO		12 13	
E 292	2		K49-11 P71-C31	40 97				.31 .12	YES NO		12 13	
E 293	2		K49-14 P71-D31	40 98				.31 .12	YES NO		12 13	

SIZE A
CODE IDENT NO. 99974
2900731
SCALE-NONE
REV LTR H
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WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 294	3				3.30 3.80	3.00 3.50				A,6A A,6B	7, 9 7, 9	
E 294A	1		SHLD E294 E95	 85				.25 .25	NO NO		 6, 8	
E 294B	1		P71-D30 SHLD E294	98				.12 .25	NO NO		13	
E 294L			K49-16 P71-D29	40 98				.31 .12	YES NO		12 13	
E 294R			K49-19 P71-D28	40 98				.31 .12	YES NO		12 13	
E 295	3				3.30 3.80	3.00 3.50				A,6A B,7	7, 9 9	
E 295A	1		SHLD E295 E95	 85				.25 .25	NO NO			
E 295L			K49-17 P82-E19	40 3				.31 .12	YES NO		12 13	
E 295R			K49-20 P82-E20	40 3				.31 .12	YES NO		12 13	
E 296	3				3.30 3.80	3.00 3.50				B,7 A,6B	9 7, 9	
E 296B	1		P82-B17 SHLD E296	92				.12 .25	NO NO		13	
E 296L			K49-10 P82-B16	40 92				.31 .12	YES NO		12 13	

SIZE A
CODE IDENT NO. 99974
2900731
SCALE-NONE
REV LTR H
SHEET 68 OF 80

MIL 2084 9-65

WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 296R			K49-13 P82-B15	40 92				.31 .12	YES NO		12 13	
E 297	2		P82-C26 P82-D27	93 94				.12 .12	NO NO		13 13	
E 298	2		E83 P79-C26	73 87				.38 .12	NO NO		 13	
E 299	2		E67 P79-D26	57 88				.38 .12	NO NO		 13	
E 300	2		E68 P75-C32	58 103				.38 .12	NO NO		 13	
E 301			DELETED									
E 301A			DELETED									
E 301L			DELETED									
E 301R			DELETED									
E 302	1		K28-1 P71-C32	20 96				.31 .12	YES NO		12 13	
E 303	1		K28-7 P71-D32	20 96				.31 .12	YES NO		12 13	
E 304	1		K28-5 P70-A20	20 95				.31 .12	YES NO		12 13	

SIZE A
CODE IDENT NO. 99974
2900731
SCALE-NONE
REV LTR H
SHEET 69 OF 80

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WIRING HARNESS E 2900731 H

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 305	1		K28-6 P70-A21	20 95				.31 .12	YES NO		12 13	
E 306	1		K11-15 P81-B13	5 90				.31 .12	YES NO		12 13	
E 307	1		K11-16 P81-A7	5 89				.31 .12	YES NO		12 13	
E 308	1		K13-15 P81-A14	7 89				.31 .12	YES NO		12 13	
E 309	1		K13-16 P81-B10	7 90				.31 .12	YES NO		12 13	
E 310	1		K13-19 P81-F10	7 2				.31 .12	YES NO		 13	
E 311	1		K11-19 P81-F7	5 2				.31 .12	YES NO		 13	
E 312	1		K34-1 K34-16	26 26				.31 .31	YES YES		 12	
E 313	1		K33-1 K33-16	25 25				.31 .31	YES YES		 12	
E 314	1		K32-1 K32-16	24 24				.31 .31	YES YES		 12	
E 315	1		K13-18 K11-18	7 5				.31 .31	YES YES		12 12	
E 316	1		K11-18 P81-A15	5 89				.31 .12	YES NO		 13	

SIZE A
CODE IDENT NO. 99974
2900731
SCALE-NONE
REV LTR H
SHEET 70 OF 80

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 317	1		K32-15	24				.31	YES		12	
			K33-15	25				.31	YES		12	
E 318	1		K33-15	25				.31	YES			
			K34-15	26				.31	YES		12	
E 319	1		K34-15	26				.31	YES			
			P81-A16	89				.12	NO		13	
E 320	1		P81-F15	2				.12	NO		13	
			P81-F16	2				.12	NO		13	
E 321	1		K38-14	30				.31	YES		12	
			K38-15	30				.31	YES		12	
E 322	1		K38-5	30				.31	YES		12	
			K38-18	30				.31	YES		12	
E 323	3				3.80	3.50				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	
E 323A	1		SHLD E323					.25	NO			
			E96-B	73A				.38	NO			
E 323B	1		P81-A3	89				.12	NO		13	
			SHLD E323					.25	NO			
E 323L			K38-10	30				.31	YES			
			P81-A2	89				.12	NO		13	
E 323R			K38-14	30				.31	YES		12	
			P81-A1	89				.12	NO		13	
E 324	3				3.80	3.50				A,6A	7, 9	
					3.80	3.50				A,6B	7, 9	

SIZE A	CODE IDENT NO. 99974	2900731
SCALE-NONE	REV LTR H	SHEET 71 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 324A	1		SHLD E324					.25	NO			
			E96-B	73A				.38	NO			
E 324B	1		P81-A6	89				.12	NO		13	
			SHLD E324					.25	NO			
E 324L			K38-8	30				.31	YES		12	
			P81-A5	89				.12	NO		13	
E 324R			K38-5	30				.31	YES			
			P81-A4	89				.12	NO		13	
E 325	1		K19-16	13				.31	YES		12	
			K20-16	14				.31	YES		12	
E 326	1		K19-19	13				.31	YES		12	
			K20-19	14				.31	YES		12	
E 327	1		K38-16	30				.31	YES		12	
			K39-16	31				.31	YES		12	
E 328	1		K39-16	31				.31	YES			
			K40-16	32				.31	YES		12	
E 329	1		K38-19	30				.31	YES			
			K39-19	31				.31	YES		12	
E 330	1		K39-19	31				.31	YES			
			K40-19	32				.31	YES		12	
E 331	26				3.80	3.50				A,6B	7, 8	
					3.80	3.50				B,7	8	
E 331A	1		SHLD E331					.25	NO			
			E96-B	73A				.38	NO			

SIZE A	CODE IDENT NO. 99974	2900731
SCALE-NONE	REV LTR H	SHEET 72 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 331W			K40-16	32				.31	YES			
			P74-C19	102				.12	NO		13	
E 332	26				3.30	3.00				A,6B	7, 8	
					3.80	3.50				B,7	8	
E 332A	1		SHLD E332					.25	NO			
			E96-B	73A				.38	NO			
E 332W			K40-19	32				.31	YES		12	
			P74-C21	102				.12	NO		13	
E 333	26				3.30	3.00				B,7	8	
					3.30	3.00				A,6A	7, 8	
E 333B	1		E96-B	73A				.38	NO			
			SHLD E333					.25	NO			
E 333W			K20-16	14				.31	YES			
			K38-16	30				.31	YES			
E 334	26				3.30	3.00				B,7	8	
					3.30	3.00				A,6A	7, 8	
E 334B	1		E96-B	73A				.38	NO			
			SHLD E334					.25	NO			
E 334W			K20-19	14				.31	YES		12	
			K38-19	30				.31	YES		12	
E 335	1		K40-14	32				.31	YES		12	
			K40-15	32				.31	YES		12	
E 336	1		K40-5	32				.31	YES		12	
			K40-18	32				.31	YES		12	

SIZE A	CODE IDENT NO. 99974	2900731
SCALE-NONE	REV LTR H	SHEET 73 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 337	3				3.80	3.50				A,6A	7, 9	
					4.30	4.00				A,6B	7, 9	
E 337A	1		SHLD E337					.25	NO			
			E96-B	73A				.38	NO			
E 337B	1		P81-A29	89				.12	NO		13	
			SHLD E337					.25	NO			
E 337L			K40-10	32				.31	YES			
			P81-A28	89				.12	NO		13	
E 337R			K40-14	32				.31	YES		12	
			P81-A27	89				.12	NO		13	
E 338	3				3.80	3.50				A,6A	7, 9	
					4.30	4.00				A,6B	7, 9	
E 338A	1		SHLD E338					.25	NO			
			E96-B	73A				.38	NO			
E 338B	1		P81-A32	89				.12	NO		13	
			SHLD E338					.25	NO			
E 338L			K40-8	32				.31	YES		12	
			P81-A31	89				.12	NO		13	
E 338R			K40-5	32				.31	YES			
			P81-A30	89				.12	NO		13	
E 339	3				3.80	3.50				A,6A	7, 9	
					4.30	4.00				A,6B	7, 9	
E 339A	1		SHLD E339					.25	NO			
			E96-B	73A				.38	NO			

SIZE A	CODE IDENT NO. 99974	2900731
SCALE-NONE	REV LTR H	SHEET 74 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 339B	1		P73-B3 SHLD E339	99				.12 .25	NO NO		13	
E 339L			K39-10 P73-B2	31 99				.31 .12	YES NO		 13	
E 339R			K39-14 P73-B1	31 99				.31 .12	YES NO		12 13	
E 340	3				3.80 4.30	3.50 4.00				A,6A A,6B	7, 9 7, 9	
E 340A	1		SHLD E340 E96-8	 73A				.25 .38	NO NO			
E 340B	1		P73-B6 SHLD E340	99				.12 .25	NO NO		13	
E 340L			K39-8 P73-B5	31 99				.31 .12	YES NO		12 13	
E 340R			K39-5 P73-B4	31 99				.31 .12	YES NO		12 13	
E 341	1		K39-14 K39-15	31 31				.31 .31	YES YES		12 12	
E 342	1		K39-5 K39-18	31 31				.31 .31	YES YES		 12	
E 343	1		K27-1 P75-C15	20A 103				.31 .12	YES NO		12 13	
E 344	1		K27-2 P82-A26	20A 91				.31 .12	YES NO		12	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 75 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 345	3				3.80 4.30	3.50 4.00				A,6A B,7	7, 9 9	
E 345A	1		SHLD E345 E68	 58				.25	NO			
E 345L			K27-7 P79-B25	20A 86				.31 .12	YES NO		12 13	
E 345R			K27-4 P79-B24	20A 86				.31 .12	YES NO		12 13	
E 346	3				3.80 4.30	3.50 4.00				A,6A B,7	7, 9 9	
E 346A	1		SHLD E346 E68	 58				.25	NO			
E 346L			K27-6 P74-C23	20A 100				.31 .12	YES NO		12 13	
E 346R			K27-3 P74-C22	20A 100				.31 .12	YES NO		12 13	
E 347	2		K27-9 P75-C16	20A 103				.31 .12	YES NO		12 13	
E 348	2		K27-10 P79-C29	20A 87				.31 .12	YES NO		12 13	
E 349	1		E53 E68	43 58				.25 .31	NO NO			
E 350	1		E54 E68	44 58				.25 .31	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 76 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 351	1		E86 E68	76 58				.25 .31	NO NO			
E 352	1		E89 E68	79 58				.25 .38	NO NO			
E 353	1		E92 E68	82 58				.25 .38	NO NO			
E 354	1		E95 E68	85 58				.25 .38	NO NO			
E 355	1		K20-5 K20-18	14 14				.31 .31	YES YES		12 12	
E 356	1		K27-1 K27-13	20A 20A				.31 .31	YES YES		 12	
E 357	2		K27-12 P81-B16	20A 90				.31 .12	YES NO		12 13	
E 358	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 358A	1		SHLD E358 E52	 42				.25 .25	NO NO		 6, 8	
E 358L			K12-7 K20-8	6 14				.31 .31	YES YES		12 12	
E 358R			K12-4 K20-5	6 14				.31 .31	YES YES		12	
E 359	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 77 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 359A	1		SHLD E359 E51	 41				.25 .25	NO NO		 6, 8	
E 359L			K12-13 K20-13	6 14				.31 .31	YES YES		12	
E 359R			K12-10 K20-11	6 14				.31 .31	YES YES		12 12	
E 360	1		K20-11 K20-15	14 14				.31 .31	YES YES		 12	
E 361	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 361A	1		SHLD E361 E69	 59				.25 .25	NO NO		 6, 8	
E 361L			K31-7 K19-8	23 13				.31 .31	YES YES		12 12	
E 361R			K31-4 K19-5	23 13				.31 .31	YES YES		12 12	
E 362	3				3.80 3.80	3.50 3.50				A,6A B,7	7, 9 9	
E 362A	1		SHLD E362 E70	 60				.25 .25	NO NO		 6, 8	
E 362L			K31-13 K19-13	23 13				.31 .31	YES YES		12 12	
E 362R			K31-10 K19-11	23 13				.31 .31	YES YES		12 12	

SIZE	CODE IDENT NO.	
A	99974	2900731
SCALE-NONE	REV LTR H	SHEET 78 OF 80

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
E 363	1		K19-5	13				.31	YES			
			K19-18	13				.31	YES		12	
E 364	1		K19-11	13				.31	YES			
			K19-15	13				.31	YES		12	
E 365	2		E96-BB	73A				.38	NO			
			P79-B26	66				.12	NO		13	

REVISIONS

SYM	ZONE	DESCRIPTION	DATE	APPD
			CHG NO	

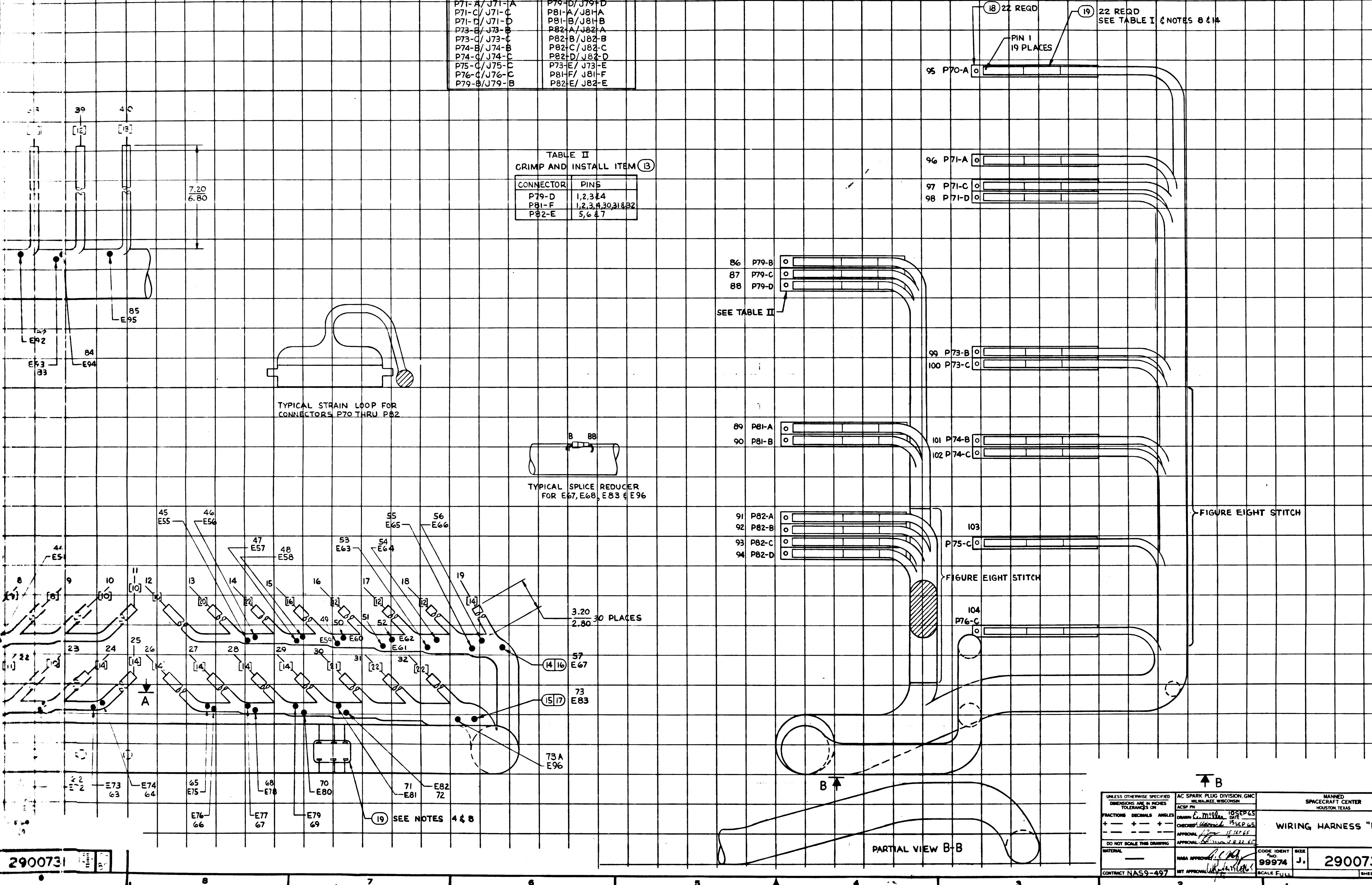
SEE SHEET I FOR REVISION RECORD

TABLE I

MARKING FOR IDENTIFICATION BANDS	
P70-A/J70-A	P79-C/J79-C
P71-A/J71-A	P79-D/J79-D
P71-C/J71-C	P81-A/J81-A
P71-D/J71-D	P81-B/J81-B
P73-B/J73-B	P82-A/J82-A
P73-C/J73-C	P82-B/J82-B
P74-B/J74-B	P82-C/J82-C
P74-C/J74-C	P82-D/J82-D
P75-C/J75-C	P73-E/J73-E
P76-C/J76-C	P81-F/J81-F
P79-B/J79-B	P82-E/J82-E

TABLE II
CRIMP AND INSTALL ITEM ⑬

CONNECTOR	PINS
P79-D	1,2,3&4
P81-F	1,2,3,4,30,31&32
P82-E	5,6&7



39
40
[12]
[13]
7.20
6.80
85
E95
E92
E93
83
84
E94
TYPICAL STRAIN LOOP FOR CONNECTORS P70 THRU P82
B
B8
TYPICAL SPLICE REDUCER FOR E67, E68, E83 & E96
⑱ 22 REQD
⑲ 22 REQD SEE TABLE I & NOTES 8 & 14
PIN 1 19 PLACES
95 P70-A
96 P71-A
97 P71-C
98 P71-D
86 P79-B
87 P79-C
88 P79-D
SEE TABLE II
99 P73-B
100 P73-C
89 P81-A
90 P81-B
101 P74-B
102 P74-C
91 P82-A
92 P82-B
93 P82-C
94 P82-D
103
P75-C
104
P76-C
FIGURE EIGHT STITCH
FIGURE EIGHT STITCH
44
E54
45
E55
46
E56
47
E57
48
E58
53
E63
54
E64
55
E65
56
E66
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[10]
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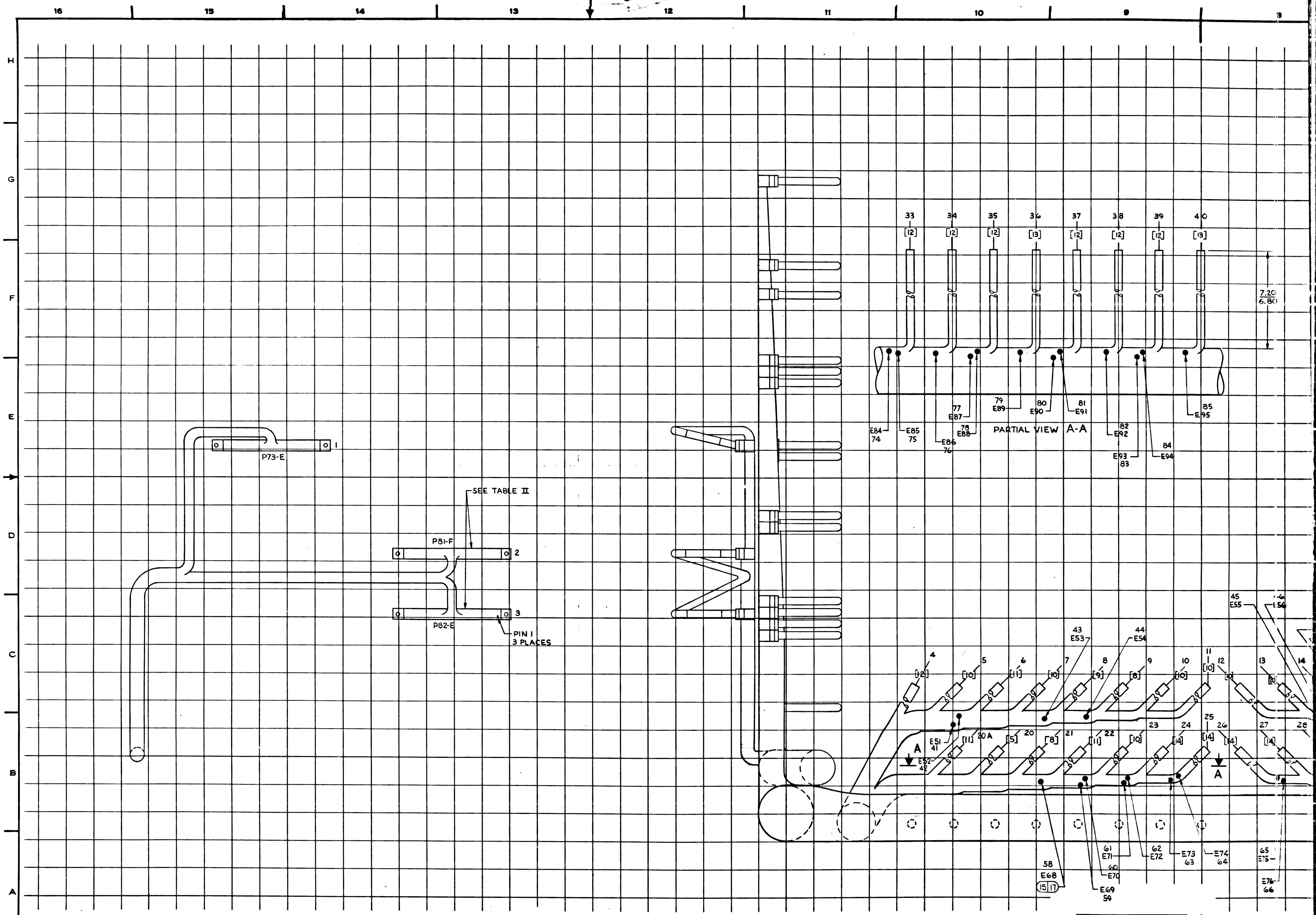
[10]
12
13
[20]
14
[22]
15
[16]
16
[12]
17
[12]
18
[12]
19
[14]
49
50
E59
E60
51
52
E62
E61
3.20
2.80
30 PLACES
⑭⑯ 57 E67
⑮⑰ 73 E83
23
24
[14]
25
[14]
26
27
[14]
28
[14]
29
[14]
30
[21]
31
[22]
32
[22]
A
73A
E96
E73
63
E74
64
65
E75
68
E78
E76
66
E77
67
E79
69
70
E80
71
E81
E82
72
⑲ SEE NOTES 4 & 8
B
B
PARTIAL VIEW B-B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + — + — + — - — - — - —	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	ACSP PN	
	DRAWN E. Miller DATE 10 SEP 65 CHECKED Udovich 15 SEP 65 APPROVAL 15 SEP 65 APPROVAL 9 22 65	WIRING HARNESS "E"
DO NOT SCALE THIS DRAWING		
MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 | SIZE J2 | 2900731
CONTRACT NAS9-497	MIT APPROVAL	SCALE FULL | SHEET [illegible] OF [illegible]

2900731

27 29 0 0 7 3 1


16
15
14
13
12
11
10
9
H
G
F
E
D
C
B
A
P73-E
1
SEE TABLE II
P81-F
2
P82-E
3
PIN 1
3 PLACES
33 [12]
34 [12]
35 [12]
36 [13]
37 [12]
38 [12]
39 [12]
40 [13]
7.20
6.80
E84 74
E85 75
E86 76
77 E87
78 E88
79 E89
80 E90
81 E91
PARTIAL VIEW A-A
82 E92
E93 83
84 E94
85 E95
45 E55
1.56
43 E53
44 E54
4 [12]
5 [10]
6 [11]
7 [10]
8 [9]
9 [8]
10 [10]
11 [10]
12
13
14
E51 41
E52 42
A
20A [11]
20 [5]
21 [8]
22 [11]
23 [10]
24 [14]
25 [14]
26 [14]
27 [14]
28
A
58
E68
15 17
61
E71
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E70
E69
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E72
E73
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E74
64
65
E75
E76
66

2900731 REV LET F SH 80

MIL 1000J2 D

17/2900731

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708011	A	INITIAL RELEASE CLASS A PER TDRR 23418	18 OCT 65	JR

REV						
SHEET						
REV STATUS OF SHEETS	REV	A	A	A	A	A
	SHEET	1	2	3	4	5

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN DATE 7 OCT 65
CHECKED Wilson 12 OCT 65
APPROVAL J. Mutton 12 OCT 65
APPROVAL J. M. Watson 10-21-65

WIRING HARNESS B

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900741	A

CONTRACT NAS 9-497

SCALE NONE

SHEET 1 OF 6

NOTE NUMBER

GENERAL NOTES DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 3.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 3.

5 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

6 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

7 APPLY LEAD IDENTIFICATIONS PER ND1002019.

8 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 4 OR ITEMS 5 AND 6.

9 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

10 SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

11 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

12 ASSEMBLE PER ND1002032

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900741
SCALE-NONE
REV LTR A
SHEET 2 OF 68

NOTE NUMBER

GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900741
SCALE-NONE
REV LTR A
SHEET 3 OF 68

LIST OF MATERIALS

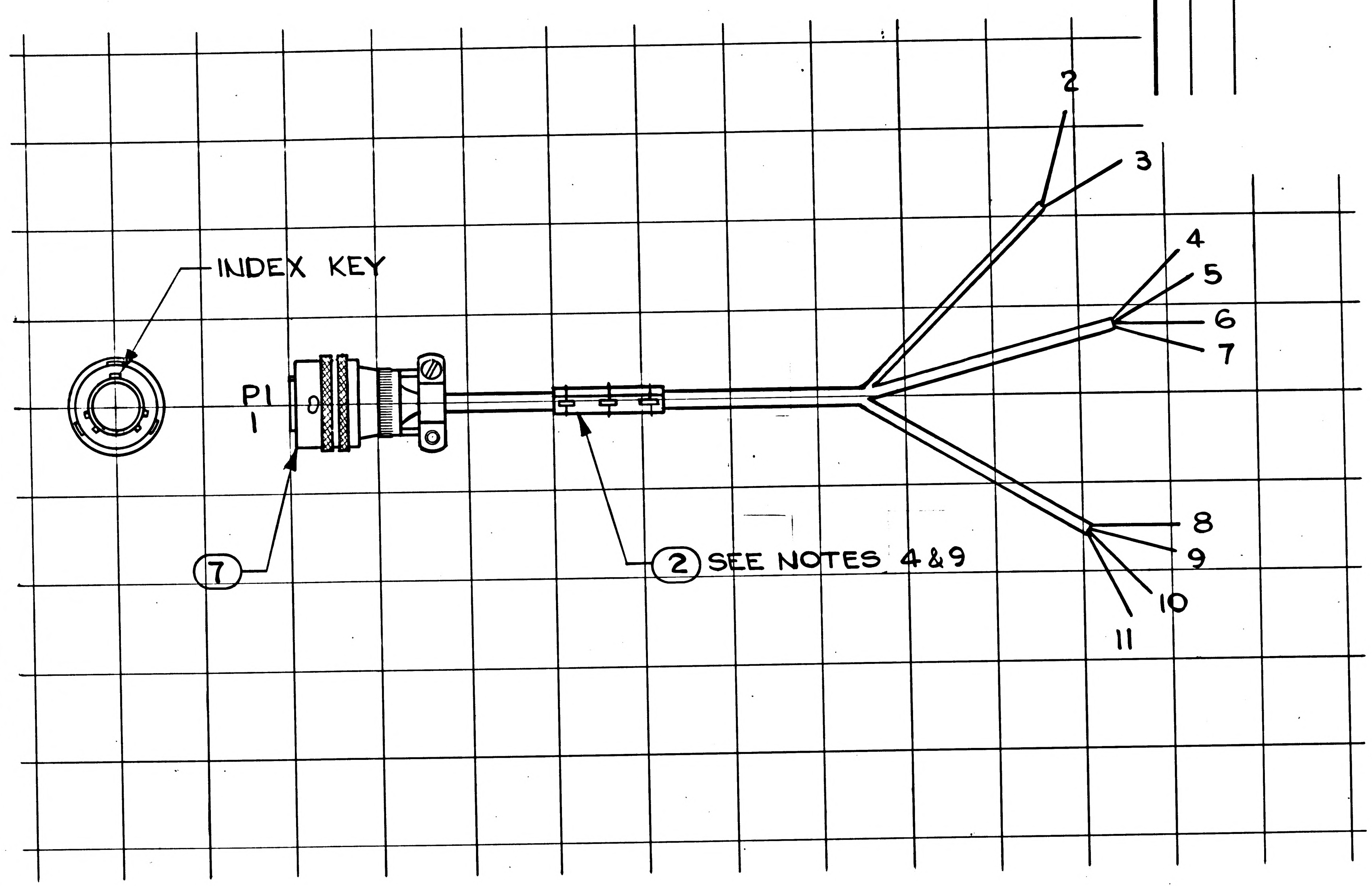
SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900741-001	WIRE, ND1002181, TYPE I, CLASS I, 22 AWG, WHITE 8 FEET 4 INCHES TOTAL LENGTH.
6	2	1	1016128-011	BAND IDENTIFICATION
	3	AR	MIL-T-713	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732)
	4	AR	SN60WRAP	SOLDER QQ-S-571
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
	7	1	MS3126F12-10P	(1897038-100) CONNECTOR, PLUG

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900741
SCALE-NONE
REV LTR A
SHEET 4 OF 68

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	1	1		P1-A B1A-P1	1				.22 .25	NO YES	2		
B	2	1		P1-B B1A-P3	1				.22 .25	NO YES	3		
B	3	1		P1-C B1B-S3	1				.22 .25	NO YES	10		
B	4	1		P1-D B1B-S1	1				.22 .25	NO YES	8		
B	5	1		P1-E B1B-S4	1				.22 .25	NO YES	11		
B	6	1		P1-F B1B-S2	1				.22 .25	NO YES	9		
B	7	1		P1-G B1A-S3	1				.22 .25	NO YES	6		
B	8	1		P1-H B1A-S1	1				.22 .25	NO YES	4		
B	9	1		P1-J B1A-S4	1				.22 .25	NO YES	7		
B	10	1		P1-K B1A-S2	1				.22 .25	NO YES	5		

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900741
SCALE-NONE
REV LTR A
SHEET 5 OF 68

REVISIONS		23418			
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION			



2900770-011	2900768-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING

MATERIAL AS NOTED

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Saticek DATE 7 OCT 65
CHECKED
APPROVAL J.L. Motton 12 OCT 65
APPROVAL J. M. Walton 10-21-65
NASA APPROVAL A.L. Metzger
MIT APPROVAL W. Gupfer 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS B

CODE IDENT NO. 99974
SIZE C
2900741
SCALE FULL
SHEET 6 OF 6

MIL 1077C-P

APPLICATION		REVISIONS 23406			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900736-011	2900072-011	A	REVISED PER MXC 205434	9 OCT 65	RLP EF
		B	INITIAL RELEASE CLASS A PER TDRR 23406	19 OCT 65	E

H. Erickson
14 SEP 65

REV																		
SHEET																		
REV STATUS	REV	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN R. Statick DATE 7 AUG 65
CHECKED Wilson 14 SEP 65
APPROVAL 14 SEP 65
APPROVAL Yedman 10/20/65

WIRING HARNESS "B"

NASA APPROVAL
MIT APPROVAL 20 Oct 65

CODE IDENT NO.	SIZE		REV
99974	A	2900745	B

CONTRACT NAS 9-497
SCALE —
SHEET 1 OF 17

WIRING HARNESS B 2900745 B

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	PER ND1002206
2	ASSEMBLE PER ND1002032.
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4	MARK LEAD IDENTIFICATION PER ND1002019.
5	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
6	SPIRALLING OF THE MARKING IS ALLOWED.
7	MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.
8	IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES267). 12 INCH HIGH CHARACTERS, COLOR WHITE.
9	SERIALIZE PER ND1002023.
10	FASTEN MARKER SECURELY WITH ITEM 9. WRAP MARKER TO CONFORM TO HARNESS CONFIGURATION.
11	SOLDER PER MIL-S-6872 USING ITEMS 10 AND 11, OR 12.
12	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
13	GRID IS SHOWN FOR DIMENSIONING PURPOSES.
14	GRID MODULE IS 1 INCH BASIC.

CODE IDENT NO. 99974	SIZE A	2900745	
SCALE-NONE	REV LTR B		SHEET 2 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	UNLESS OTHERWISE SPECIFIED - FEATURE CENTERLINES AT TRUE POSITION WITHIN + OR - .25 INCH RELATIVE TO GRID. ENDS OF LEADS OR ACCESSORIES AT TRUE POSITION WITHIN + OR - .12 INCH RELATIVE TO GRID. TRUE POSITION DIMENSIONS ARE REGARDLESS OF FEATURE SIZE.
16	BREAKOUTS OF INDIVIDUAL OR GROUPS OF LEADS ARE MINIMUM CONFIGURATION.
17	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
18	VENDOR ITEM - SEE SOURCE CONTROL DRAWING.
19	SPOT TIE CONFIGURATION AS REQUIRED USING ITEM 9.
20	ASSEMBLE CONTACTS IN ALL CONNECTOR GROMMET HOLES.
21	LEADS WITH THE SAME BASIC LEAD IDENTIFICATION NUMBERS ARE TO TWISTED TOGETHER WITH A LAY NO GREATER THAN 15 TIMES NOR LESS THAN 10 TIMES THE DIAMETER OF THE TWISTED LEADS. EXAMPLE B1L AND B1R, B2L AND B2R, ETC.

CODE IDENT NO. 99974	SIZE A	2900745	
SCALE-NONE	REV LTR B		SHEET 3 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

CODE IDENT NO. 99974	SIZE A	2900745	
SCALE-NONE	REV LTR B		SHEET 4 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900745-001	WIRE-ND1002181, TYPE I, CLASS 1, 20AWG, WHITE - FEET TOTAL LENGTH
	2	1	2900745-002	WIRE-ND1002181, TYPE I, CLASS 1, 22AWG, WHITE - FEET TOTAL LENGTH
	3	1	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE, ELECTRICAL, CRIMP TYPE SOCKET CONTACT
17	4	3	1016006-002	SPLICE-REDUCER, CRIMP STYLE
17	5	3	1010490-258	INSULATION-SLEEVING, ELECTRICAL, HEAT SHRINK
17	6	2	1015902- 49	TERMINAL-LUG, CRIMP STYLE
	7	1	MS3127E24-61PY	(1897055-613) CONNECTOR-RECEPTACLE, ELECTRICAL, CRIMP TYPE PIN CONTACT
17	8	1	1016128-001	BAND-IDENTIFICATION BLANK
18	9	AR	1012507-004	TAPE, LACING AND TYING
	10	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	11	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	12	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
17	13	11	1015864-109	INSULATION - SLEEVING, ELECTRICAL (CLEAR)
17	14	1	1015864-107	INSULATION - SLEEVING, ELECTRICAL (CLEAR)
	15	1	MS3127E14-15P	(1897115-150) CONNECTOR-RECEPTACLE.
	16	1	MS3127E20-41S	(1897052-410) CONNECTOR-RECEPTACLE

CODE IDENT NO. 99974	SIZE A	2900745	
SCALE-NONE	REV LTR B		SHEET 5 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

SEE NOTE LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17		1015864-167	INSULATION-SLEEVING, ELECTRICAL (CLEAR)

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 6 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1L	2		J4-BB J2-X•	6 1				.22 .22	NO NO			
B 1R	2		J4-AA J2-W•	6 1				.22 .22	NO NO			
B 2L	2		J4-MM J2-KK	6 1				.22 .22	NO NO			
B 2R	2		J4-NN J2-LL	6 1				.22 .22	NO NO			
B 3L	2		J4-EE J2-MM	6 1				.22 .22	NO NO			
B 3R	2		J4-FF J2-NN	6 1				.22 .22	NO NO			
B 4L	1		J4-E K1-2	6 13				.22 .25	NO YES		 13	
B 4R	1		J4-F K1-6	6 13				.22 .25	NO YES		 13	
B 4Y	1		J4-D J2-D	6 1				.22 .22	NO NO			
B 5	1		K1-4 J2-F	13 1				.25 .22	YES NO		13	
B 6	2		K1-1 J2-AA	13 1				.25 .22	YES NO		13	
B 7	2		K1-5 K2-5	13 13				.25 .25	YES YES		13 14	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 7 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 8	2		K2-5 J2-CC	13 1				.25 .22	YES NO			
B 9	2		K2-1 J2-BB	13 1				.25 .22	YES NO		13	
B 10L	2		J4-G J2-H	6 1				.22 .22	NO NO			
B 10R	2		J4-H J2-J	6 1				.22 .22	NO NO			
B 13L	2		J4-N J2-P	6 1				.22 .22	NO NO			
B 13R	2		J4-P J2-R	6 1				.22 .22	NO NO			
B 14L	2		J4-R J2-S	6 1				.22 .22	NO NO			
B 14R	2		J4-S J2-T	6 1				.22 .22	NO NO			
B 15L	1		J4-U K2-2	6 13				.22 .25	NO YES		 13	
B 15R	1		J4-V K2-6	6 13				.22 .25	NO YES		 13	
B 15Y	1		J4-T J2-U	6 1				.22 .22	NO NO			
B 16	1		K2-4 J2-W	13 1				.25 .22	YES NO		13	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 8 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 17L	2		J4-W J2-B•	6 1				.22 .22	NO NO			
B 17R	2		J4-X J2-C•	6 1				.22 .22	NO NO			
B 24L	2		J4-G• J2-I•	6 1				.22 .22	NO NO			
B 24R	2		J4-H• J2-J•	6 1				.22 .22	NO NO			
B 25L	2		J4-J• J2-K•	6 1				.22 .22	NO NO			
B 25R	2		J4-K• J2-M•	6 1				.22 .22	NO NO			
B 26L	2		J4-HH E9-B	6 8				.22 .38	NO NO			
B 26R	2		J4-JJ E10-B	6 7				.22 .38	NO NO			
B 27L	2		J4-P• E9-B	6 8				.22 .38	NO NO			
B 27R	2		J4-Q• E10-B	6 7				.22 .38	NO NO			
B 28L	2		J4-R• E9-B	6 8				.22 .38	NO NO			
B 28R	2		J4-S• E10-B	6 7				.22 .38	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 9 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 29L	2		J4-T• E9-B	6 8				.22 .38	NO NO			
B 29R	2		J4-U• E10-B	6 7				.22 .38	NO NO			
B 30L	2		J4-KK E9-B	6 8				.22 .38	NO NO			
B 30R	2		J4-LL E10-B	6 7				.22 .38	NO NO			
B 31L	1		E9-BB J2-N•	8 1				.38 .22	NO NO			
B 31R	1		E10-BB J2-P•	7 1				.38 .22	NO NO			
B 32L	1		J4-W• J2-S•	6 1				.22 .22	NO NO			
B 32R	1		J4-X• J2-T•	6 1				.22 .22	NO NO			
B 32Y	1		J4-PP J2-PP	6 1				.22 .22	NO NO			
B 33L	1		J4-Y• J2-Q•	6 1				.22 .22	NO NO			
B 33R	1		J4-Z• J2-R•	6 1				.22 .22	NO NO			
B 34	1		J4-CC E1-2	6 2				.22 .25	NO NO		6	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 10 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 35	2		J5-F J2-X	15 1				.22 .22	NO NO			
B 36	2		J5-G J2-Y	15 1				.22 .22	NO NO			
B 37	2		J5-H J2-Z	15 1				.22 .22	NO NO			
B 38	1		J5-A E1-3	15 3				.22 .25	NO NO		6	
B 39	2		J2-X J6-D•	1 4				.22 .22	NO NO			
B 40	2		J2-Y J6-E•	1 4				.22 .22	NO NO			
B 41	2		J2-Z J6-F•	1 4				.22 .22	NO NO			
B 42L	1		E9-BB J6-A•	8 4				.38 .22	NO NO			
B 42R	1		E10-BB J6-B•	7 4				.38 .22	NO NO			
B 43L	2		J4-M• J2-DD	6 1				.22 .22	NO NO			
B 43R	2		J4-N• J2-EE	6 1				.22 .22	NO NO			
B 44L	2		J4-Z J2-GG	6 1				.22 .22	NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 11 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 44R	2		J4-A• J2-HH	6 1				.22 .22	NO NO			
B 45	2		J4-B J2-B	6 1				.22 .22	NO NO			
B 46	2		J4-B J6-A	6 4				.22 .22	NO NO			
B 47	2		J4-Y J2-A•	6 1				.22 .22	NO NO			
B 48	2		J4-DD J2-D•	6 1				.22 .22	NO NO			
B 49	2		J6-C J6-D	4 4				.22 .22	NO NO			
B 50L	2		J4-J K5-4	6 9				.22 .25	NO YES		17	
B 50R	2		J4-K K5-7	6 9				.22 .25	NO YES		17	
B 51L	2		J2-K K5-5	1 9				.22 .25	NO YES		17	
B 51R	2		J2-L K5-8	1 9				.22 .25	NO YES		17	
B 52	2		J4-I• J2-Z•	6 1				.22 .22	NO NO			
B 53	2		J6-U K5-1	4 9				.22 .25	NO YES		17	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 12 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 54L	2		J6-H• K7-3	4 12				.22 .25	NO YES		17	
B 54R	2		J6-G• K7-6	4 12				.22 .25	NO YES		17	
B 56L	2		J4-L K5-13	6 9				.22 .25	NO YES		17	
B 56R	2		J4-M K5-16	6 9				.22 .25	NO YES		17	
B 57L	2		J2-M K5-14	1 9				.22 .25	NO YES		17	
B 57R	2		J2-N K5-17	1 9				.22 .25	NO YES		17	
B 58	2		J6-W K7-1	4 12				.22 .25	NO YES		17	
B 59L	2		J6-K• K7-9	4 12				.22 .25	NO YES		17	
B 59R	2		J6-J• K7-12	4 12				.22 .25	NO YES		17	
B 62L	2		J4-B• K3-4	6 10				.22 .25	NO YES		17	
B 62R	2		J4-C• K3-7	6 10				.22 .25	NO YES		17	
B 63L	2		J2-E• K3-5	1 10				.22 .25	NO YES		17	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 13 OF 17

WIRING HARNESS B 2900745 B*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 63R	2		J2-F* K3-8	1 10				.22 .25	NO YES		17	
B 64	2		J4-V* J2-Y*	6 1				.22 .22	NO NO			
B 65	2		J6-V K3-1	4 10				.22 .25	NO YES		17	
B 66L	2		J6-N* K4-3	4 11				.22 .25	NO YES		17	
B 66R	2		J6-P* K4-6	4 11				.22 .25	NO YES		17	
B 68L	2		J4-D* K3-13	6 10				.22 .25	NO YES		17	
B 68R	2		J4-E* K3-16	6 10				.22 .25	NO YES		17	
B 69L	2		J2-G* K3-14	1 10				.22 .25	NO YES		17	
B 69R	2		J2-H* K3-17	1 10				.22 .25	NO YES		17	
B 70	2		J6-X K4-1	4 11				.22 .25	NO YES		17	
B 71L	2		J6-S* K4-9	4 11				.22 .25	NO YES		17	
B 71R	2		J6-R* K4-12	4 11				.22 .25	NO YES		17	

CODE IDENT NO. 99974
SIZE A
2900745
SCALE - NONE
REV LTR KB
SHEET 14 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 72	2		J6-Y K7-15	4 12				.22 .25	NO YES		17	
B 73	2		J6-Z K4-15	4 11				.22 .25	NO YES		17	
B 74	2		J6-T K5-2	4 9				.22 .25	NO YES		17	
B 75	2		J6-T K3-2	4 10				.22 .25	NO YES		17	
B 76	2		J6-B E16	4 14				.22 .25	NO YES			
B 77	2		J2-V* J6-S	1 4				.22 .22	NO NO			
B 78	2		J6-I* J6-M*	4 4				.22 .22	NO NO			
B 79	2		J6-M* J2-Z*	4 1				.22 .22	NO NO			
B 80	2		J6-Q* J6-T*	4 4				.22 .22	NO NO			
B 81	2		J6-T* J2-Y*	4 1				.22 .22	NO NO			
B 82	1		J2-E K1-8	1 13				.22 .25	NO YES		13	
B 83	1		J2-V K2-8	1 13				.22 .25	NO YES		13	

CODE IDENT NO. 99974
SIZE A
2900745
SCALE - NONE
REV LTR KB
SHEET 15 OF 17

MIL 2074 3-63 WIR

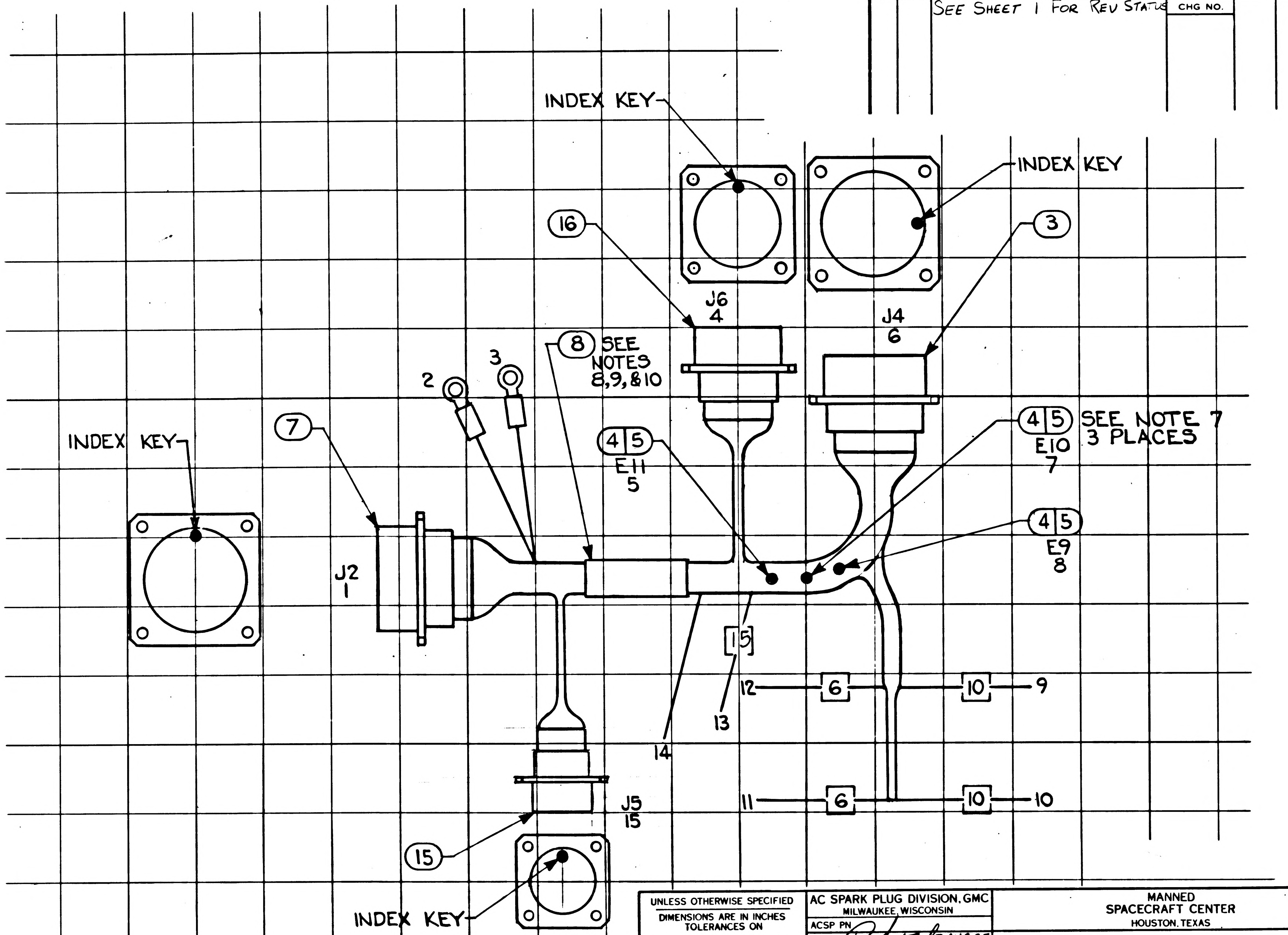
WIRING HARNESS B 2900745 B*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 84	1		J2-FF E1-5					.22 .25	NO NO	1 3A	6	

CODE IDENT NO. 99974
SIZE A
2900745
SCALE - NONE
REV LTR KB
SHEET 16 OF 17

MIL 2074 3-63 WIR

REVISIONS	23406			
SYM	ZONE	DESCRIPTION	DATE	APPD.
		See Sheet 1 For Rev Status CHG NO.		


INDEX KEY
INDEX KEY
16
3
J6
4
J4
6
8 SEE NOTES 8,9,&10
2
3
7
INDEX KEY
4 5
E11
5
4 5 SEE NOTE 7 3 PLACES
E10
7
4 5
E9
8
J2
1
15
12
6
10
9
13
14
11
6
10
10
J5
15
15
INDEX KEY

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
RACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL.
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 7 AUG 65
CHECKED Wilson 14 SEP 65
APPROVAL 14 SEP 65
APPROVAL Gediman 10/20/65
NASA APPROVAL
MIT APPROVAL 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE C
2900745
SCALE FULL
SHEET 17 OF 17

APPLICATION		REVISIONS Z3406			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900736-011	2900072-011	A	REVISED PER MXC 205434	9 OCT 65	RLP EF
	Ⓜ	B	INITIAL RELEASE CLASS A PER TDRR Z3406	19 Oct 65	7E
		C	REVISED PER TDRR 24061	30 NOV 65	JWP RWH

H. Erickson
14 SEP 65

REV STATUS OF SHEETS																		
REV	C	B	B	B	C	B	B	B	B	B	B	B	B	B	B	C	C
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN DATE 7 AUG 65
CHECKED Wilson 14 SEP 65
APPROVAL 14 SEP 65
APPROVAL Yedman 10/20/65

WIRING HARNESS "B"

NASA APPROVAL per
MIT APPROVAL 20 Oct 65

CODE IDENT NO. 99974
SIZE A
2900745
REV C

CONTRACT NAS 9-497
SCALE ——
SHEET 1 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	PER ND1002206
2	ASSEMBLE PER ND1002032.
3	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
4	MARK LEAD IDENTIFICATION PER ND1002019.
5	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
6	SPIRALLING OF THE MARKING IS ALLOWED.
7	MARK SLEEVING WITH REFERENCE DESIGNATION AS SHOWN .12 INCH HIGH, COLOR BLACK PER ND1002019.
8	IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES267). 12 INCH HIGH CHARACTERS, COLOR WHITE.
9	SERIALIZE PER ND1002023.
10	FASTEN MARKER SECURELY WITH ITEM 9. WRAP MARKER TO CONFORM TO HARNESS CONFIGURATION.
11	SOLDER PER MIL-S-6872 USING ITEMS 10 AND 11, OR 12.
12	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
13	GRID IS SHOWN FOR DIMENSIONING PURPOSES.
14	GRID MODULE IS 1 INCH BASIC.

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR *B	SHEET 2 OF 17

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	UNLESS OTHERWISE SPECIFIED - FEATURE CENTERLINES AT TRUE POSITION WITHIN + OR - .25 INCH RELATIVE TO GRID. ENDS OF LEADS OR ACCESSORIES AT TRUE POSITION WITHIN + OR - .12 INCH RELATIVE TO GRID. TRUE POSITION DIMENSIONS ARE REGARDLESS OF FEATURE SIZE.
16	BREAKOUTS OF INDIVIDUAL OR GROUPS OF LEADS ARE MINIMUM CONFIGURATION.
17	VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
18	VENDOR ITEM - SEE SOURCE CONTROL DRAWING.
19	SPOT TIE CONFIGURATION AS REQUIRED USING ITEM 9.
20	ASSEMBLE CONTACTS IN ALL CONNECTOR GROMMET HOLES.
21	LEADS WITH THE SAME BASIC LEAD IDENTIFICATION NUMBERS ARE TO TWISTED TOGETHER WITH A LAY NO GREATER THAN 15 TIMES NOR LESS THAN 10 TIMES THE DIAMETER OF THE TWISTED LEADS. EXAMPLE B1L AND B1R, B2L AND B2R, ETC.

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR *B	SHEET 3 OF 17

NOTE NUMBER GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR *B	SHEET 4 OF 17

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900745-001	WIRE-ND1002181, TYPE I, CLASS 1, 20AWG, WHITE - FEET TOTAL LENGTH
	2	1	2900745-002	WIRE-ND1002181, TYPE I, CLASS 1, 22AWG, WHITE - FEET TOTAL LENGTH
	3	1	MS3127E24-61SZ	(1897056-614) CONNECTOR-RECEPTACLE, ELECTRICAL, CRIMP TYPE SOCKET CONTACT
17	4	2	1016006-002	SPLICE-REDUCER, CRIMP STYLE
17	5	2	1010490-258	INSULATION-SLEEVING, ELECTRICAL, HEAT SHRINK
17	6	2	1015902- 49	TERMINAL-LUG, CRIMP STYLE
	7	1	MS3127E24-61PY	(1897055-613) CONNECTOR-RECEPTACLE, ELECTRICAL, CRIMP TYPE PIN CONTACT
17	8	1	1016128-001	BAND-IDENTIFICATION BLANK
18	9	AR	1012507-004	TAPE, LACING AND TYING
	10	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	11	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	12	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
17	13	11	1015864-109	INSULATION - SLEEVING, ELECTRICAL (CLEAR)
17	14	1	1015864-107	INSULATION - SLEEVING, ELECTRICAL (CLEAR)
	15	1	MS3127E14-15P	(1897115-150) CONNECTOR-RECEPTACLE.
	16	1	MS3127E20-41S	(1897052-410) CONNECTOR-RECEPTACLE

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR *B C	SHEET 5 OF 17

WIRING HARNESS B   2900745   B

SEE NOTE NUMBER	ITEM	QTY	LIST OF MATERIALS PART NO.	DESCRIPTION
	17		1015864-167	INSULATION-SLEEVING, ELECTRICAL (CLEAR)

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR B	SHEET 6 OF 17

WIRING HARNESS B   2900745   B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 1L	2		J4-BB	6				.22	NO			
			J2-X*	1				.22	NO			
B 1R	2		J4-AA	6				.22	NO			
			J2-W*	1				.22	NO			
B 2L	2		J4-MM	6				.22	NO			
			J2-KK	1				.22	NO			
B 2R	2		J4-NN	6				.22	NO			
			J2-LL	1				.22	NO			
B 3L	2		J4-EE	6				.22	NO			
			J2-MM	1				.22	NO			
B 3R	2		J4-FF	6				.22	NO			
			J2-NN	1				.22	NO			
B 4L	1		J4-E	6				.22	NO			
			K1-2	13				.25	YES		13	
B 4R	1		J4-F	6				.22	NO			
			K1-6	13				.25	YES		13	
B 4Y	1		J4-D	6				.22	NO			
			J2-D	1				.22	NO			
B 5	1		K1-4	13				.25	YES		13	
			J2-F	1				.22	NO			
B 6	2		K1-1	13				.25	YES		13	
			J2-AA	1				.22	NO			
B 7	2		K1-5	13				.25	YES		13	
			K2-5	13				.25	YES		14	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR B	SHEET 7 OF 17

WIRING HARNESS B   2900745   B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 8	2		K2-5	13				.25	YES			
			J2-CC	1				.22	NO			
B 9	2		K2-1	13				.25	YES		13	
			J2-BB	1				.22	NO			
B 10L	2		J4-G	6				.22	NO			
			J2-H	1				.22	NO			
B 10R	2		J4-H	6				.22	NO			
			J2-J	1				.22	NO			
B 13L	2		J4-N	6				.22	NO			
			J2-P	1				.22	NO			
B 13R	2		J4-P	6				.22	NO			
			J2-R	1				.22	NO			
B 14L	2		J4-R	6				.22	NO			
			J2-S	1				.22	NO			
B 14R	2		J4-S	6				.22	NO			
			J2-T	1				.22	NO			
B 15L	1		J4-U	6				.22	NO			
			K2-2	13				.25	YES		13	
B 15R	1		J4-V	6				.22	NO			
			K2-6	13				.25	YES		13	
B 15Y	1		J4-T	6				.22	NO			
			J2-U	1				.22	NO			
B 16	1		K2-4	13				.25	YES		13	
			J2-W	1				.22	NO			

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR B	SHEET 8 OF 17

WIRING HARNESS B   2900745   B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 17L	2		J4-W	6				.22	NO			
			J2-B*	1				.22	NO			
B 17R	2		J4-X	6				.22	NO			
			J2-C*	1				.22	NO			
B 24L	2		J4-G*	6				.22	NO			
			J2-I*	1				.22	NO			
B 24R	2		J4-H*	6				.22	NO			
			J2-J*	1				.22	NO			
B 25L	2		J4-J*	6				.22	NO			
			J2-K*	1				.22	NO			
B 25R	2		J4-K*	6				.22	NO			
			J2-M*	1				.22	NO			
B 26L	2		J4-HH	6				.22	NO			
			E9-B	8				.38	NO			
B 26R	2		J4-JJ	6				.22	NO			
			E10-B	7				.38	NO			
B 27L	2		J4-P*	6				.22	NO			
			E9-B	8				.38	NO			
B 27R	2		J4-Q*	6				.22	NO			
			E10-B	7				.38	NO			
B 28L	2		J4-R*	6				.22	NO			
			E9-B	8				.38	NO			
B 28R	2		J4-S*	6				.22	NO			
			E10-B	7				.38	NO			

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR B	SHEET 9 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 29L	2		J4-T*	6				.22	NO			
			E9-B	8				.38	NO			
B 29R	2		J4-U*	6				.22	NO			
			E10-B	7				.38	NO			
B 30L	2		J4-KK	6				.22	NO			
			E9-B	8				.38	NO			
B 30R	2		J4-LL	6				.22	NO			
			E10-B	7				.38	NO			
B 31L	1		E9-BB	8				.38	NO			
			J2-N*	1				.22	NO			
B 31R	1		E10-BB	7				.38	NO			
			J2-P*	1				.22	NO			
B 32L	1		J4-W*	6				.22	NO			
			J2-S*	1				.22	NO			
B 32R	1		J4-X*	6				.22	NO			
			J2-T*	1				.22	NO			
B 32Y	1		J4-PP	6				.22	NO			
			J2-PP	1				.22	NO			
B 33L	1		J4-Y*	6				.22	NO			
			J2-Q*	1				.22	NO			
B 33R	1		J4-Z*	6				.22	NO			
			J2-R*	1				.22	NO			
B 34	1		J4-CC	6				.22	NO			
			E1-2	2				.25	NO		6	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 10 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 35	2		J5-F	15				.22	NO			
			J2-X	1				.22	NO			
B 36	2		J5-G	15				.22	NO			
			J2-Y	1				.22	NO			
B 37	2		J5-H	15				.22	NO			
			J2-Z	1				.22	NO			
B 38	1		J5-A	15				.22	NO			
			E1-3	3				.25	NO		6	
B 39	2		J2-X	1				.22	NO			
			J6-D*	4				.22	NO			
B 40	2		J2-Y	1				.22	NO			
			J6-E*	4				.22	NO			
B 41	2		J2-Z	1				.22	NO			
			J6-F*	4				.22	NO			
B 42L	1		E9-BB	8				.38	NO			
			J6-A*	4				.22	NO			
B 42R	1		E10-BB	7				.38	NO			
			J6-B*	4				.22	NO			
B 43L	2		J4-M*	6				.22	NO			
			J2-DD	1				.22	NO			
B 43R	2		J4-N*	6				.22	NO			
			J2-EE	1				.22	NO			
B 44L	2		J4-Z	6				.22	NO			
			J2-GG	1				.22	NO			

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 11 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 44R	2		J4-A*	6				.22	NO			
			J2-HH	1				.22	NO			
B 45	2		J4-B	6				.22	NO			
			J2-B	1				.22	NO			
B 46	2		J4-B	6				.22	NO			
			J6-A	4				.22	NO			
B 47	2		J4-Y	6				.22	NO			
			J2-A*	1				.22	NO			
B 48	2		J4-DD	6				.22	NO			
			J2-D*	1				.22	NO			
B 49	2		J6-C	4				.22	NO			
			J6-D	4				.22	NO			
B 50L	2		J4-J	6				.22	NO			
			K5-4	9				.25	YES		17	
B 50R	2		J4-K	6				.22	NO			
			K5-7	9				.25	YES		17	
B 51L	2		J2-K	1				.22	NO			
			K5-5	9				.25	YES		17	
B 51R	2		J2-L	1				.22	NO			
			K5-8	9				.25	YES		17	
B 52	2		J4-I*	6				.22	NO			
			J2-Z*	1				.22	NO			
B 53	2		J6-U	4				.22	NO			
			K5-1	9				.25	YES		17	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 12 OF 17

WIRING HARNESS B 2900745 B ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 54L	2		J6-H*	4				.22	NO			
			K7-3	12				.25	YES		17	
B 54R	2		J6-G*	4				.22	NO			
			K7-6	12				.25	YES		17	
B 56L	2		J4-L	6				.22	NO			
			K5-13	9				.25	YES		17	
B 56R	2		J4-M	6				.22	NO			
			K5-16	9				.25	YES		17	
B 57L	2		J2-M	1				.22	NO			
			K5-14	9				.25	YES		17	
B 57R	2		J2-N	1				.22	NO			
			K5-17	9				.25	YES		17	
B 58	2		J6-W	4				.22	NO			
			K7-1	12				.25	YES		17	
B 59L	2		J6-K*	4				.22	NO			
			K7-9	12				.25	YES		17	
B 59R	2		J6-J*	4				.22	NO			
			K7-12	12				.25	YES		17	
B 62L	2		J4-B*	6				.22	NO			
			K3-4	10				.25	YES		17	
B 62R	2		J4-C*	6				.22	NO			
			K3-7	10				.25	YES		17	
B 63L	2		J2-E*	1				.22	NO			
			K3-5	10				.25	YES		17	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR ~~A~~ B	SHEET 13 OF 17

WIRING HARNESS B 2900745 B★

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	63R	2		J2-F* K3-8	1 10				.22 .25	NO YES		 17	
B	64	2		J4-V* J2-Y*	6 1				.22 .22	NO NO			
B	65	2		J6-V K3-1	4 10				.22 .25	NO YES		 17	
B	66L	2		J6-N* K4-3	4 11				.22 .25	NO YES		 17	
B	66R	2		J6-P* K4-6	4 11				.22 .25	NO YES		 17	
B	68L	2		J4-D* K3-13	6 10				.22 .25	NO YES		 17	
B	68R	2		J4-E* K3-16	6 10				.22 .25	NO YES		 17	
B	69L	2		J2-G* K3-14	1 10				.22 .25	NO YES		 17	
B	69R	2		J2-H* K3-17	1 10				.22 .25	NO YES		 17	
B	70	2		J6-X K4-1	4 11				.22 .25	NO YES		 17	
B	71L	2		J6-S* K4-9	4 11				.22 .25	NO YES		 17	
B	71R	2		J6-R* K4-12	4 11				.22 .25	NO YES		 17	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR KB	SHEET 14 OF 17

MIL 2074 3-63 WIR

WIRING HARNESS B 2900745 B★

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	72	2		J6-Y K7-15	4 12				.22 .25	NO YES		 17	
B	73	2		J6-Z K4-15	4 11				.22 .25	NO YES		 17	
B	74	2		J6-T K5-2	4 9				.22 .25	NO YES		 17	
B	75	2		J6-T K3-2	4 10				.22 .25	NO YES		 17	
B	76	2		J6-B E16	4 14				.22 .25	NO YES			
B	77	2		J2-V* J6-S	1 4				.22 .22	NO NO			
B	78	2		J6-I* J6-M*	4 4				.22 .22	NO NO			
B	79	2		J6-M* J2-Z*	4 1				.22 .22	NO NO			
B	80	2		J6-Q* J6-T*	4 4				.22 .22	NO NO			
B	81	2		J6-T* J2-Y*	4 1				.22 .22	NO NO			
B	82	1		J2-E K1-8	1 13				.22 .25	NO YES		 13	
B	83	1		J2-V K2-8	1 13				.22 .25	NO YES		 13	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR KB	SHEET 15 OF 17

MIL 2074 3-63 WIR

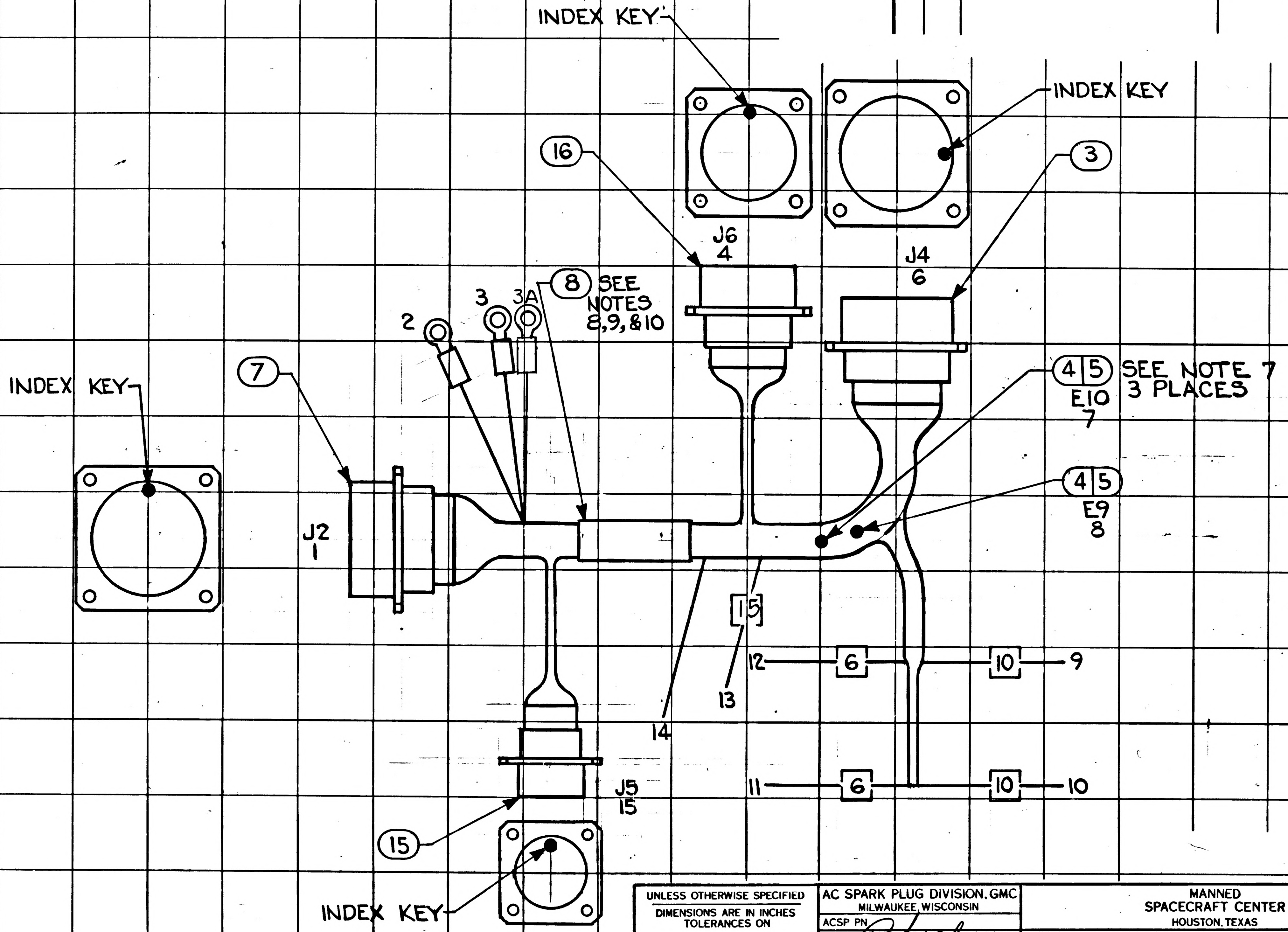
WIRING HARNESS B 2900745 C ~~B★~~

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	84	1		J2-FF E1-5	1 3A				.22 .25	NO NO	~~1~~ ~~3A~~	 6	

CODE IDENT NO.	SIZE	
99974	A	2900745
SCALE-NONE	REV LTR KB C	SHEET 16 OF 17

MIL 2074 3-63 WIR

REVISIONS 23406				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		See Sheet 1 For Rev Status CHG NO.		


INDEX KEY
INDEX KEY
16
3
J6
4
J4
6
2
3
3A
8
SEE NOTES 8,9,&10
7
INDEX KEY
4 5
E10
7
SEE NOTE 7
3 PLACES
4 5
E9
8
J2
1
15
12
6
10
9
13
14
11
6
10
10
J5
15
15
INDEX KEY

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Jatick DATE 7 AUG 65
CHECKED Wilson 14 SEP 65
APPROVAL E.S. West 14 SEP 65
APPROVAL L. Gediman 10/20/65
NASA APPROVAL A. Metzger
MIT APPROVAL W Kupfer 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS "B"

CODE IDENT NO. 99974
SIZE C
2900745
SCALE FULL
SHEET 17 OF 17

C 2900745 B

MIL 1077C—F

APPLICATION		REVISIONS 23406			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900736	2900072	A	INITIAL RELEASE CLASS A PER TDRR 23406	18 Oct 65	JR cw

Charlest 13 Sep 65

REV STATUS OF SHEETS						
REV	A	A	A	A	A
SHEET	1	2	3	4	5

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Staticek DATE 7 AUG 65
CHECKED Wilson 13 SEP65
APPROVAL L G West 13 SEP65
APPROVAL L Gedeman 10/20/65

NASA APPROVAL
MIT APPROVAL 20 Oct 65

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET A-A,
ELECTRICAL

CODE IDENT NO.	SIZE		REV
99974	A	2900746	

SCALE ——

SHEET 1 OF 5

LEAD SET AA 2900746

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	SOLDER PER MIL-S-0872 (ES2505-1) USING ITEM 3 OR ITEMS 4 AND 5.
5	LENGTHS SPECIFIED ARE BEFORE ACCESSORIES ARE ATTACHED.
6	APPLY LEAD IDENTIFICATIONS PER ND1002019.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900746
SCALE-NONE
REV LTR A
SHEET 2 OF 5

LEAD SET AA 2900746

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900746-001	WIRE-ND1002181, TYPE 1, CLASS 1, 22AWG, WHITE 54 INCHES TOTAL LENGTH.
	2	36	1015864-107	INSULATION-SLEEVING, ELECTRICAL
	3	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	5	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900746
SCALE-NONE
REV LTR A
SHEET 3 OF 5

LEAD SET AA 2900746

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	1	1	3.00	K5-5					.25	YES		2	
				K7-4					.25	YES		2	
AA	2	1	3.00	K5-8					.25	YES		2	
				K7-7					.25	YES		2	
AA	3	1	3.00	K5-14					.25	YES		2	
				K7-10					.25	YES		2	
AA	4	1	3.00	K5-17					.25	YES		2	
				K7-13					.25	YES		2	
AA	5	1	3.00	K3-5					.25	YES		2	
				K4-4					.25	YES		2	
AA	6	1	3.00	K3-8					.25	YES		2	
				K4-7					.25	YES		2	
AA	7	1	3.00	K3-14					.25	YES		2	
				K4-10					.25	YES		2	
AA	8	1	3.00	K3-17					.25	YES		2	
				K4-13					.25	YES		2	
AA	9	1	2.00	K3-1					.25	YES		2	
				K3-10					.25	YES		2	
AA	10	1	2.00	K3-9					.25	YES		2	
				E12					.25	YES			
AA	11	1	2.00	E13					.25	YES			
				K4-1					.25	YES		2	
AA	12	1	2.00	K5-1					.25	YES		2	
				K5-10					.25	YES		2	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900746
SCALE-NONE
REV LTR A
SHEET 4 OF 5

LEAD SET AA 2900746

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	13	1	2.00	K5-9					.25	YES		2	
				E14					.25	YES			
AA	14	1	2.00	E15					.25	YES			
				K7-1					.25	YES		2	
AA	15	1	3.00	K3-18					.25	YES		2	
				K4-16					.25	YES		2	
AA	16	1	3.00	K5-18					.25	YES		2	
				K7-16					.25	YES		2	
AA	17	1	3.00	K5-2					.25	YES		2	
				K7-2					.25	YES		2	
AA	18	1	3.00	K7-2					.25	YES		2	
				K5-19					.25	YES		2	
AA	19	1	3.00	K3-2					.25	YES		2	
				K4-2					.25	YES		2	
AA	20	1	3.00	K4-2					.25	YES		2	
				K3-19					.25	YES		2	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900746
SCALE-NONE
REV LTR A
SHEET 5 OF 5

APPLICATION		REVISIONS 23406			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
8102131	8102100	A	REVISED PER MXC 205366		JWP
		B	INITIAL RELEASE CLASS A PER TDRR 23406	18 OCT 65	

13 SEP 65

REV STATUS OF SHEETS	REV	B	B	B	B	B	B	B	B	B	B	B
	SHEET	1	2	3	4	5	6	7	8	9	10	11

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN DATE 10 AUG 65
CHECKED Wilson 13 SEP 65
APPROVAL 13 SEP 65
APPROVAL

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

LEAD SET

CODE IDENT NO.	SIZE		REV
99974	A	2900747	B

SCALE —

SHEET 1 OF 11

LEAD SET 2900747 ~~A~~ B

NOTE GENERAL NOTES

NUMBER	DESCRIPTION
1	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2	APPLY LEAD IDENTIFICATIONS PER ND1002019.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
5	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
6	LENGTHS SPECIFIED ARE BEFORE ACCESSORIES ARE ATTACHED.
7	LEADS WITH THE SAME BASIC LEAD IDENTIFICATION NUMBERS ARE TO BE TWISTED TOGETHER WITH A LAY NO GREATER THAN 15 TIMES NOR LESS THAN 10 TIMES THE DIAMETER OF THE TWISTED LEADS. EXAMPLE - A1L AND A1R, A2L AND A2R, ETC.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900747
SCALE-NONE | REV LTR ~~A~~ B | SHEET 2 OF 11

MIL 2064 4-65

LEAD SET 2900747 ~~A~~ B

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900747-001	WIRE ND1002181, TYPE I, CLASS I, 20AWG, WHITE 12.00 INCHES TOTAL LENGTH
	2	1	2900747-002	WIRE ND1002181, TYPE I, CLASS I, 22AWG, WHITE 53 FEET 8 INCHES TOTAL LENGTH
	3	1	2900747-003	WIRE BUS ND1002181, 22AWG 6.00 IN. TOTAL LENGTH
3	4	2	1016128-001	BAND IDENTIFICATION BLANK
3	5	AR	1012507-004	TAPE, LACING AND TYING

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900747
SCALE-NONE | REV LTR ~~A~~ B | SHEET 3 OF 11

MIL 2064 4-65

LEAD SET 2900747 ~~A~~ B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 34	2	9.00										
A 35	2	9.00										
A 36L	2	11.00										
A 36R	2	11.00										
A 36Y	2	11.00										
A 37L	2	11.00										
A 37R	2	11.00										
A 38L	2	11.00										
A 38R	2	11.00										
A 38Y	2	11.00										
AA 1	2	5.00										
AA 2	2	5.00										

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900747
SCALE-NONE | REV LTR ~~A~~ B | SHEET 4 OF 11

MIL 2064 4-65

LEAD SET 2900747 ~~A~~ B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 3	2	5.00										
AA 4	2	5.00										
AA 5	2	5.00										
AA 6	2	5.00										
AA 7	2	5.00										
AA 8	2	5.00										
AA 9	3	3.00										
AA 10	2	4.00										
AA 11	2	4.00										
AA 12	3	3.00										
AA 13	2	4.00										
AA 14	2	4.00										

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900747
SCALE-NONE | REV LTR ~~A~~ B | SHEET 5 OF 11

MIL 2064 4-65

LEAD SET 2900747 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	ESSORY 4S	REMARKS
AA 15	2	5.00								
AA 16	2	5.00								
AA 17	2	5.00								
AA 18	2	5.00								
AA 19	2	5.00								
AA 20	2	5.00								
B 39	2	8.00								
B 40	2	8.00								
B 41	2	8.00								
B 42L	1	6.00								
B 42R	1	6.00								
B 43L	2	11.00								

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900747
SCALE-NONE
REV LTR B
SHEET 6 OF 11

MIL 2004 4-63

LEAD SET 2900747 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 43R	2	11.00										
B 44L	2	11.00										
B 44R	2	11.00										
B 45	2	11.00										
B 46	2	8.00										
B 47	2	11.00										
B 48	2	11.00										
B 49	2	4.00										
B 50L	2	7.00										
B 50R	2	7.00										
B 51L	2	11.00										
B 51R	2	11.00										

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900747
SCALE-NONE
REV LTR B
SHEET 7 OF 11

MIL 2004 4-63

LEAD SET 2900747 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 52	2	11.00										
B 53	2	10.00										
B 54L	2	10.00										
B 54R	2	10.00										
B 56L	2	7.00										
B 56R	2	7.00										
B 57L	2	11.00										
B 57R	2	11.00										
B 58	2	10.00										
B 59L	2	10.00										
B 59R	2	10.00										
B 62L	2	9.00										

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900747
SCALE-NONE
REV LTR B
SHEET 8 OF 11

MIL 2004 4-63

LEAD SET 2900747 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B 62R	2	9.00										
B 63L	2	13.00										
B 63R	2	13.00										
B 64	2	11.00										
B 65	2	12.00										
B 66L	2	12.00										
B 66R	2	12.00										
B 68L	2	9.00										
B 68R	2	9.00										
B 69L	2	13.00										
B 69R	2	13.00										
B 70	2	12.00										

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900747
SCALE-NONE
REV LTR B
SHEET 9 OF 11

MIL 2004 4-63

LEAD SET 2900747 ~~A~~B

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	71L	2	12.00										
B	71R	2	12.00										
B	72	2	10.00										
B	73	2	12.00										
B	74	2	10.00										
B	75	2	12.00										
B	76	2	8.00										
B	77	2	8.00										
B	78	2	4.00										
B	79	2	8.00										
B	80	2	4.00										
B	81	2	8.00										

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900747
SCALE-NONE	REV LTR ~~A~~B	SHEET 10 OF 11

MIL 2064 4-63

LEAD SET 2900747 ~~A~~B

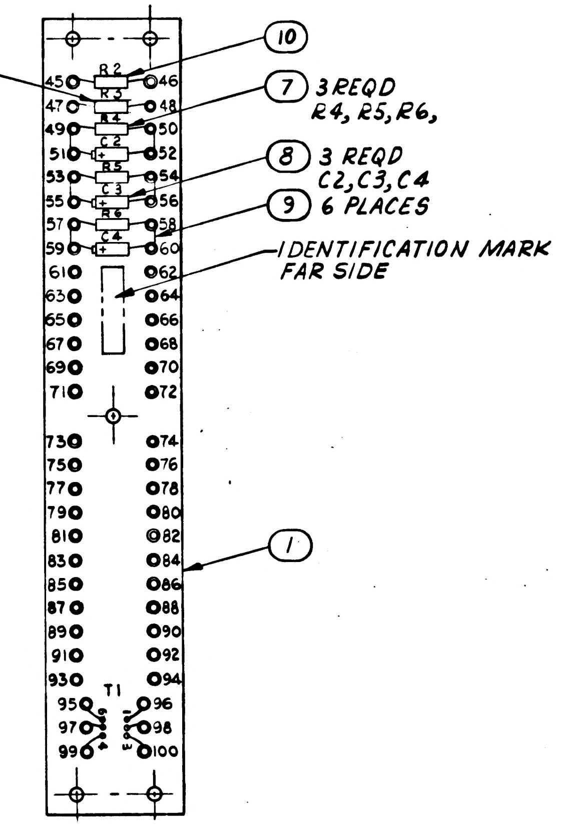
	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
B	84	1	5.00										

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900747
SCALE-NONE	REV LTR ~~A~~B	SHEET 11 OF 11

MIL 2064 4-63

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-STD-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
3. SOLDER PER MIL-S-6872 (ES 2505-1) USING ITEM ⑥ OR ④ AND ⑤.
4. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING
5. BOND ITEM ② TO ITEM ① PER ND 1002203.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD.
A		REVISED PER MXC 204360		9 SEP 65	J.N.P. / JAC
B		REVISED PER MXC 206133		19 OCT 65	R.W.T. / C
C		INITIAL RELEASE CLASS A PER TDRR 23557		20 OCT 65	RCP / CW



⑩
③
⑦ 3 REQD R4, R5, R6,
⑧ 3 REQD C2, C3, C4
⑨ 6 PLACES
IDENTIFICATION MARK FAR SIDE
①
R2
R3
R4
C2
R5
C3
R6
C4
T1
45
46
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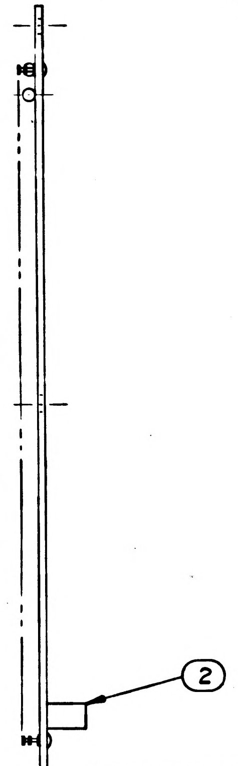


SEE NOTE 4

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			1		10	RC20GF103J	(1896952-073) RESISTOR, FIXED MIL-R-11/3
			1		9	2900758-001	WIRE, 20 AWG, BUSS, QQW-343, TYPE 5, COATED, 4 INCH TOTAL LENGTH
			3		8	CS13AG~~010K~~	(1896954-158) CAPACITOR, ELECTROLYTIC MIL-26655/2
			3		7	RC20GF302J	(1896952-060) RESISTOR, FIXED MIL-R-11/3
			AR		6	SN60 WRAP	SOLDER, QQ-S-571 (ES 2175-3)
			AR		5	MIL-F-14256 TYPE A OR W	FLUX (ES 2798)
			AR		4	SN60WS	SOLDER QQ-S-571 (ES 2175-1)
			1		3	RC20GF202J	(1896952-056) RESISTOR, FIXED MIL-R-11/3
			1		2	1015898-5	TRANSFORMER, AUDIO FREQUENCY
			1		1	2900757	TERMINAL BOARD (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900760-011	2900024-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± — ± — ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Hatchler DATE 10 AUG 65
CHECKED Wilson 12 AUG 65
APPROVAL V. Foss 12 AUG 65
APPROVAL 10-27-65
NASA APPROVAL
MIT APPROVAL
Chesiente 12 AUG 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONICS COMPONENT ASSEMBLY

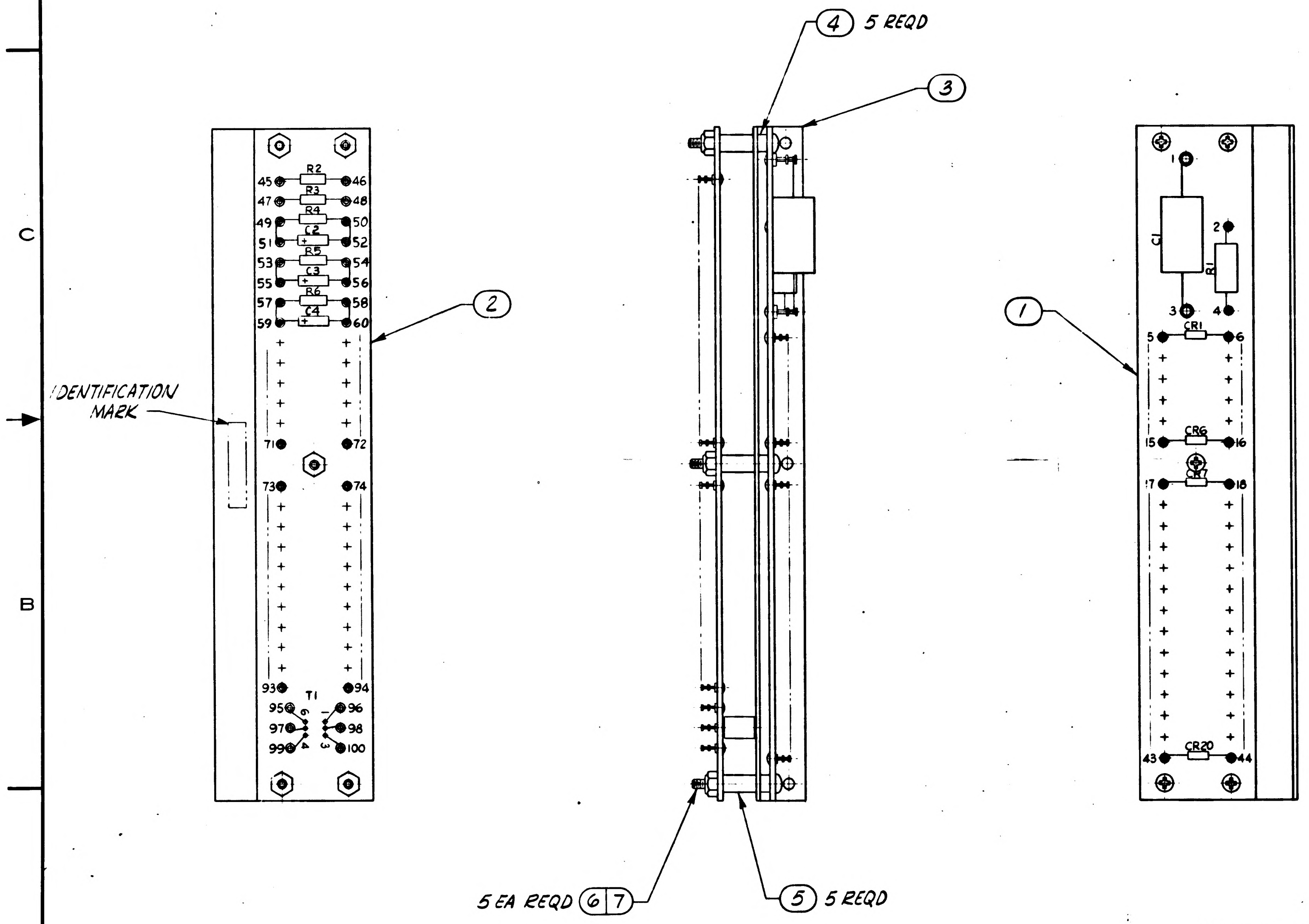
CODE IDENT NO. 99974
SIZE D
2900758
SCALE FULL
SHEET 1 OF 1

MIL 10772 K

B 2900760

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
3. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 204342		7 SEP 65	LK AU
B		INITIAL RELEASE CLASS A PER TDRR 23557		19 OCT 65	LF



4 5 REQD
3
2
1
IDENTIFICATION MARK
R2
R3
R4
C2
R5
C3
R6
C4
45
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T1
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96
97
98
99
100
C1
R1
CR1
CR6
CR7
CR20
1
2
3
4
5
6
15
16
17
18
43
44
5 EA REQD 6 7
5 5 REQD

	QUANTITY REQUIRED	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	011				
SEE NOTE 3	5		7	1016151-006	NUT, SELFLOCKING
	5		6	MS 35216-32	SCREW, PAN HEAD
SEE NOTE 3	5		5	1015860-003	SPACER
SEE NOTE 3	5		4	1015860-025	SPACER
	1		3	2900759	BRACKET, COMPONENT BOARD
	1		2	2900758-011	ELECTRONICS COMPONENT ASSEMBLY
	1		1	2900476-011	ELECTRONICS COMPONENT ASSEMBLY

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900024-011	2900024-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS + — − ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN John A. Kindwalt 11 Aug 65 DATE
CHECKED C. Wilson 12 Aug 65
APPROVAL R. Foss 12 Aug 65
APPROVAL [illegible] 10-22-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 29 Oct
[illegible] 12 Aug 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENT BOARD ASSEMBLY

CODE IDENT NO. 99974
SIZE D
2900760
SCALE 1:1
SHEET 1 OF 1

MIL 10750-F

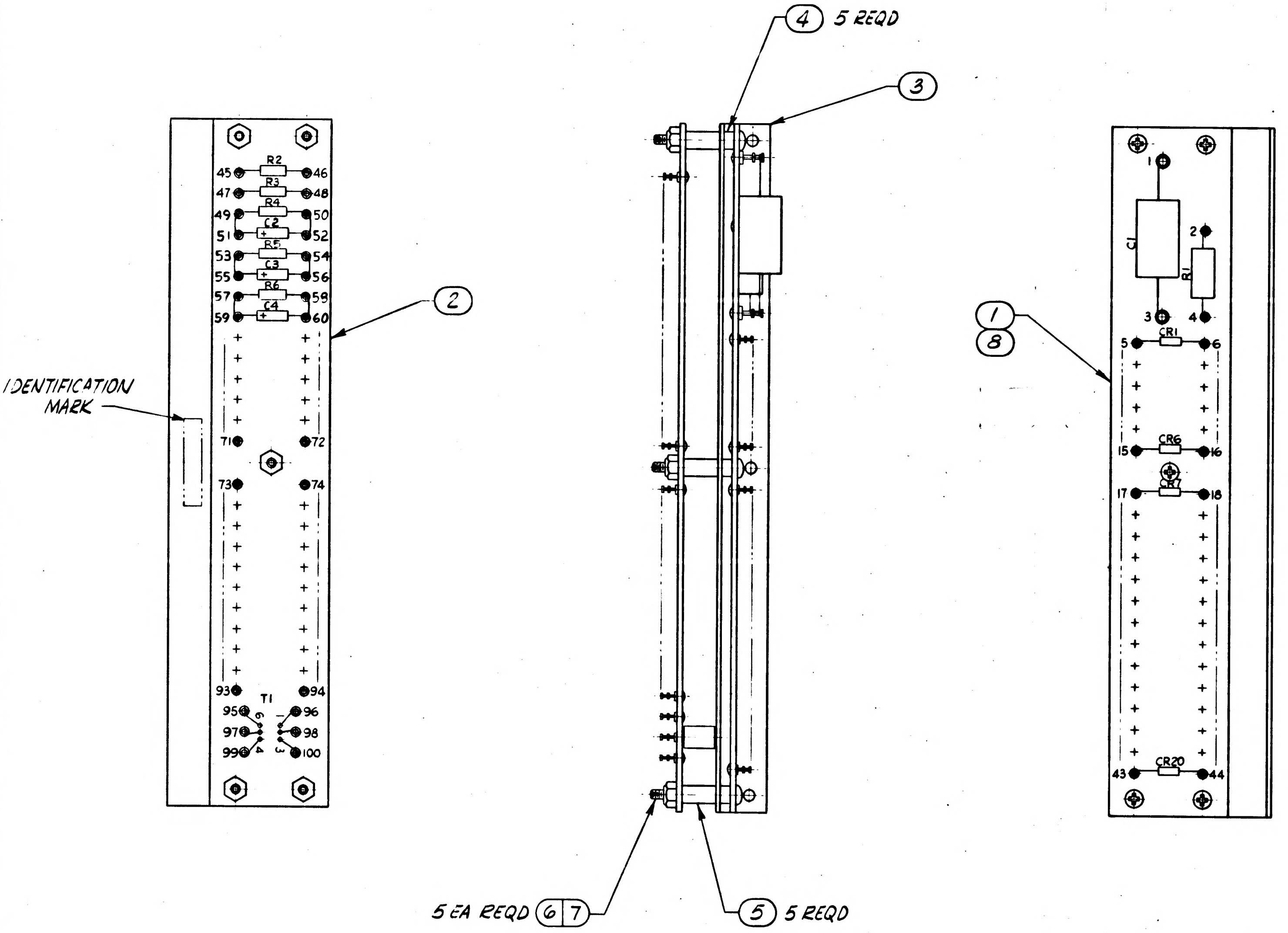
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130(ES-267).
3. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.

C 2900760

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 204342		9 SEP 65	LK AU
B		INITIAL RELEASE CLASS A PER TDRR 23557		19 OCT 65	LF
C		REVISED PER TDRR 27580		6 APR 66	EF



4 5 REQD
3
2
1
8
IDENTIFICATION MARK
5 EA REQD 6 7
5 5 REQD
R2
R3
R4
C2
R5
C3
R6
C4
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93
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T1
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96
97
98
99
100
C1
R1
CR1
CR6
CR7
CR20
1
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43
44

	QTY 021	QTY 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	-		8	2900476-021	ELECTRONICS COMPONENT ASSEMBLY
SEE NOTE 3	5	5		7	1016151-006	NUT, SELFLOCKING
	5	5		6	MS 35216-32	SCREW, PAN HEAD
SEE NOTE 3	5	5		5	1015860-003	SPACER
SEE NOTE 3	5	5		4	1015860-025	SPACER
	1	1		3	2900759	BRACKET, COMPONENT BOARD
	1	1		2	2900758-011	ELECTRONICS COMPONENT ASSEMBLY
	-	1		1	2900476-011	ELECTRONICS COMPONENT ASSEMBLY

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900024-021	2900024-021	
2900024-011	2900024-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN John A. Kondraski DATE 11 AUG 65
CHECKED C. Wilson 12 AUG 65
APPROVAL V. Foss 12 AUG 65
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL
12 AUG 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENT BOARD
ASSEMBLY

CODE IDENT NO. 99974
SIZE D
2900760
SCALE 1:1
SHEET 1 OF 1

MIL 10780-P

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. FINISH: TWO COATS OF ITEM ⑬.
3. ASSEMBLE CABINET COMPLETE, ITEM ④ AT TOP REAR
4. SHIP ITEM ⑫ LOOSE

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		REVISED PER D.O. 60948		24 AUG 65	A.J.F. E.L. 8-25-65
B		REVISED PER MXC 205796		9 OCT 65	RLP EF
C		REVISED PER MXC-206115		19-OCT-65	B.
D		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	JR CW

SOURCE OF SUPPLY:
INGERSOLL PRODUCTS (85005)
DIVISION OF BORG-WARNER CORP
1000 WEST 20TH STREET
CHICAGO 43, ILLINOIS

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
18	8	AHWX-092-003219	NUT, CAPTIVE
17	8	HW 201	NUT, "J" TYPE SPEED
16	20	HW 210	NUT, "J" TYPE SPEED
15	4	HW 105	SCREW, ORNAMENTAL HEAD SELF TAPPING
14	24	HW 111	SCREW, ROUND HEAD SELF TAPPING
13	AR	TT-E-529 CLASS B	ENAMEL, DARK GREY, COLOR 26251, FED-STD-595
12	2PR	CGS-15A	CHASSIS GUIDE AND SUPPORT
11	~~1PR~~	~~PMA-35A~~	~~ANGLE~~
10	~~1~~	~~SH-22A~~	~~SHELF, EQUIPMENT~~
9	4	HW-486	CASTER
8	1	PN-24	PANEL, FRONT, BOTTOM
7	1	PN-17	PANEL, BOTTOM
6	1	PN-12	PANEL, TOP
5	~~1~~	~~PN-7~~	~~PANEL, REAR, BOTTOM~~
4	1	D035C-RH	DOOR, REAR, TOP
3	1	SP-75A-LH	SIDE PANEL, LEFT HAND
2	1	SP-75A-RH	SIDE PANEL, RIGHT HAND
1	1	FR-75A	ENCLOSURE FRAME

LIST OF PARTS AND MATERIALS

APPLICATION	
NEXT ASSY	USED ON
2900837-011	2900708-011

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 16 AUG 65 DATE
CHECKED C. Pioyda 18 AUG 65
APPROVAL R. Tagfeld 18 AUG 65
APPROVAL G. Herman 10-20-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABINET, RESOLVER CIRCUIT TESTER
SOURCE CONTROL DRAWING

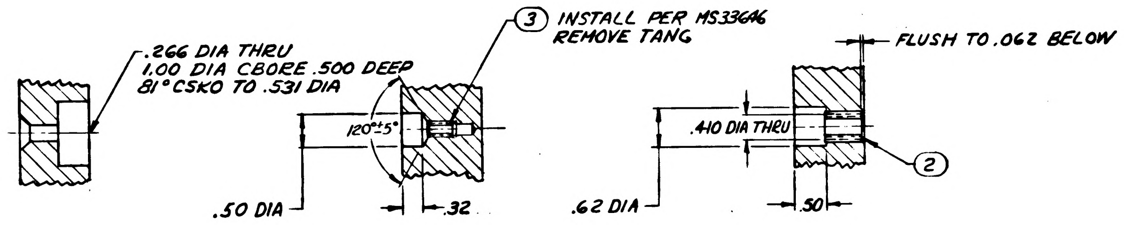
CODE IDENT NO. 99974
SIZE C
2900762
SCALE —
SHEET 1 OF 1

2900762 D

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TEMPER T-651 ALUMINUM ALLOY (ES2106 TYPE 6061).
3. FINISH: MIL-C-5541 CHEMICAL FILM (ES591).
4. UNLESS OTHERWISE SPECIFIED:
   a. ALL CORNERS TO BE .010 R OR CHAMFER.
   B. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
5. MUST BE FREE FROM BURRS.
6. INSERTS TO BE FREE FROM ALL CHIPS.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).

REVISIONS 23398					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		INITIAL RELEASE CLASS A PER TDRR 23398		5 OCT 65	

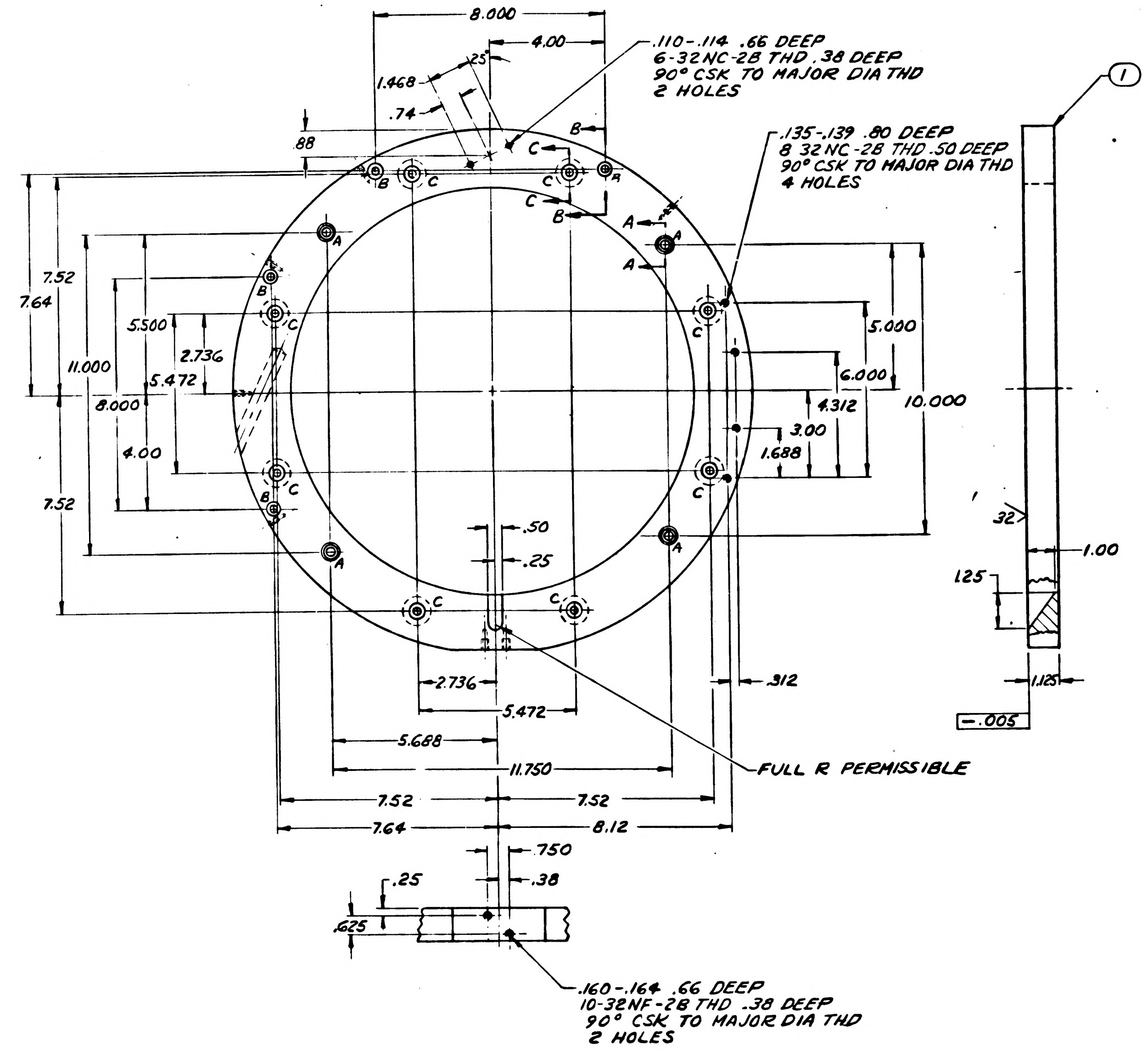


.266 DIA THRU
1.00 DIA CBORE .500 DEEP
81° CSKO TO .531 DIA
120°±5°
.50 DIA
.32
③ INSTALL PER MS33646
REMOVE TANG
FLUSH TO .062 BELOW
.410 DIA THRU
②
.62 DIA
.50

PARTIAL SECTION CC
SCALE 1/1
8 HOLES MARKED C

PARTIAL SECTION BB
SCALE 1/1
4 HOLES MARKED B

PARTIAL SECTION AA
SCALE 1/1
4 HOLES MARKED A



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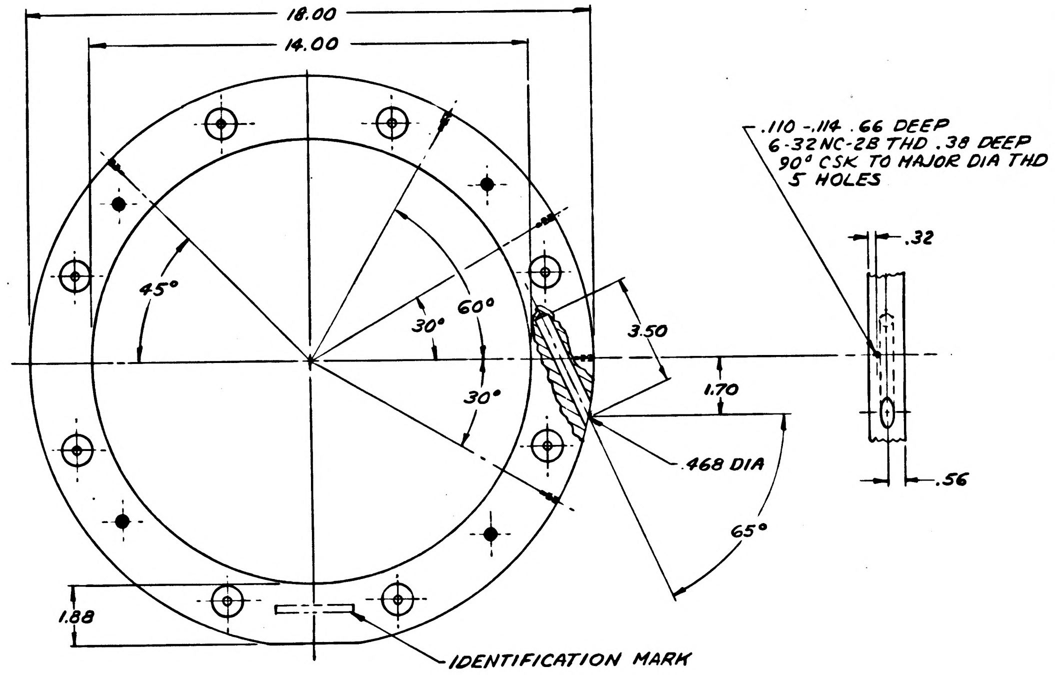
25°
1.468
.74
.88
.110-.114 .66 DEEP
6-32NC-2B THD .38 DEEP
90° CSK TO MAJOR DIA THD
2 HOLES
.135-.139 .80 DEEP
8 32NC-2B THD .50 DEEP
90° CSK TO MAJOR DIA THD
4 HOLES
①
A
B
C
7.52
7.64
11.000
5.500
2.736
5.472
8.000
4.00
7.52
5.000
6.000
4.312
3.00
1.688
10.000
.50
.25
32
1.00
1.25
.125
-.005
2.736
5.472
.312
5.688
11.750
FULL R PERMISSIBLE
7.52
7.52
7.64
8.12
.750
.38
.25
.625
.160-.164 .66 DEEP
10-32NF-2B THD .38 DEEP
90° CSK TO MAJOR DIA THD
2 HOLES



18.00
14.00
45°
30°
60°
30°
3.50
1.70
.468 DIA
65°
1.88
IDENTIFICATION MARK
.110-.114 .66 DEEP
6-32NC-2B THD .38 DEEP
90° CSK TO MAJOR DIA THD
5 HOLES
.32
.56

SEE NOTES 2&3

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
3	4	MS21209F1-20	(1897059-301, INSERT, SCREW THD SELF-LOCKING
2	4	MS35914-54	INSERT, SELF TAPPING
1	1	2900765-001	MOUNTING FLANGE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
1900502-021	1900010-021

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS ±.005 ±.02 ANGLES + − 1°
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 13 AUG 65 DATE
CHECKED 20 Aug 65
APPROVAL A. Smith 20 Aug 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER,
HOUSTON, TEXAS

FLANGE, GIMBAL MOUNTING
(INSEPARABLE ASSEMBLY)

CODE IDENT NO 99974
SIZE E
2900765
SCALE 1/2
SHEET 1 OF 1

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23398		18 OCT 65	RH EW

REVISIONS 23398

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. CHARACTERS TO BE 8 POINT FUTURA DEMIBOLD PER ND 1002122 TYPE I, CLASS I, COLOR LITHO BLACK, CENTRALIZE AS SHOWN, EXCEPT TITLE (IMU INSTALLATION PROCEDURE), TO BE 12 POINT FUTURA DEMIBOLD.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES 267).
4. DECAL SHALL BE MADE IN ACCORDANCE WITH MIL-D-8634B TYPE II.

11.00

7.75

IMU INSTALLATION PROCEDURE

1.A. FOR IMU 1000201 OR 1001500:

PROPERLY INVERT AND ORIENT THE ADAPTER SET ON THE GIMBAL MOUNTING FLANGE IN THE STORAGE LOCATION (SEE DIAGRAM 1.) AND FASTEN WITH THE #10-32 SCREWS AND FLAT WASHERS PROVIDED TO A TORQUE OF 115-125 IN. LBS. ALTERNATING IN 20 IN. LB. INCREMENTS.

B. FOR IMU 2018601:

PROPERLY ORIENT THE ADAPTER SET ON THE GIMBAL MOUNTING FLANGE (SEE DIAGRAM 2.) AND TORQUE THE CAPTIVE MOUNTING SCREWS TO 140-150 IN. LBS. ALTERNATING IN 20 IN. LB. INCREMENTS.

2. CHARGE THE CONTAINER IN ACCORDANCE WITH THE PLACARD LOCATED ON THE BACK OF THE CONTROLS ACCESS PANEL.

3.A. FOR IMU 1000201 OR 1001500:

PROPERLY ORIENT AND CAREFULLY PLACE THE IMU ON THE GIMBAL MOUNTING FLANGE. TORQUE DIAGONALLY OPPOSITE IMU CAPTIVE MOUNTING SCREWS ALTERNATING FROM SET TO SET TO 140-150 IN. LBS. IN 20 IN. LB. INCREMENTS.

B. FOR IMU 2018601:

PROPERLY ORIENT AND CAREFULLY PLACE THE IMU ON THE ADAPTER SET AND, USING THE #10-32 SCREWS AND FLAT WASHERS PROVIDED, TORQUE DIAGONALLY OPPOSITE SCREWS ALTERNATING FROM SET TO SET TO 115-125 IN. LBS. IN 20 IN. LB. INCREMENTS.

4. REMOVE ANY AND ALL HANDLING ADAPTORS WHICH MAY HAVE BEEN ATTACHED TO THE IMU FOR HANDLING.

5. ACCURATELY POSITION THE MAXIMUM POINTER OF THE MAXIMUM-MINIMUM TEMPERATURE INDICATOR AT 140°F AND THE MINIMUM POINTER AT 120°F.

6. DISCONNECT ALL ELECTRICAL HEATER POWER FROM THE IMU.

7. INSTALL THE CONTAINER COVER AND SECURE ALL LATCHES.

8. CAUTION: TIME TO INSTALL THE IMU SHALL NOT EXCEED 15 MINUTES. IF THE CAPSULE TEMPERATURE INDICATED IS BELOW 120°F AFTER THE COVER IS INSTALLED, DO NOT RECONNECT THE HEATERS. OBSERVE THE CAPSULE GAGE UNTIL THE TEMPERATURE HAS REACHED AN OPERATING RANGE OF 136° TO 140°F BEFORE SHIPPING.

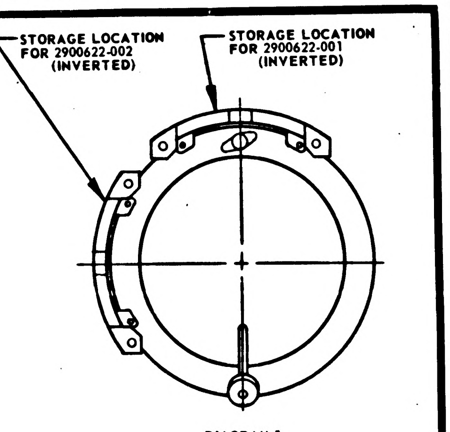

STORAGE LOCATION FOR 2900622-002 (INVERTED)
STORAGE LOCATION FOR 2900622-001 (INVERTED)

DIAGRAM 1

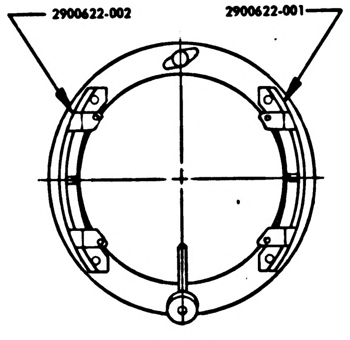


DIAGRAM 2

TOP VIEW, WITH COVER REMOVED AND CONTROLS ACCESS PANEL TOWARDS OPERATOR, SHOWING ALTERNATIVE POSITIONS OF ADAPTER SET ON GIMBAL MOUNTING FLANGE

1900500-021	1900010-021
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ±.10 ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL
Contract NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Weissert DATE 13-AUG-65
CHECKED Ed Foster 24 AUG 65
APPROVAL A. Smith 24 AUG 65
APPROVAL C. Gediman 10/12/65
NASA APPROVAL
MIT APPROVAL W Kupfer 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DECAL - INSTALLATION

SOURCE CONTROL DRAWING

CODE IDENT NO. 99974
SIZE C
2900766
SCALE
SHEET 1 OF 1

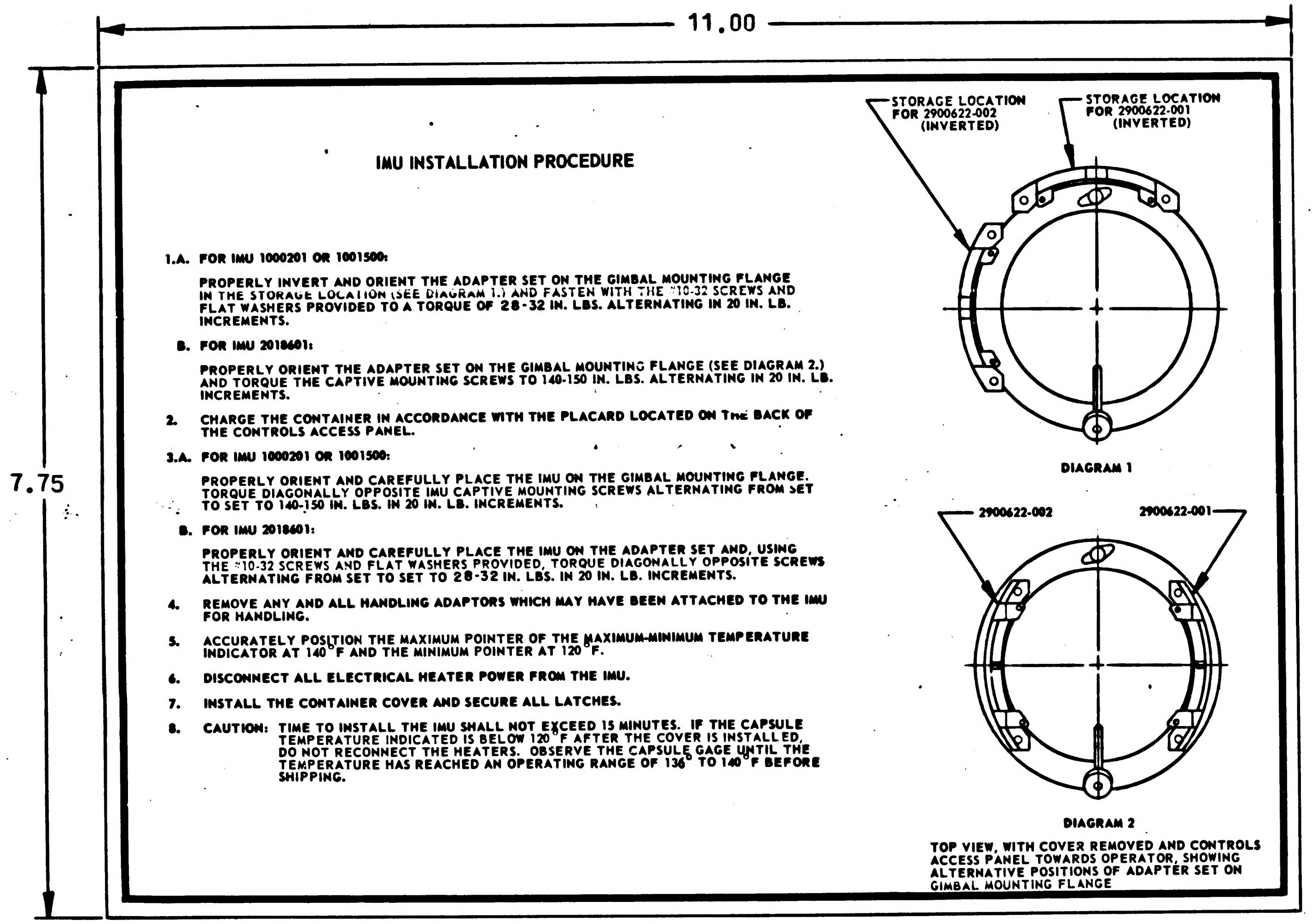
MIL 1077C—P

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		REVISIONS 23398			
A		INITIAL RELEASE CLASS A PER TDRR 23398		18 OCT 65	RH / ew
B		REVISED PER TDRR 31244		29 SEP 66	EC / JPW

Ⓜ

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. CHARACTERS TO BE 8 POINT FUTURA DEMIBOLD PER ND 1002122 TYPE I, CLASS I, COLOR LITHO BLACK, CENTRALIZE AS SHOWN, EXCEPT TITLE (IMU INSTALLATION PROCEDURE), TO BE 12 POINT FUTURA DEMIBOLD.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES 267).
4. DECAL SHALL BE MADE IN ACCORDANCE WITH MIL-D-8634B TYPE II.


11.00
7.75
STORAGE LOCATION FOR 2900622-002 (INVERTED)
STORAGE LOCATION FOR 2900622-001 (INVERTED)
DIAGRAM 1
2900622-002
2900622-001
DIAGRAM 2

IMU INSTALLATION PROCEDURE

1.A. FOR IMU 1000201 OR 1001500:

PROPERLY INVERT AND ORIENT THE ADAPTER SET ON THE GIMBAL MOUNTING FLANGE IN THE STORAGE LOCATION (SEE DIAGRAM 1.) AND FASTEN WITH THE #10-32 SCREWS AND FLAT WASHERS PROVIDED TO A TORQUE OF 28-32 IN. LBS. ALTERNATING IN 20 IN. LB. INCREMENTS.

B. FOR IMU 2018601:

PROPERLY ORIENT THE ADAPTER SET ON THE GIMBAL MOUNTING FLANGE (SEE DIAGRAM 2.) AND TORQUE THE CAPTIVE MOUNTING SCREWS TO 140-150 IN. LBS. ALTERNATING IN 20 IN. LB. INCREMENTS.

2. CHARGE THE CONTAINER IN ACCORDANCE WITH THE PLACARD LOCATED ON THE BACK OF THE CONTROLS ACCESS PANEL.

3.A. FOR IMU 1000201 OR 1001500:

PROPERLY ORIENT AND CAREFULLY PLACE THE IMU ON THE GIMBAL MOUNTING FLANGE. TORQUE DIAGONALLY OPPOSITE IMU CAPTIVE MOUNTING SCREWS ALTERNATING FROM SET TO SET TO 140-150 IN. LBS. IN 20 IN. LB. INCREMENTS.

B. FOR IMU 2018601:

PROPERLY ORIENT AND CAREFULLY PLACE THE IMU ON THE ADAPTER SET AND, USING THE #10-32 SCREWS AND FLAT WASHERS PROVIDED, TORQUE DIAGONALLY OPPOSITE SCREWS ALTERNATING FROM SET TO SET TO 28-32 IN. LBS. IN 20 IN. LB. INCREMENTS.

4. REMOVE ANY AND ALL HANDLING ADAPTORS WHICH MAY HAVE BEEN ATTACHED TO THE IMU FOR HANDLING.

5. ACCURATELY POSITION THE MAXIMUM POINTER OF THE MAXIMUM-MINIMUM TEMPERATURE INDICATOR AT 140°F AND THE MINIMUM POINTER AT 120°F.

6. DISCONNECT ALL ELECTRICAL HEATER POWER FROM THE IMU.

7. INSTALL THE CONTAINER COVER AND SECURE ALL LATCHES.

8. CAUTION: TIME TO INSTALL THE IMU SHALL NOT EXCEED 15 MINUTES. IF THE CAPSULE TEMPERATURE INDICATED IS BELOW 120°F AFTER THE COVER IS INSTALLED, DO NOT RECONNECT THE HEATERS. OBSERVE THE CAPSULE GAGE UNTIL THE TEMPERATURE HAS REACHED AN OPERATING RANGE OF 136° TO 140°F BEFORE SHIPPING.

TOP VIEW, WITH COVER REMOVED AND CONTROLS ACCESS PANEL TOWARDS OPERATOR, SHOWING ALTERNATIVE POSITIONS OF ADAPTER SET ON GIMBAL MOUNTING FLANGE

1900500-021	1900010-021
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± —— DECIMALS ± .10 ANGLES ± ——	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN ACSP PN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Weissert DATE 13-AUG-65 CHECKED Ed Foster 24AUG65 APPROVAL A. Smith 24AUG65 APPROVAL L. Godiman 10/12/65	DECAL - INSTALLATION SOURCE CONTROL DRAWING
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974 SIZE C 2900766
Contract NAS 9-497	MIT APPROVAL N Kupfer 20 Oct 65	SCALE SHEET 1 OF 1

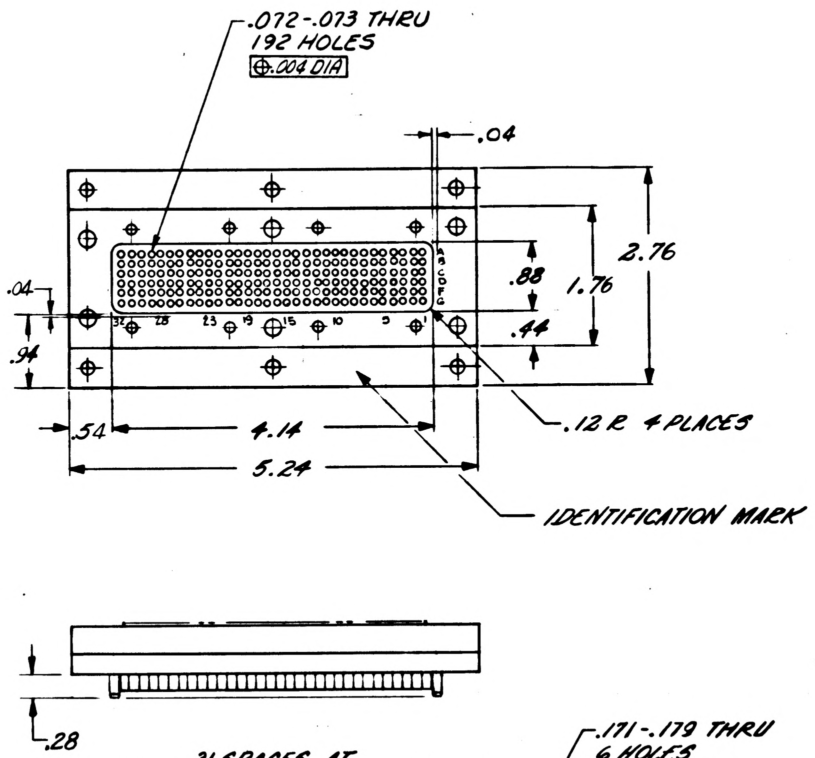
MIL 1077C—P

2900767 B

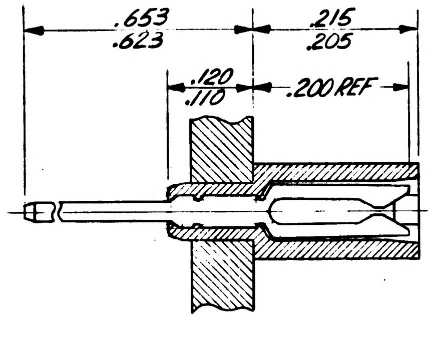
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		REVISED PER MXC 206811		17 NOV 65	JHP
B		INITIAL RELEASE CLASS A PER TDRR 2[illegible]		13 DEC 65	J.A.C.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TEMPER T651 (ES 2106 AL ALY 6061).
3. FINISH: MIL-A-8625, TYPE I (ES 385 ANODIZE).
4. ALL CORNERS MUST BE .005 TO .015 R OR CHAMFER.
5. MUST BE FREE FROM BURRS.
6. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
8. COAT ITEM ② WITH ITEM ⑤ & INSTALL PER MS 33646.
9. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
10. MARK CHARACTERS PER ND 1002019 .094 HIGH COLOR BLACK CENTRALIZE AS SHOWN.



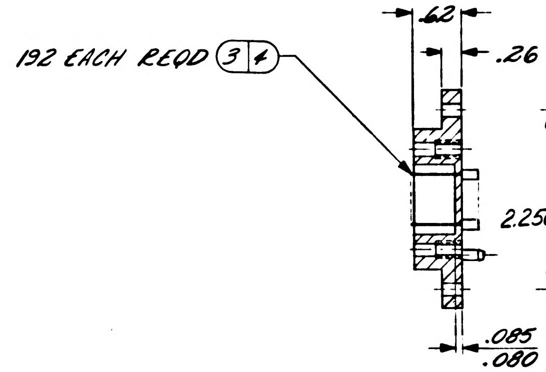
.072-.073 THRU
192 HOLES
⊕.004 DIA
.04
2.76
.88
1.76
.44
.04
.94
.54
4.14
5.24
.12 R 4 PLACES
IDENTIFICATION MARK
32
28
23
19
15
10
5
1
.28



.653
.623
.215
.205
.120
.110
.200 REF

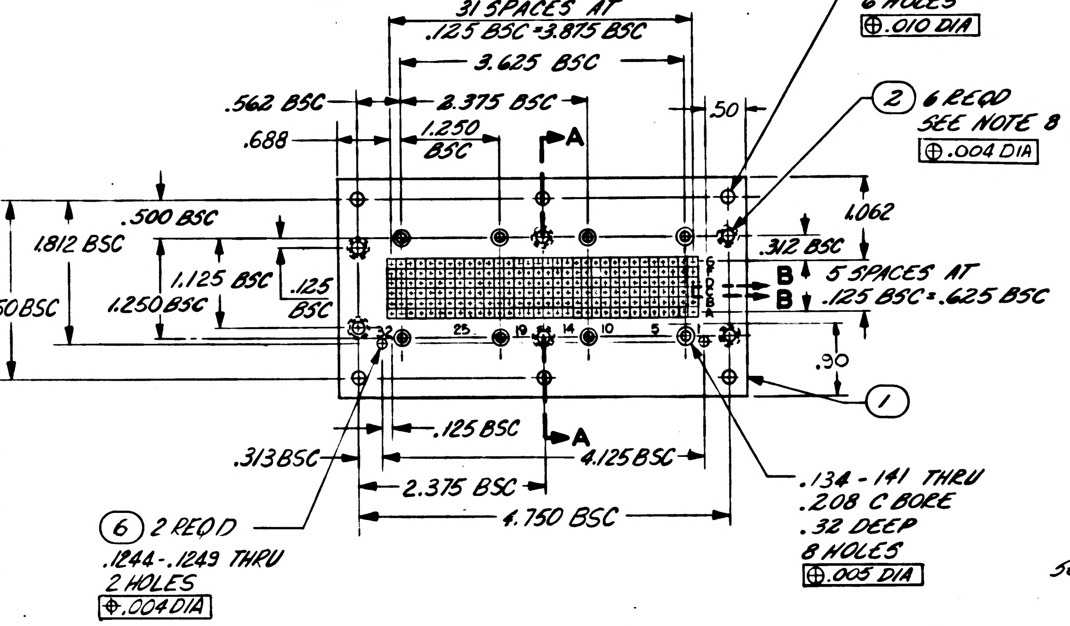
SECTION B-B

SCALE 10:1



192 EACH REQD ③ ④
.62
.26
.085
.080

SECTION A-A



31 SPACES AT
.125 BSC = 3.875 BSC
3.625 BSC
.562 BSC
2.375 BSC
.50
.688
1.250 BSC
A
.171-.179 THRU
6 HOLES
⊕.010 DIA
② 6 REQD
SEE NOTE 8
⊕.004 DIA
.062
.500 BSC
1.812 BSC
.312 BSC
1.125 BSC
.125 BSC
B
B
5 SPACES AT
.125 BSC = .625 BSC
2.250 BSC
1.250 BSC
32
25
19
14
10
5
1
.90
①
.125 BSC
A
.313 BSC
4.125 BSC
2.375 BSC
4.750 BSC
.134-.141 THRU
.208 C BORE
.32 DEEP
8 HOLES
⊕.005 DIA
⑥ 2 REQD
.1244-.1249 THRU
2 HOLES
⊕.004 DIA

11. THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	6	2	MS16555-27	PIN
	5	AR	MIL-P-8585	ZINC CHROMATE PRIMER (ES 2589
SEE NOTE 9	4	192	1897263-002	CONTACT, ELEC - FEMALE
SEE NOTE 9	3	192	1897265	INSULATOR, BUSHING - FEMALE
	2	6	MS 21209-C0820	INSERT, SCREW THD
SEE NOTES 2 & 3	1	1	2900767-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900779-011	2900664-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + _ − | DECIMALS ±.02 ±.005 | ANGLES + _ −
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN A. J. Fiegler DATE 24 AUG 65
CHECKED 25 AUG 65
APPROVAL
APPROVAL C Snoding
NASA APPROVAL
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

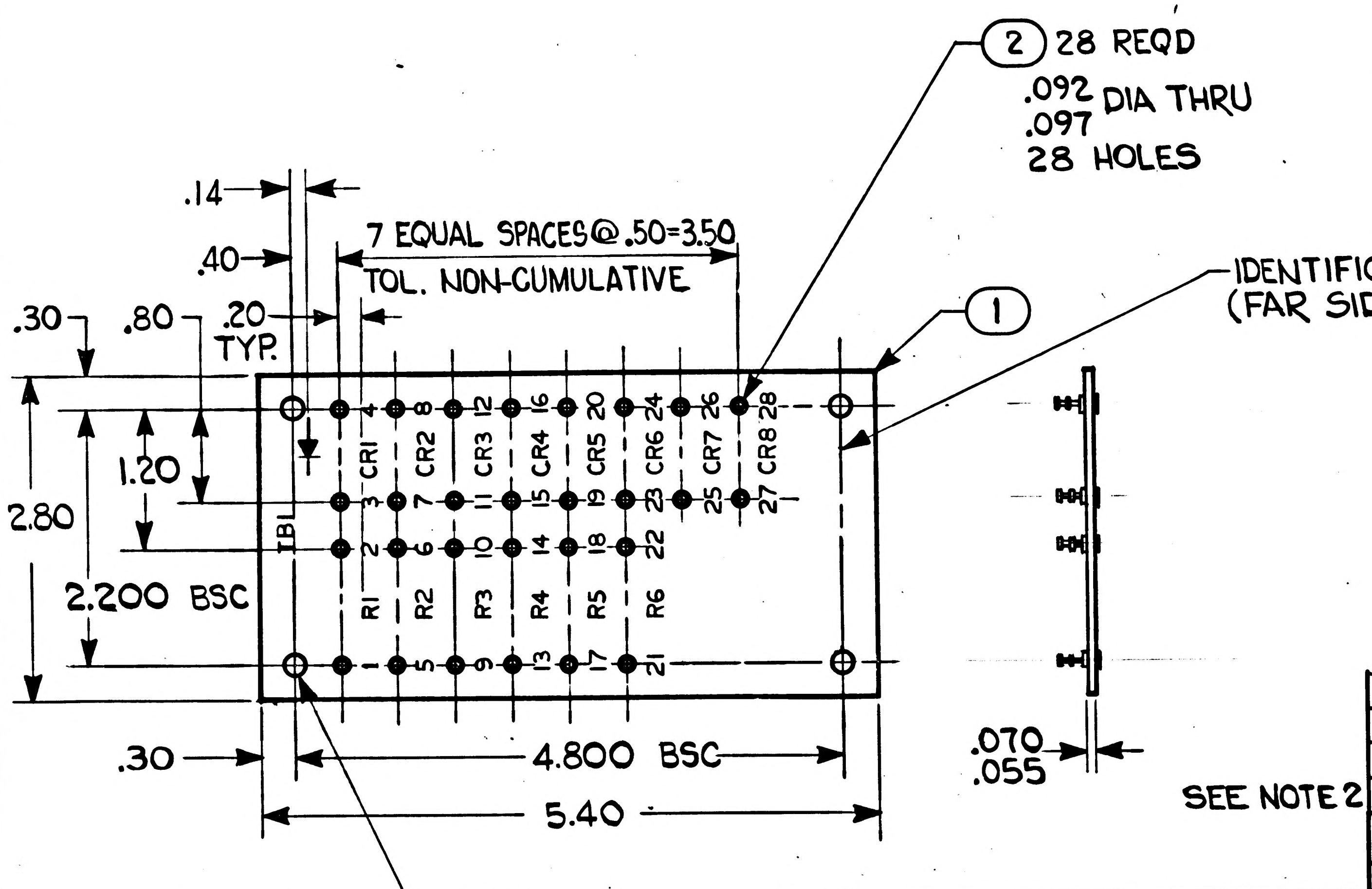
BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900767
SCALE FULL
SHEET 1 OF 1

REVISIONS		23418			
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		REVISED PER MXC 206011		16 OCT 65	J.H.P.
B		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: MIL-P-18177 TYPE GEE, LAMINATED GLASS CLOTH EPOXY RESIN (ES2744-1).
3. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
4. MARK CHARACTERS PER ND 1002019, .06 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.
5. MUST BE FREE FROM BURRS AND SHARP EDGES.



② 28 REQD
.092 .097 DIA THRU
28 HOLES
.14
.40
7 EQUAL SPACES @ .50=3.50
TOL. NON-CUMULATIVE
IDENTIFICATION MARK (FAR SIDE)
①
.30
.80
.20 TYP.
1.20
2.80
2.200 BSC
TB1
CR1
CR2
CR3
CR4
CR5
CR6
CR7
CR8
R1
R2
R3
R4
R5
R6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
.30
4.800 BSC
5.40
.070 .055
.150 .157 THRU
4 HOLES
⊕ .010 DIA

SEE NOTE 2

2	28	MS17122-6	TERMINAL, STUD
1	1	2900768-001	TERMINAL BOARD
ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900769-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ ___ −	±.02 ±.005	+ ___ −

DO NOT SCALE THIS DRAWING

MATERIAL AS NOTED

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Hutinski DATE 7 SEP 65
CHECKED J. GRIEB 27 SEP 65
APPROVAL A. Altenbach 29 SEP 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

Charleston 28 SEP 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

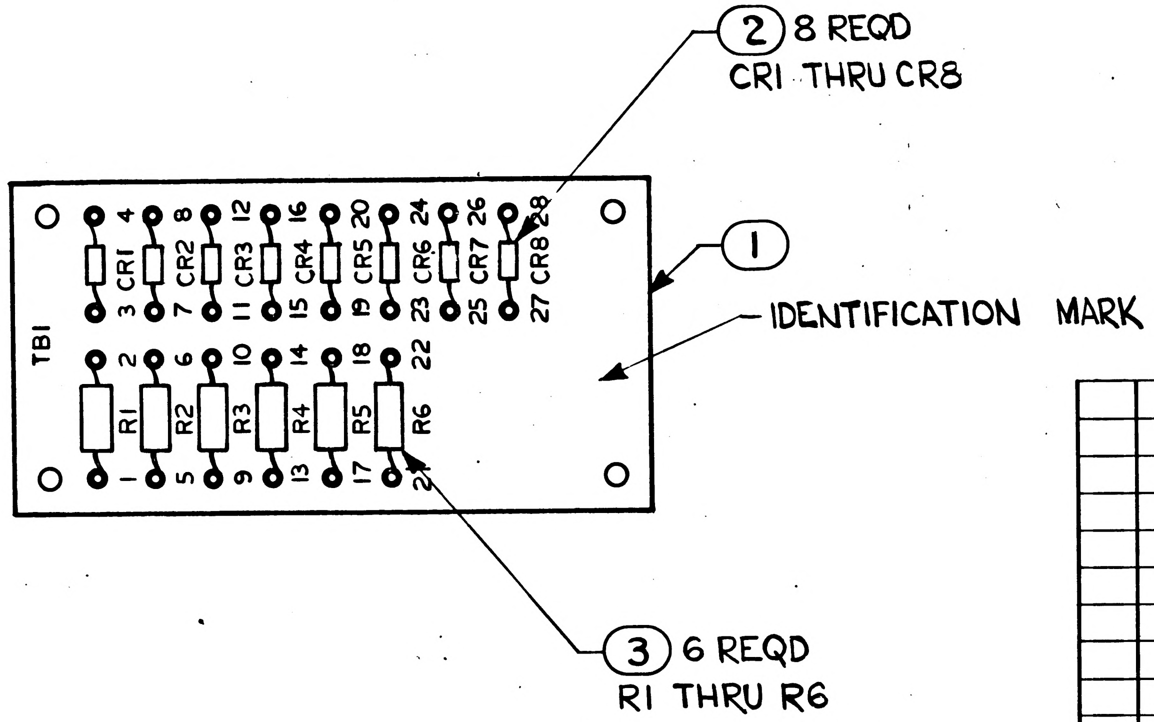
TERMINAL BOARD
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE C
2900768
SCALE FULL
SHEET 1 OF 1

REVISIONS 23418					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 2-418		19 OCT 65	JR / CW

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM ④ OR ITEMS ⑤ AND ⑥.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).


② 8 REQD
CR1 THRU CR8
①
IDENTIFICATION MARK
③ 6 REQD
R1 THRU R6
TB1
CR1
CR2
CR3
CR4
CR5
CR6
CR7
CR8
R1
R2
R3
R4
R5
R6
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
AR		6	MIL-F-14256 TYPE A ORW	FLUX (ES2798)
AR		5	SN60WS	SOLDER QQ-S-571 (ES2175-1)
AR		4	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
6		3	RC32GF122J	(1896953-065) RESISTOR MIL-R-11/6
8		2	IN645 (1896966-004)	SEMICOND. DEVICE-DIODE MIL-S-19500/240A
1		1	2900768	TERMINAL BOARD (INSEPARABLE ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900770-011	2900770-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Stuick DATE 8 SEP 65
CHECKED J. GRIEB 27 SEP 65
APPROVAL A. Altenbach 29 Sep 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

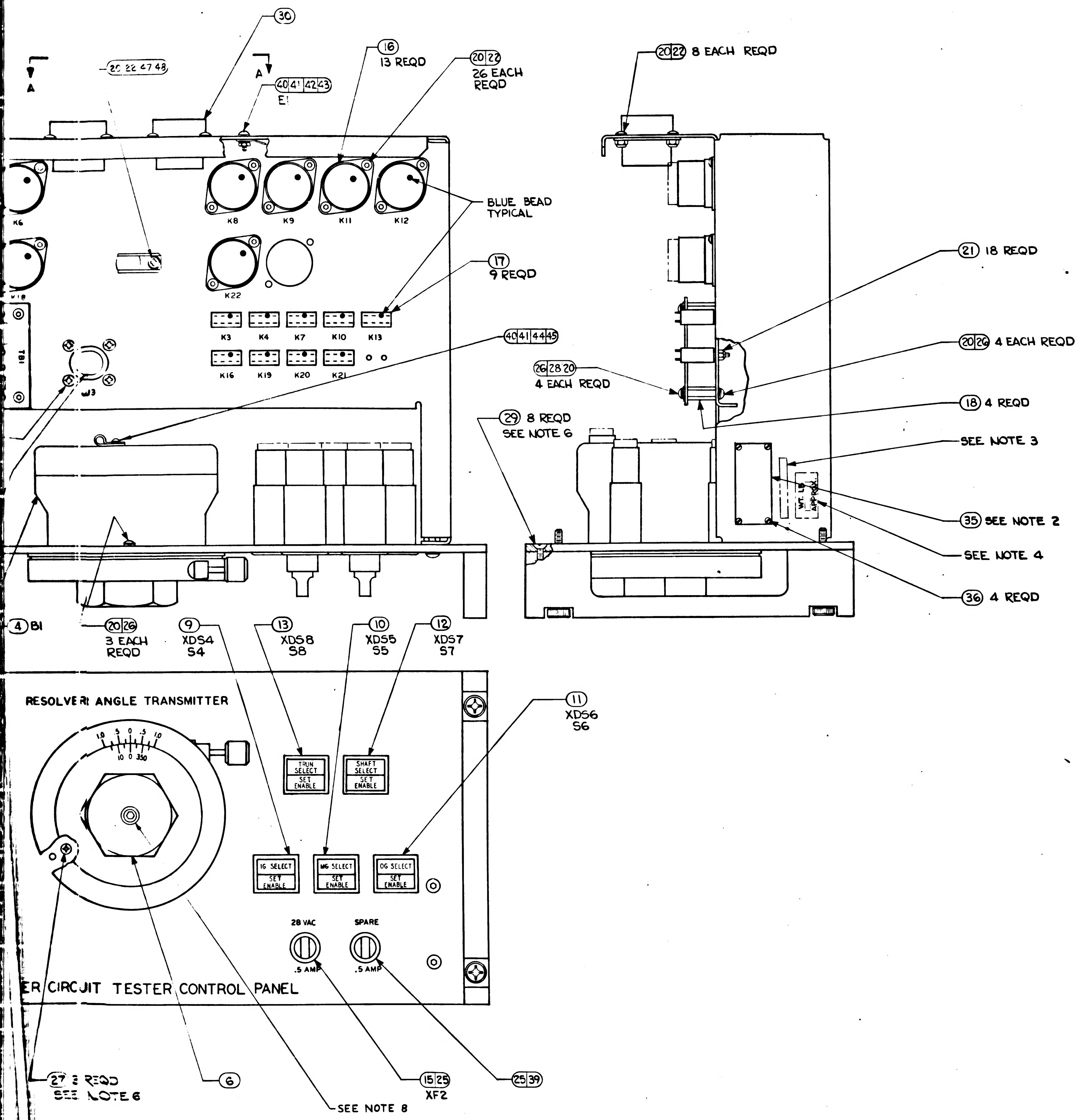
COMPONENT BOARD ASSEMBLY

CODE IDENT NO. 99974
SIZE C
2900769
SCALE FULL
SHEET 1 OF 1

Charleston 28 SEP 65

MIL 1078C—P

REVISIONS 3118					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206012		18 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 23418		6 OCT 65	



30
20 22 47 48
A
40 41 42 43
16 13 REQD
20 22 26 EACH REQD
K6
K8
K9
K11
K12
BLUE BEAD TYPICAL
K22
17 9 REQD
K3
K4
K7
K10
K13
K16
K19
K20
K21
TB1
J3
40 41 44 45
20 22 8 EACH REQD
21 18 REQD
20 26 4 EACH REQD
26 28 20 4 EACH REQD
18 4 REQD
29 8 REQD SEE NOTE 6
SEE NOTE 3
WT. LB. APPROX.
35 SEE NOTE 2
SEE NOTE 4
36 4 REQD
4 B1
20 26 3 EACH REQD
9 XDS4 S4
13 XDS8 S8
10 XDS5 S5
12 XDS7 S7
11 XDS6 S6
RESOLVER ANGLE TRANSMITTER
TRUN SELECT SET ENABLE
SHAFT SELECT SET ENABLE
IG SELECT SET ENABLE
MG SELECT SET ENABLE
OG SELECT SET ENABLE
28 VAC .5 AMP
SPARE .5 AMP
ER CIRCUIT TESTER CONTROL PANEL
27 3 REQD SEE NOTE 6
6
SEE NOTE 8
15 25 XF2
25 39

				X		49		PROCUREMENT SPECIFICATION
SEE NOTE 7				1		48	1015986-167	WASHER, SADDLE
SEE NOTE 7				1		47	1015985-009	CLAMP, LOOP
				1		46	2900741	WIRING HARNESS "B"
SEE NOTE 7				1		45	1015986-140	WASHER, SADDLE
SEE NOTE 7				1		44	1015985-003	CLAMP, LOOP
				1		43	AN960C4	(1897006-024) WASHER, FLAT
				1		42	MS35649-44	NUT, PLAIN
				2		41	MS35338-78	WASHER, LOCK, SPLIT
				2		40	MS35216-15	SCREW, PAN HD
				2		39	MS26572-1	FUSEHOLDER
				1		38	2900798	LEAD SET A-A
				AR		37	MIL-S-22473, GRADE H	SEALING AND RETAINING COMPOUND
				4		36	MS 35216-3	SCREW, PAN HD
				1		35	1004260-152	NAMEPLATE
				AR		34	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		33	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				AR		32	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				☒		31	2900707	SCHEMATIC DIAGRAM, ELECTRICAL
				1		30	2900799	WIRING HARNESS "A"
				8		29	AN507C832R12	(1897003-568) SCREW, FLAT HD
				4		28	AN960C6	(1897006-026) WASHER-FLAT
				3		27	AN507C632-8	(1897003-036) SCREW, FLAT, HD
				11		26	MS35338-79	WASHER, LOCK, SPLIT
				2		25	F02A250V1/2A	(1897099-007) FUSE-CTG MIL-F-15160/02
				2		24	F02A250V3A	(1897099-012) FUSE-CTG MIL-F-15160/02
SEE NOTE 7				4		23	1016151-010	NUT-SELF LOCKING
				39		22	1016151-006	NUT-SELF LOCKING
				18		21	1016151-004	NUT-SELF LOCKING
				50		20	1006783-23	SCREW, BUTTON HD
				4		19	1006783-45	SCREW, BUTTON HD
				4		18	1016000-007	STAND-OFF, THD, HEX
				9		17	1015832-318	RELAY-ELECTROMAGNETIC
				13		16	1015837-001	RELAY-ARMATURE
				2		15	1015873-008	FUSEHOLDER
				1		14	1897337-751	INDICATOR SWITCH ASSEMBLY
				1		13	-307	
				1		12	-306	
				1		11	-305	
				1		10	-304	
				1		9	-303	
				1		8	-302	
				1		7	1897337-301	INDICATOR SWITCH ASSEMBLY
				1		6	1897352-006	DIAL CONTROL
SEE NOTE 7				2		5	1900015-051	HANDLE ASSY
				1		4	2900790-011	RESOLVER ASSY
				1		3	2900769-011	COMPONENT BOARD ASSY
				1		2	2900772	CHASSIS, CONTROL PANEL
				1		1	2900771	PANEL, FRONT
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 10SEP65
CHECKED J. GRIEB 28SEP65
APPROVAL 29 Sep 65
APPROVAL J. M. Watson 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONTROL PANEL ASSEMBLY
RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974
SIZE J
2900770
SCALE FULL
SHEET OF

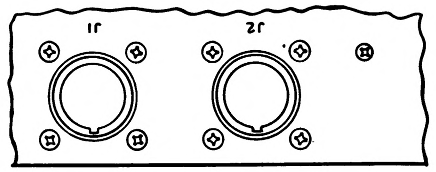
SEP 22 65

2900770
REV LTR B
SHEET 1 OF 1

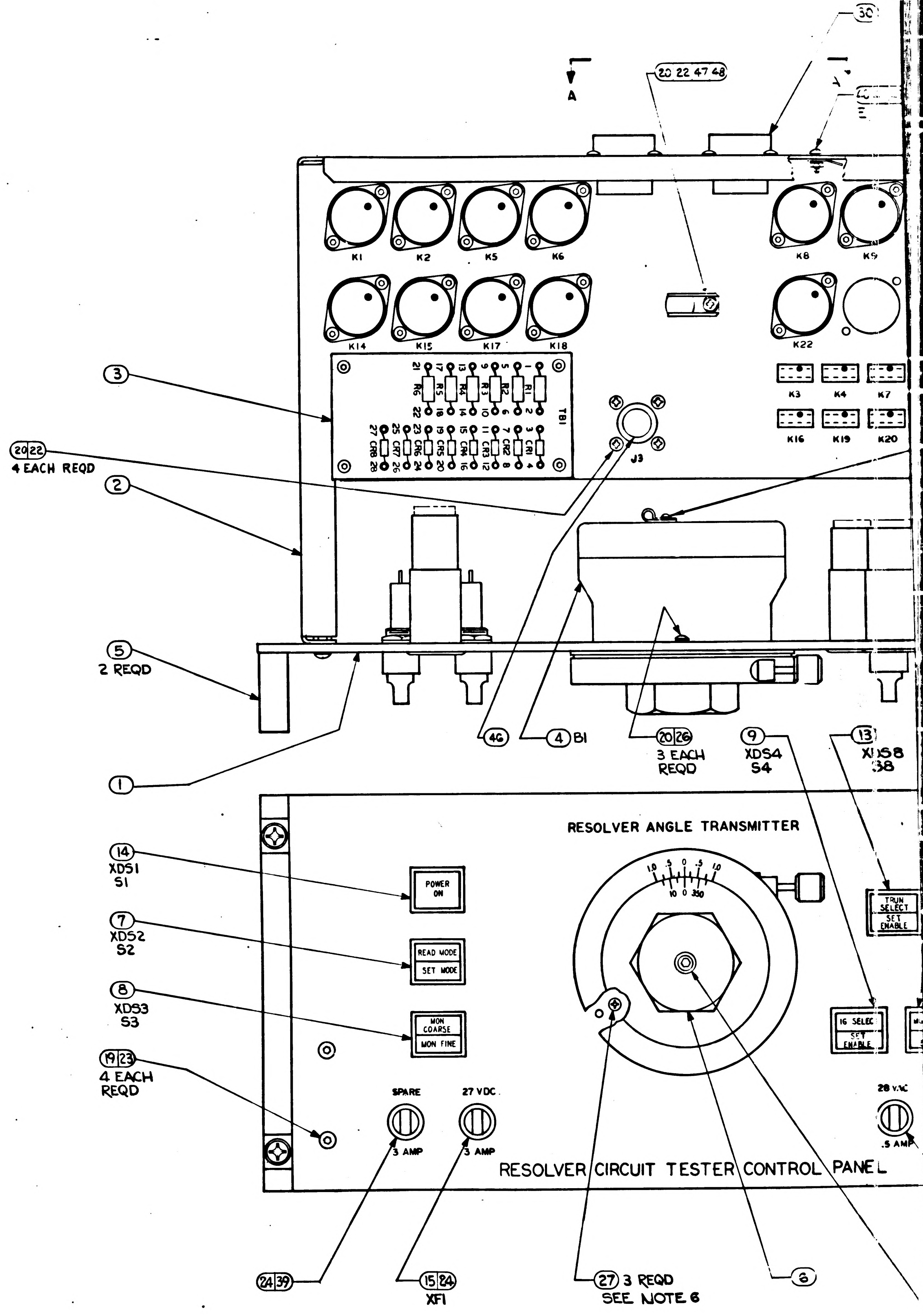
2/2900770

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (35) IN ACCORDANCE WITH ND 1002023. CHARACTERS TO BE .06 HIGH.
3. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH COLOR BLACK.
4. MARK WEIGHT OF ASSEMBLY PER ND 1002123.
5. SOLDER PER MIL-S-6872 (ES2105-1) USING ITEM (32) OR ITEMS (33) AND (34).
6. APPLY ITEM (37) TO THE THREADS OF ITEMS (27) AND (29) PER ND 1002211.
7. VENDOR ITEM, SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8. ADJUSTMENT SCREW FOR ELECTRICAL ZEROING OF RESOLVER. ELECTRICAL AND MECHANICAL ZERO TO BE WITHIN ONE DEGREE ON THE 1X RESOLVER WINDING.

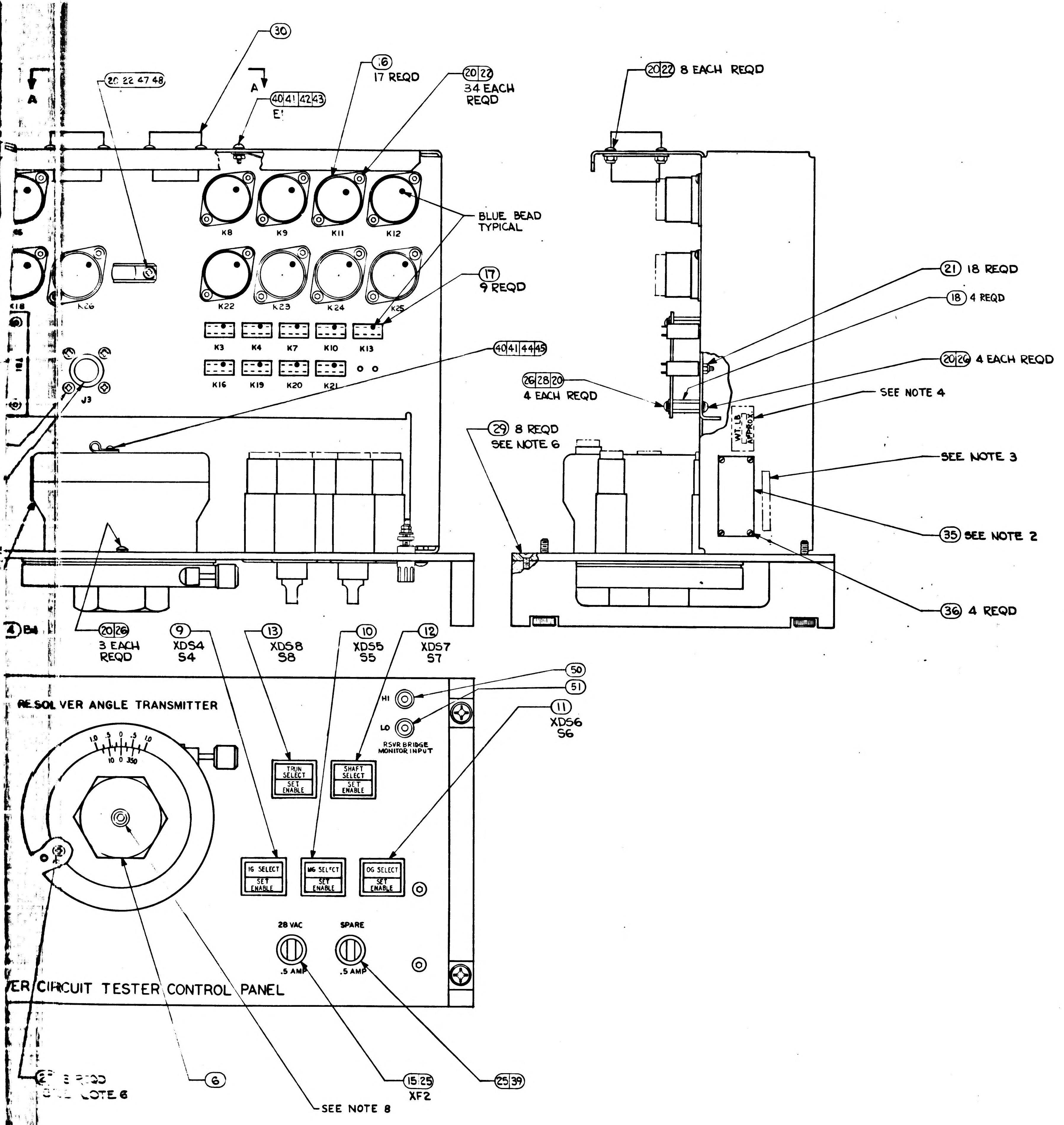


PARTIAL VIEW A-A


A
30
20 22 47 48
K1
K2
K5
K6
K8
K9
K14
K15
K17
K18
K22
K3
K4
K7
K16
K19
K20
TB1
J3
3
20 22
4 EACH REQD
2
5
2 REQD
1
46
4 B1
20 26
3 EACH REQD
9
XDS4
S4
13
XDS8
38
RESOLVER ANGLE TRANSMITTER
14
XDS1
S1
POWER ON
7
XDS2
S2
READ MODE
SET MODE
8
XDS3
S3
MON COARSE
MON FINE
19 23
4 EACH REQD
TRUN SELECT
SET ENABLE
16 SELECT
SET ENABLE
SPARE
3 AMP
27 VDC
3 AMP
28 VAC
.5 AMP
RESOLVER CIRCUIT TESTER CONTROL PANEL
24 39
15 24
XF1
27 3 REQD
SEE NOTE 6
6

2900770

REVISIONS 3413					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206012		18 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 23418		OCT 65	
C		REVISED PER TDRR 25398		31 JAN 66	



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A
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17 REQD
20 22
34 EACH REQD
K8
K9
K11
K12
BLUE BEAD TYPICAL
K18
K26
K22
K23
K24
K25
17
9 REQD
K3
K4
K7
K10
K13
K16
K19
K20
K21
J3
40 41 44 45
20 26
3 EACH REQD
9
XDS4
S4
13
XDS8
S8
10
XDS5
S5
12
XDS7
S7
50
51
11
XDS6
S6
RESOLVER ANGLE TRANSMITTER
HI
LO
RSVR BRIDGE MONITOR INPUT
TRUN SELECT SET ENABLE
SHAFT SELECT SET ENABLE
IG SELECT SET ENABLE
MG SELECT SET ENABLE
OG SELECT SET ENABLE
28 VAC
SPARE
.5 AMP
.5 AMP
ER CIRCUIT TESTER CONTROL PANEL
29 8 REQD
SEE NOTE 6
6
SEE NOTE 8
15 25
XF2
25 39
20 22 8 EACH REQD
21 18 REQD
18 4 REQD
20 26 4 EACH REQD
26 28 20
4 EACH REQD
SEE NOTE 4
WT. LB. APPROX
29 8 REQD
SEE NOTE 6
SEE NOTE 3
35 SEE NOTE 2
36 4 REQD

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7				1		53	1897337-504	INDICATOR SWITCH ASSY
				1		52	1897337-503	INDICATOR SWITCH ASSY
				1		51	1016323-002	BINDING POST
SEE NOTE 7				1		50	1016323-001	BINDING POST
				X		49		PROCUREMENT SPECIFICATION
SEE NOTE 7				1		48	1015986-167	WASHER, SADDLE
SEE NOTE 7				1		47	1015985-011	CLAMP, LOOP
				1		46	2900741	WIRING HARNESS "B"
SEE NOTE 7				1		45	1015986-140	WASHER, SADDLE
SEE NOTE 7				1		44	1015985-003	CLAMP, LOOP
				1		43	AN960C4	(1397006-024) WASHER, FLAT
				1		42	MS35649-44	NUT, PLAIN
				2		41	MS35338-78	WASHER, LOCK, SPLIT
				2		40	MS35216-15	SCREW, PAN HD
				2		39	MS26572-1	FUSEHOLDER
				1		38	2900798	LEAD SET A-A
				AR		37	MIL-S-22473, GRADE H	SEALING AND RETAINING COMPOUND
				4		36	MS 35216-3	SCREW, PAN HD
				1		35	1004260-152	NAMEPLATE
				AR		34	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		33	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				AR		32	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				X		31	2900707	SCHEMATIC DIAGRAM, ELECTRICAL
				1		30	2900799	WIRING HARNESS "A"
				8		29	AN507C832R12	(1897003-568) SCREW, FLAT HD
				4		28	AN960C6	(1897006-026) WASHER-FLAT
				3		27	AN507C632-8	(1897003-036) SCREW, FLAT, HD
				11		26	MS35338-79	WASHER, LOCK, SPLIT
				2		25	F02A250V1/2A	(1897099-007) FUSE-CTG MIL-F-15160/07
				2		24	F02A250V3A	(1897099-012) FUSE-CTG MIL-F-15160/07
SEE NOTE 7				4		23	1016151-010	NUT-SELF LOCKING
				47		22	1016151-006	NUT-SELF LOCKING
				18		21	1016151-004	NUT-SELF LOCKING
				58		20	1006783-23	SCREW, BUTTON HD
				4		19	1006783-45	SCREW, BUTTON HD
				4		18	1016000-007	STAND-OFF, THD, HEX
				9		17	1015832-318	RELAY-ELECTROMAGNETIC
				17		16	1015837-001	RELAY-ARMATURE
				2		15	1015873-008	FUSEHOLDER
				1		14	1897337-751	INDICATOR SWITCH ASSEMBLY
				1		13	-307	
				1		12	-306	
				1		11	-305	
				1		10	-304	
				1		9	-303	
				1		8	-502	
				1		7	1897337-301	INDICATOR SWITCH ASSEMBLY
				1		6	2900897	DIAL, CONTROL PANEL
SEE NOTE 7				2		5	1900015-051	HANDLE ASSY
				1		4	2900790-011	RESOLVER ASSY
				1		3	2900769-011	COMPONENT BOARD ASSY
				1		2	2900772	CHASSIS, CONTROL PANEL
				1		1	2900771	PANEL, FRONT

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 10SEP65 DATE
CHECKED J. GRIEB 28SEP65
APPROVAL 29 Sep 65
APPROVAL J. M. Watson 9-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

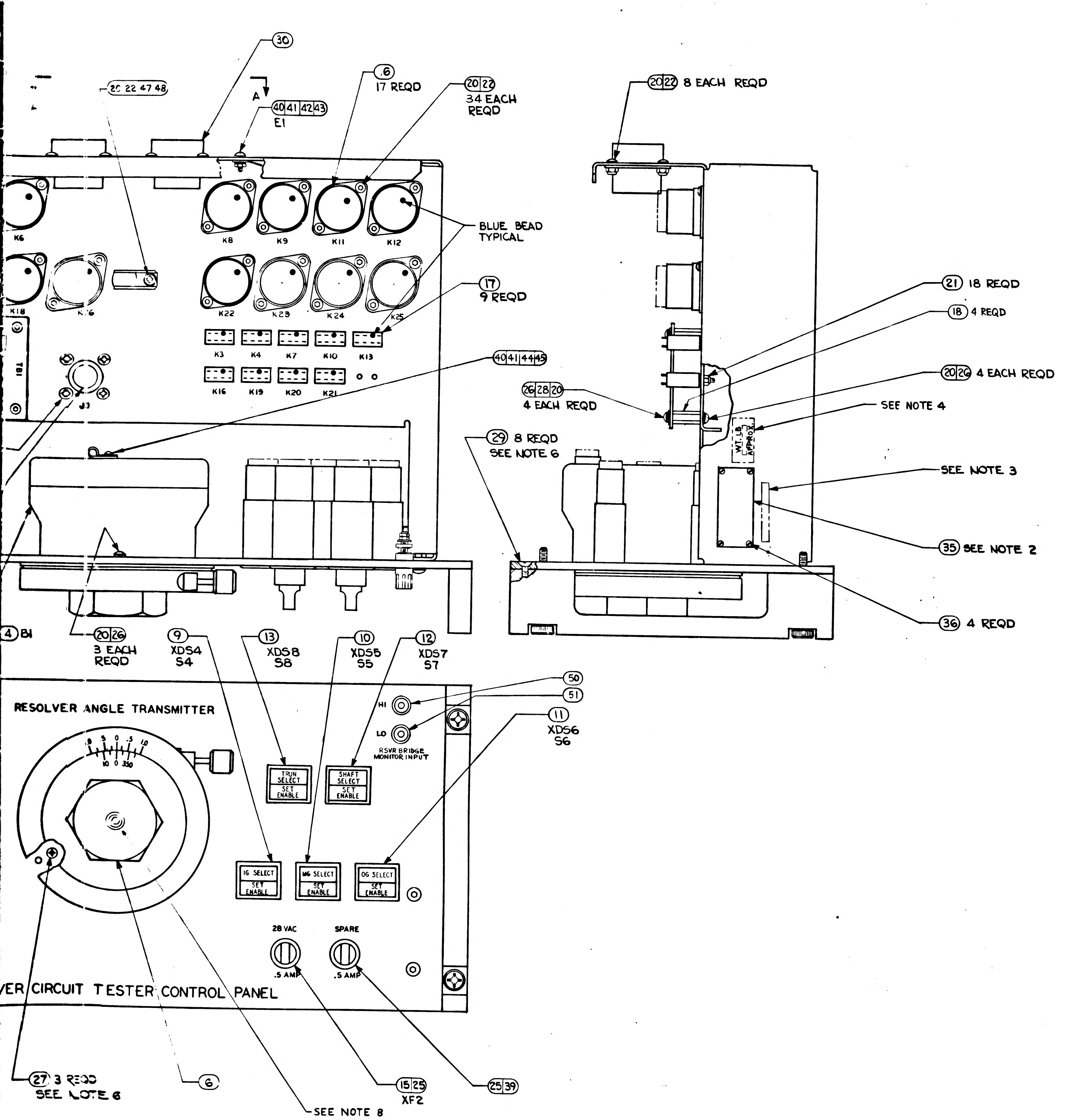
CONTROL PANEL ASSEMBLY RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974 SIZE J 2900770
SCALE FULL SHEET OF

2900770

SEP 29 65

2/2900770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20 22 47 48
A
40 41 42 43
E1
6
17 REQD
20 22
34 EACH
REQD
BLUE BEAD
TYPICAL
17
9 REQD
K6
K8
K9
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K16
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K20
K21
TB1
J3
40 41 44 45
4 B1
20 26
3 EACH
REQD
9
XDS4
S4
13
XDS8
S8
10
XDS5
S5
12
XDS7
S7
50
51
11
XDS6
S6
RESOLVER ANGLE TRANSMITTER
HI
LO
RSVR BRIDGE
MONITOR INPUT
TRUN SELECT
SET ENABLE
SHAFT SELECT
SET ENABLE
IG SELECT
SET ENABLE
MG SELECT
SET ENABLE
OG SELECT
SET ENABLE
28 VAC
SPARE
.5 AMP
.5 AMP
VER CIRCUIT TESTER CONTROL PANEL
27 3 REQD
SEE NOTE 6
6
SEE NOTE 8
15 25
XF2
25 39
20 22 8 EACH REQD
21 18 REQD
18 4 REQD
20 26 4 EACH REQD
26 28 20
4 EACH REQD
SEE NOTE 4
WT. LB. APPROX
29 8 REQD
SEE NOTE 6
SEE NOTE 3
35 SEE NOTE 2
36 4 REQD

REVISIONS 23419

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206012		18 OCT 65	RTP
B		INITIAL RELEASE CLASS A PER TDRR 23418		9 OCT 65	
C		REVISED PER TDRR 25398		31 JAN 66	
D		REVISED PER TDRR 25722		9 FEB 66	JHP AU

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7				1		53	1897337-504	INDICATOR SWITCH ASSY
				1		52	1897337-503	INDICATOR SWITCH ASSY
				1		51	1016323-002	BINDING POST
SEE NOTE 7				1		50	1016323-001	BINDING POST
				X		49	PS2900770	PROCUREMENT SPECIFICATION
SEE NOTE 7				1		48	1015986-167	WASHER, SADDLE
SEE NOTE 7				1		47	1015985-011	CLAMP, LOOP
				1		46	2900741	WIRING HARNESS "B"
SEE NOTE 7				1		45	1015986-140	WASHER, SADDLE
SEE NOTE 7				1		44	1015985-003	CLAMP, LOOP
				1		43	AN960C4	(1897006-024) WASHER, FLAT
				1		42	MS35649-44	NUT, PLAIN
				2		41	MS35338-78	WASHER, LOCK, SPLIT
				2		40	MS35216-15	SCREW, PAN HD
				2		39	MS26572-1	FUSEHOLDER
				1		38	2900798	LEAD SET A-A
				AR		37	MIL-S-22473, GRADE H	SEALING AND RETAINING COMPOUND
				4		36	MS 35216-3	SCREW, PAN HD
				1		35	1004260-152	NAMEPLATE
				AR		34	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		33	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				AR		32	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				☒		31	2900707	SCHEMATIC DIAGRAM, ELECTRICAL
				1		30	2900799	WIRING HARNESS "A"
				8		29	AN507C832R12	(1897003-568) SCREW, FLAT HD
				4		28	AN960C6	(1897006-026) WASHER-FLAT
				3		27	AN507C632-8	(1897003-036) SCREW, FLAT, HD
				11		26	MS35338-79	WASHER, LOCK, SPLIT
				2		25	F02A250V1/2A	(1897099-007) FUSE-CTG MIL-F-15160/07
				2		24	F02A250V3A	(1897099-012) FUSE-CTG MIL-F-15160/07
SEE NOTE 7				4		23	1016151-010	NUT-SELF LOCKING
				47		22	1016151-006	NUT-SELF LOCKING
				18		21	1016151-004	NUT-SELF LOCKING
				58		20	1006783-23	SCREW, BUTTON HD
				4		19	1006783-45	SCREW, BUTTON HD
				4		18	1016000-007	STAND-OFF, THD, HEX
				9		17	1015832-318	RELAY-ELECTROMAGNETIC
				17		16	1015837-001	RELAY-ARMATURE
				2		15	1015873-008	FUSEHOLDER
				1		14	1897337-751	INDICATOR SWITCH ASSEMBLY
				1		13	-307	
				1		12	-306	
				1		11	-305	
				1		10	-304	
				1		9	-303	
				1		8	-502	
				1		7	1897337-301	INDICATOR SWITCH ASSEMBLY
				1		6	2900597	DIAL, CONTROL PANEL
SEE NOTE 7				2		5	1900015-051	HANDLE ASSY
				1		4	2900790-011	RESOLVER ASSY
				1		3	2900769-011	COMPONENT BOARD ASSY
				1		2	2900772	CHASSIS, CONTROL PANEL
				1		1	2900771	PANEL, FRONT

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

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TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN 10SEP65
CHECKED J. GRIEB 28SEP65
APPROVAL 29 Sep 65
APPROVAL J. M Watson 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

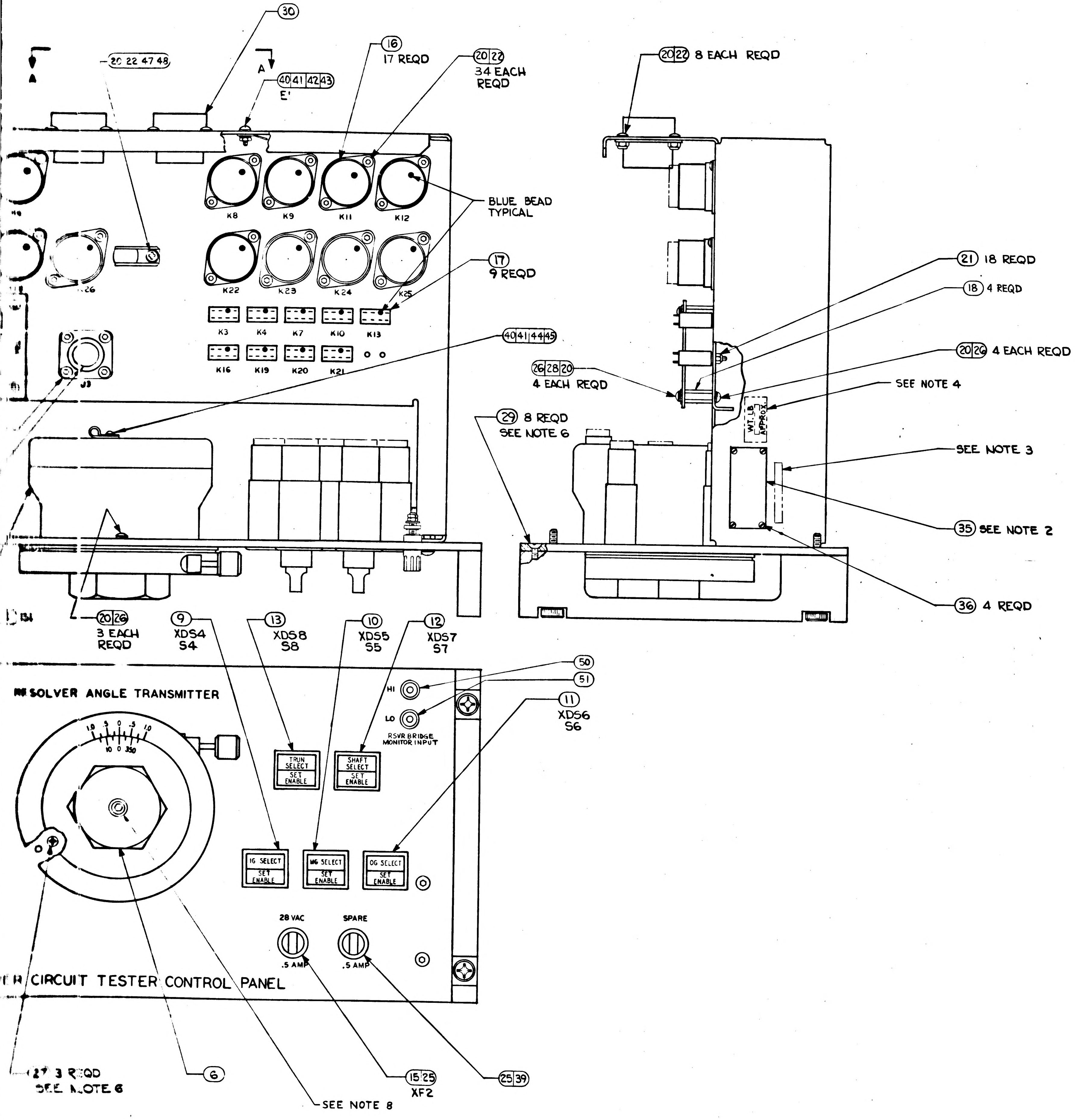
CONTROL PANEL ASSEMBLY
RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974
SIZE J
2900770
SCALE FULL
SHEET OF

SEP 28 65

2900770

2722900770


30
20 22 47 48
A
40 41 42 43
E'
16
17 REQD
20 22
34 EACH REQD
K8
K9
K11
K12
BLUE BEAD TYPICAL
K22
K23
K24
K25
K26
17
9 REQD
K3
K4
K7
K10
K13
K16
K19
K20
K21
J3
40 41 44 45
20 22 8 EACH REQD
21 18 REQD
18 4 REQD
20 26 4 EACH REQD
26 28 20
4 EACH REQD
SEE NOTE 4
WT. LB APPROX
29 8 REQD
SEE NOTE 6
SEE NOTE 3
35 SEE NOTE 2
36 4 REQD
J34
20 26
3 EACH REQD
9
XDS4
S4
13
XDS8
S8
10
XDS5
S5
12
XDS7
S7
SOLVER ANGLE TRANSMITTER
50
51
HI
LO
RSVR BRIDGE MONITOR INPUT
11
XDS6
S6
10 5 0 5 10
10 0 350
TRUN SELECT SET ENABLE
SHAFT SELECT SET ENABLE
IG SELECT SET ENABLE
MG SELECT SET ENABLE
OG SELECT SET ENABLE
28 VAC
.5 AMP
SPARE
.5 AMP
R CIRCUIT TESTER CONTROL PANEL
27 3 REQD
SEE NOTE 6
6
SEE NOTE 8
15 25
XF2
25 39

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206012		18 OCT 65	RTP
B		INITIAL RELEASE CLASS A PER TDRR 23418		9 OCT 65	JR
C		REVISED PER TDRR 25398		31 JAN 66	
D		REVISED PER TDRR 25722		9 FEB 66	
E		REVISED PER TDRR 26102		18 FEB 66	

	QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7				1		53	1897337-504	INDICATOR SWITCH ASSY
				1		52	1897337-503	INDICATOR SWITCH ASSY
				1		51	1016323-002	BINDING POST
SEE NOTE 7				1		50	1016323-001	BINDING POST
				X		49	PS2900770	PROCUREMENT SPECIFICATION
SEE NOTE 7				1		48	1015986-167	WASHER, SADDLE
SEE NOTE 7				1		47	1015985-011	CLAMP, LOOP
				1		46	2900741	WIRING HARNESS "B"
SEE NOTE 7				1		45	1015986-140	WASHER, SADDLE
SEE NOTE 7				1		44	1015985-003	CLAMP, LOOP
				1		43	AN960C4	(1897006-024) WASHER, FLAT
				1		42	MS35649-44	NUT, PLAIN
				2		41	MS35338-78	WASHER, LOCK, SPLIT
				2		40	MS35216-15	SCREW, PAN HD
				2		39	MS26572-1	FUSEHOLDER
				1		38	2900798	LEAD SET A-A
				AR		37	MIL-S-22473, GRADE H	SEALING AND RETAINING COMPOUND
				4		36	MS35216-3	SCREW, PAN HD
				1		35	1004260-152	NAMEPLATE
				AR		34	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		33	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				AR		32	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				X		31	2900707	SCHEMATIC DIAGRAM, ELECTRICAL
				1		30	2900799	WIRING HARNESS "A"
				8		29	AN507C832R12	(1897003-568) SCREW, FLAT HD
				4		28	AN960C6	(1897006-026) WASHER-FLAT
				3		27	AN507C632-8	(1897003-036) SCREW, FLAT, HD
				11		26	MS35338-79	WASHER, LOCK, SPLIT
				2		25	F02A250V1/2A	(1897099-007) FUSE-CTG MIL-F-15160/02
				2		24	F02A250V3A	(1897099-012) FUSE-CTG MIL-F-15160/02
SEE NOTE 7				4		23	1016151-010	NUT-SELF LOCKING
				47		22	1016151-006	NUT-SELF LOCKING
				18		21	1016151-004	NUT-SELF LOCKING
				58		20	1006783-23	SCREW, BUTTON HD
				4		19	1006783-45	SCREW, BUTTON HD
				4		18	1016000-007	STAND-OFF, THD, HEX
				9		17	1015832-318	RELAY-ELECTROMAGNETIC
				17		16	1015837-001	RELAY-ARMATURE
				2		15	1015873-008	FUSEHOLDER
				1		14	1897337-751	INDICATOR SWITCH ASSEMBLY
				1		13	-307	
				1		12	-306	
				1		11	-305	
				1		10	-304	
				1		9	-303	
				1		8	-502	
				1		7	1897337-301	INDICATOR SWITCH ASSEMBLY
				1		6	2901035	DIAL, CONTROL PANEL
SEE NOTE 7				2		5	1900015-051	HANDLE ASSY
				1		4	2900790-011	RESOLVER ASSY
				1		3	2900769-011	COMPONENT BOARD ASSY
				1		2	2900772	CHASSIS, CONTROL PANEL
				1		1	2900771	PANEL, FRONT

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 10SEP65
CHECKED J. GRIEB 28SEP65
APPROVAL 27 SEP 65
APPROVAL J. M. Watson 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONTROL PANEL ASSEMBLY
RESOLVER CIRCUIT TESTER

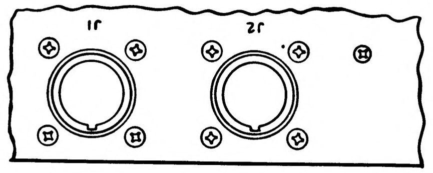
CODE IDENT NO. 99974
SIZE J
2900770
SCALE FULL
SHEET OF

900770

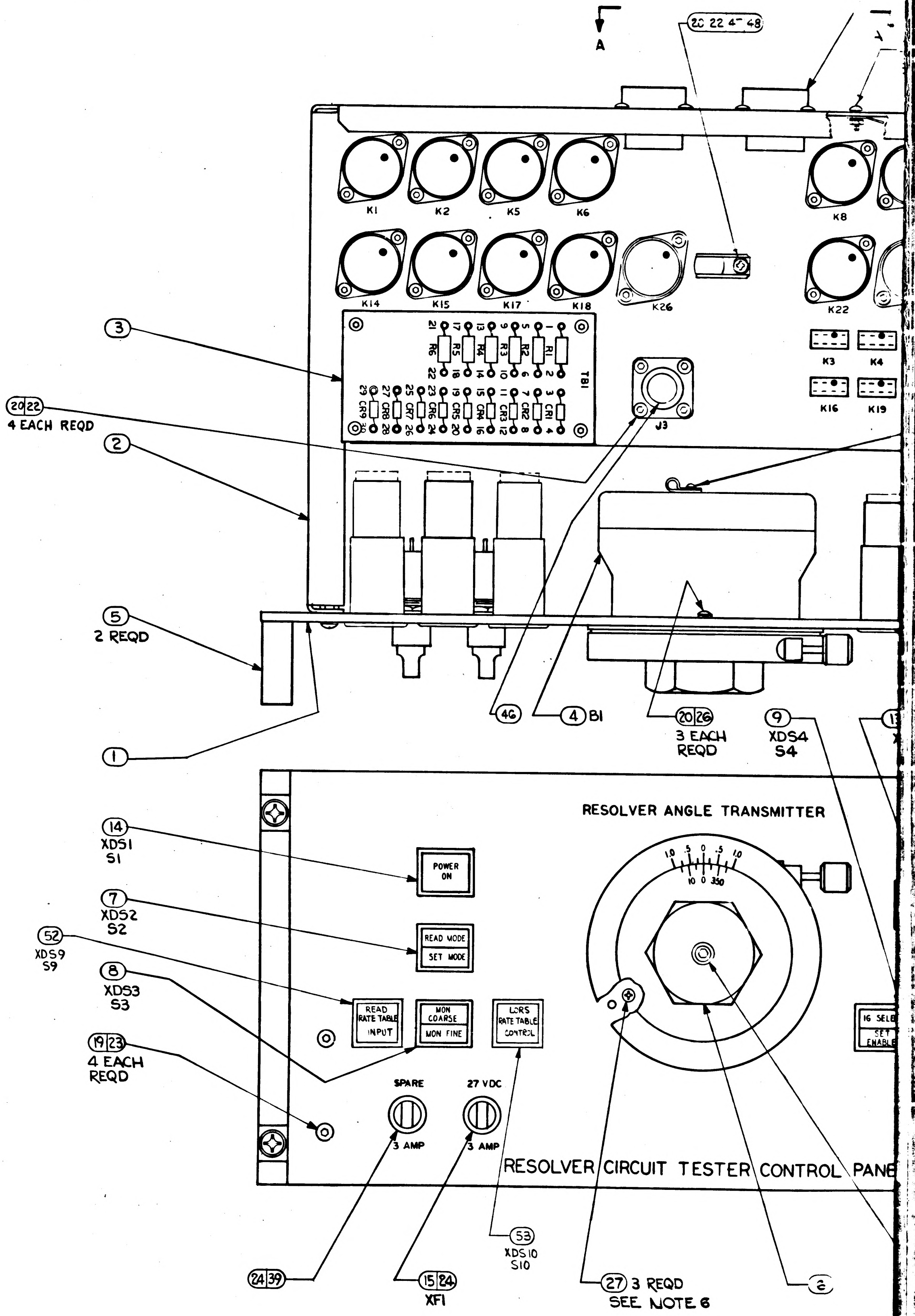
27 2900770

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (35) IN ACCORDANCE WITH ND 1002023. CHARACTERS TO BE .06 HIGH.
3. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH COLOR BLACK.
4. MARK WEIGHT OF ASSEMBLY PER ND 1002123.
5. SOLDER PER MIL-S-6872 (ES2105-1) USING ITEM (32) OR ITEMS (33) AND (34).
6. APPLY ITEM (37) TO THE THREADS OF ITEMS (27) AND (29) PER ND 1002211.
7. VENDOR ITEM, SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8. CENTER HEX SOCKET CAN BE USED TO FACILITATE ALIGNING RESOLVER ELECTRICAL ZERO POSITION TO DIAL MECHANICAL ZERO POSITION. THESE POSITIONS MUST BE ALIGNED WITHIN .2 OF A DEGREE.



PARTIAL VIEW A-A



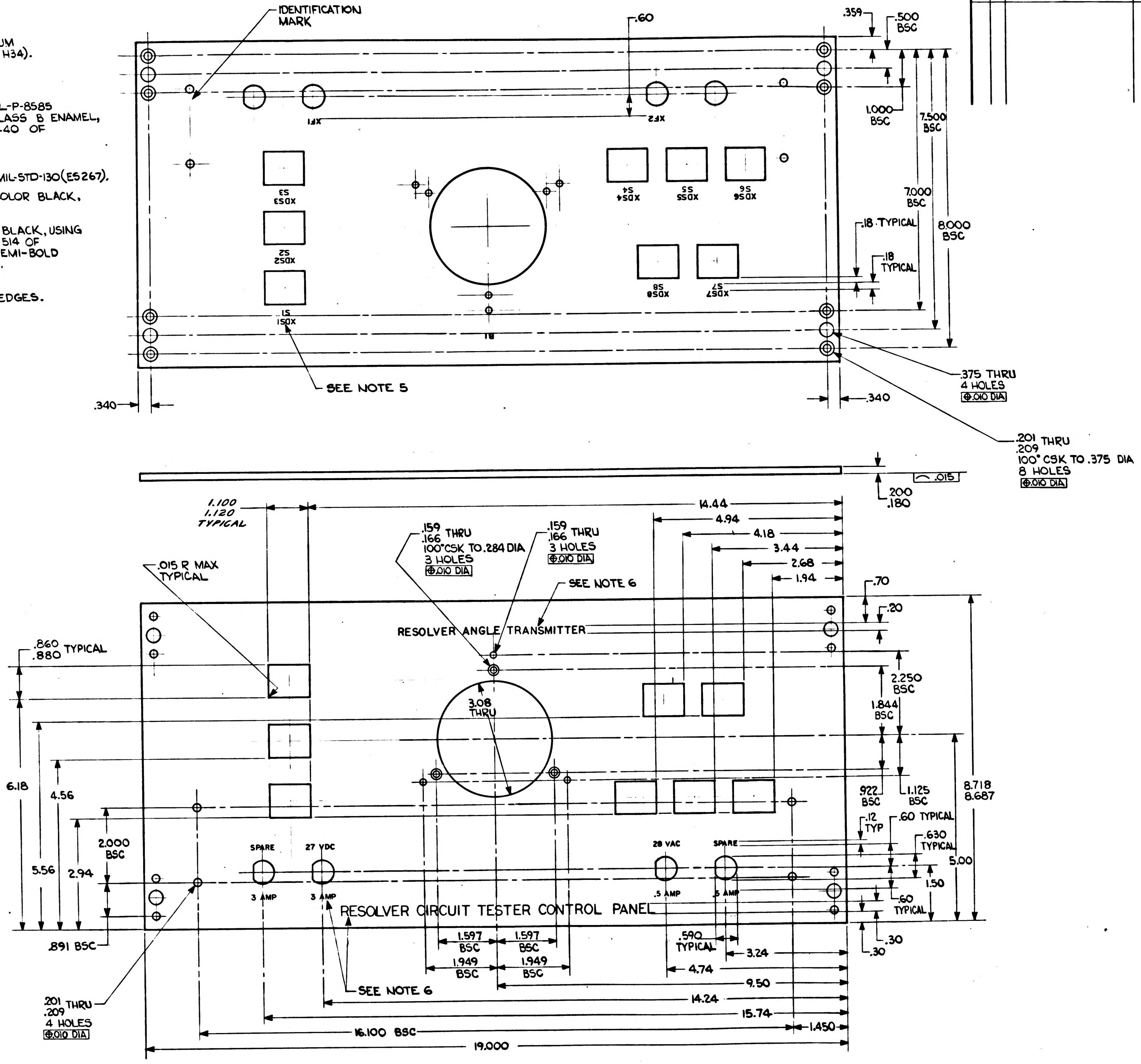
A
20 22 47 48
K1
K2
K5
K6
K8
K14
K15
K17
K18
K26
K22
K3
K4
K16
K19
TB1
J3
3
20 22
4 EACH REQD
2
5
2 REQD
1
46
4 B1
20 26
3 EACH REQD
9
XDS4
S4
RESOLVER ANGLE TRANSMITTER
14
XDS1
S1
POWER ON
7
XDS2
S2
READ MODE
SET MODE
52
XDS9
S9
8
XDS3
S3
READ RATE TABLE INPUT
MON COARSE
MON FINE
LORS RATE TABLE CONTROL
19 23
4 EACH REQD
SPARE
27 VDC
3 AMP
3 AMP
1.0 .5 0 .5 1.0
10 0 350
16 SELE
SET ENABLE
RESOLVER CIRCUIT TESTER CONTROL PANE
24 39
15 24
XF1
53
XDS10
S10
27 3 REQD
SEE NOTE 6

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8, TEMPER H34, ALUMINUM ALLOY (ES2105, TYPE 5052, TEMPER H34).
3. FINISH:
   - A. APPLY FINISH P5.3 OF MIL-F-14072.
   - B. TO FRONT AND EDGES ONLY APPLY MIL-P-8585 PRIMER AND 2 COATS OF TT-E-529A CLASS B ENAMEL, SEMI-GLOSS. COLOR LIGHT GRAY, NO. 26440 OF FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
5. MARK CHARACTERS PER ND 1002019, .12 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.
6. SILK SCREEN PER ND 1002112. INSTRUMENT BLACK, USING SEMI-GLOSS ENAMEL PER ND 1002111, COLOR 514 OF ANA-BUL 157. CHARACTER STYLE FUTURA DEMI-BOLD PER ND 1002122. CENTRALIZE AS SHOWN.
7. MUST BE FREE FROM BURRS AND SHARP EDGES.

REVISIONS 23418

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC205875		5 OCT 65	RTD EF
	B	INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	



IDENTIFICATION MARK
.60
.359
.500 BSC
1.000 BSC
7.500 BSC
7.000 BSC
8.000 BSC
.18 TYPICAL
.18 TYPICAL
XF1
XF2
XDS1 S1
XDS2 S2
XDS3 S3
XDS4 S4
XDS5 S5
XDS6 S6
XDS7 S7
XDS8 S8
B1
SEE NOTE 5
.340
.340
.375 THRU 4 HOLES ⊕.010 DIA
.201 .209 THRU 100° CSK TO .375 DIA 8 HOLES ⊕.010 DIA
.200 .180
⌒ .015
1.100 1.120 TYPICAL
.015 R MAX TYPICAL
.159 .166 THRU 100° CSK TO .284 DIA 3 HOLES ⊕.010 DIA
.159 .166 THRU 3 HOLES ⊕.010 DIA
SEE NOTE 6
14.44
4.94
4.18
3.44
2.68
1.94
.70
.20
RESOLVER ANGLE TRANSMITTER
.860 .880 TYPICAL
3.08 THRU
2.250 BSC
1.844 BSC
.922 BSC
1.125 BSC
8.718 8.687
.12 TYP
.60 TYPICAL
.630 TYPICAL
5.00
1.50
.60 TYPICAL
.30
.30
6.18
4.56
5.56
2.94
2.000 BSC
.891 BSC
SPARE
27 VDC
28 VAC
SPARE
3 AMP
3 AMP
.5 AMP
.5 AMP
RESOLVER CIRCUIT TESTER CONTROL PANEL
1.597 BSC
1.597 BSC
1.949 BSC
1.949 BSC
.590 TYPICAL
3.24
4.74
9.50
14.24
15.74
SEE NOTE 6
.201 .209 THRU 4 HOLES ⊕.010 DIA
16.100 BSC
1.450
19.000

2900770-011	2900770-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.02 ±.005 ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 3 SEP 65 DATE
J. GRIEB 28 SEP 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

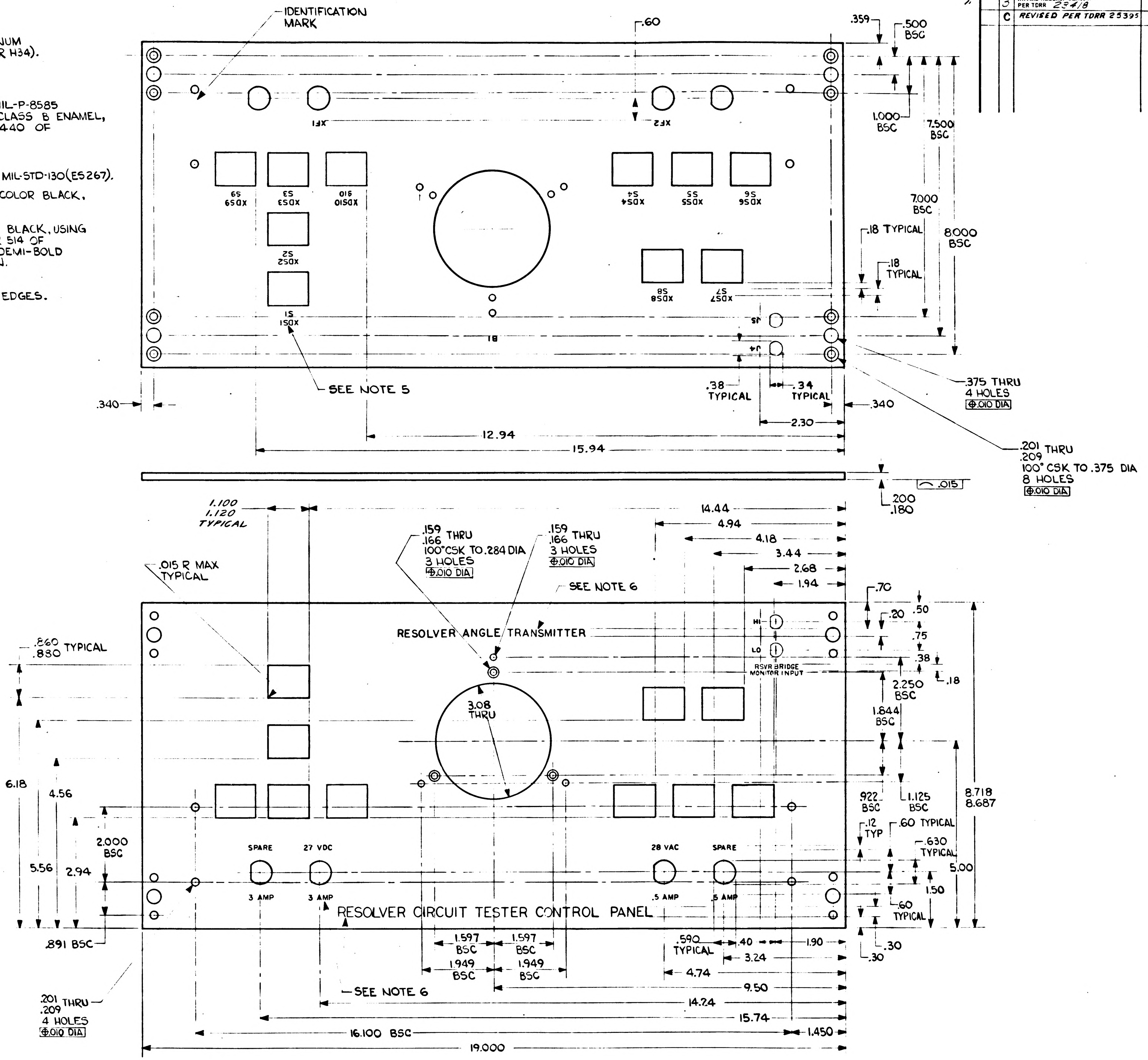
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

PANEL, FRONT
RESOLVER CIRCUIT TESTER

CODE IDENT NO. 99974
SIZE E
2900771
SCALE FULL
SHEET OF

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8, TEMPER H34, ALUMINUM ALLOY (ES2105, TYPE 5052, TEMPER H34).
3. FINISH:
   - A. APPLY FINISH P513 OF MIL-F-14072.
   - B. TO FRONT AND EDGES ONLY APPLY MIL-P-8585 PRIMER AND 2 COATS OF TT-E-529A CLASS B ENAMEL, SEMI-GLOSS. COLOR LIGHT GRAY, NO. 26440 OF FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130(ES267).
5. MARK CHARACTERS PER ND 1002019, .12 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.
6. SILK SCREEN PER ND 1002112. INSTRUMENT BLACK, USING SEMI-GLOSS ENAMEL PER ND 1002111, COLOR 514 OF ANA-BUL 157. CHARACTER STYLE FUTURA DEMI-BOLD PER ND 1002122. CENTRALIZE AS SHOWN.
7. MUST BE FREE FROM BURRS AND SHARP EDGES.



IDENTIFICATION MARK
XF1
XF2
XDS9
XDS3
XDS10
XDS2
XDS1
XDS4
XDS5
XDS6
XDS8
XDS7
J5
J4
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
18
SEE NOTE 5
.60
.359
.500 BSC
1.000 BSC
7.500 BSC
7.000 BSC
8.000 BSC
.18 TYPICAL
.18 TYPICAL
.375 THRU 4 HOLES ⌖.010 DIA
.38 TYPICAL
.34 TYPICAL
.340
.340
2.30
12.94
15.94
.201 .209 THRU 100° CSK TO .375 DIA 8 HOLES ⌖.010 DIA
.015
.200 .180
1.100 1.120 TYPICAL
.015 R MAX TYPICAL
.159 .166 THRU 100° CSK TO .284 DIA 3 HOLES ⌖.010 DIA
.159 .166 THRU 3 HOLES ⌖.010 DIA
SEE NOTE 6
RESOLVER ANGLE TRANSMITTER
HI
LO
RSVR BRIDGE MONITOR INPUT
3.08 THRU
SPARE
27 VDC
28 VAC
SPARE
3 AMP
3 AMP
.5 AMP
.5 AMP
RESOLVER CIRCUIT TESTER CONTROL PANEL
14.44
4.94
4.18
3.44
2.68
1.94
.70
.20
.50
.75
.38
.18
2.250 BSC
1.844 BSC
.922 BSC
1.125 BSC
.12 TYP
.60 TYPICAL
.630 TYPICAL
.60 TYPICAL
1.50
5.00
8.718 8.687
.30
.30
.860 .830 TYPICAL
6.18
4.56
2.000 BSC
5.56
2.94
.891 BSC
1.597 BSC
1.597 BSC
1.949 BSC
1.949 BSC
.590 TYPICAL
.40
1.90
3.24
4.74
9.50
14.24
15.74
SEE NOTE 6
.201 .209 THRU 4 HOLES ⌖.010 DIA
16.100 BSC
1.450
19.000

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 205875		15 OCT 65	RPA CF
	3	INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR CW
	C	REVISED PER TDRR 25395		26 JAN 66	DKD PF

NEXT ASSY	USED ON
2900770-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + ___ −
DECIMALS ±.02 ±.005
ANGLES + ___ −
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN DATE 3 SEP 65
CHECKED J. GRIEB 28 SEP 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

PANEL, FRONT
RESOLVER CIRCUIT TESTER

CODE IDENT NO 99974
SIZE E
2900771
SCALE FULL
SHEET 1 OF 1

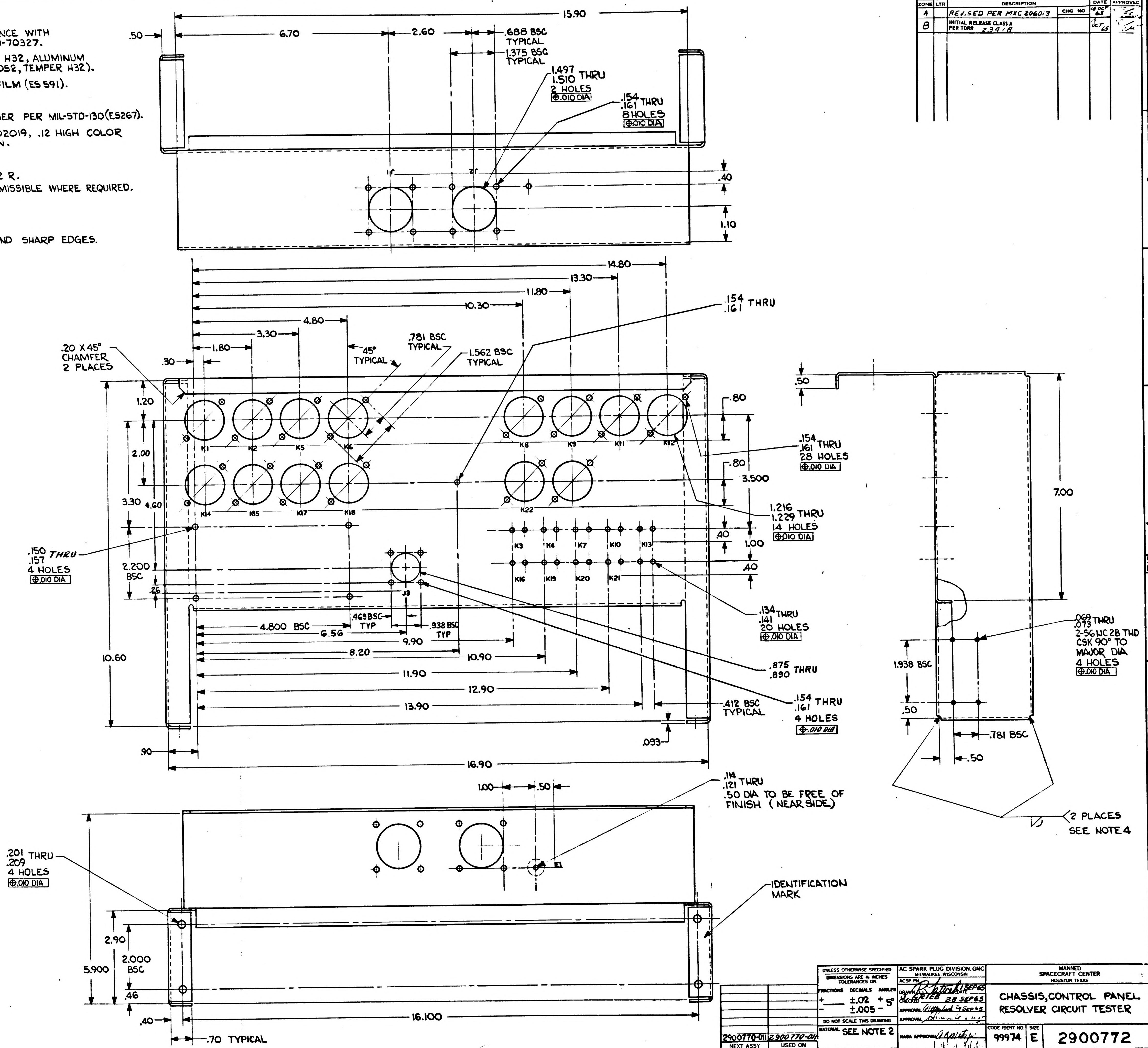
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8, TEMPER H32, ALUMINUM ALLOY (ES2105, TYPE 5052, TEMPER H32).
3. FINISH: MIL-C-5541, CHEMICAL FILM (ES 591).
4. WELD PER MIL-W-8604.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. MARK CHARACTERS PER ND 1002019, .12 HIGH COLOR BLACK, CENTRALIZE AS SHOWN.
7. UNLESS OTHERWISE SPECIFIED:
   A. ALL INSIDE BEND RADII .12 R.
   B. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.

8. MUST BE FREE FROM BURRS AND SHARP EDGES.

REVISIONS 23418

ZONE	LTR	DESCRIPTION	CHG. NO	DATE	APPROVED
A		REVISED PER MXC 206013		18 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	



15.90
.50
6.70
2.60
.688 BSC TYPICAL
1.375 BSC TYPICAL
1.497 1.510 THRU 2 HOLES ⌖.010 DIA
.154 .161 THRU 8 HOLES ⌖.010 DIA
J1
J2
.40
1.10
14.80
13.30
11.80
10.30
4.80
3.30
1.80
.30
.20 X 45° CHAMFER 2 PLACES
45° TYPICAL
.781 BSC TYPICAL
1.562 BSC TYPICAL
.154 .161 THRU
1.20
2.00
3.30
4.60
10.60
K1
K2
K5
K6
K8
K9
K11
K12
K14
K15
K17
K18
K22
K3
K4
K7
K10
K13
K16
K19
K20
K21
J3
.80
.80
3.500
7.00
.50
.154 .161 THRU 28 HOLES ⌖.010 DIA
1.216 1.229 THRU 14 HOLES ⌖.010 DIA
.40
1.00
.40
.150 .157 THRU 4 HOLES ⌖.010 DIA
2.200 BSC
.26
.469 BSC TYP
.938 BSC TYP
4.800 BSC
6.56
9.90
8.20
10.90
11.90
12.90
13.90
.412 BSC TYPICAL
.093
.90
16.90
.134 .141 THRU 20 HOLES ⌖.010 DIA
.875 .890 THRU
.154 .161 THRU 4 HOLES ⌖.010 DIA
.069 .073 THRU 2-56NC 2B THD CSK 90° TO MAJOR DIA 4 HOLES ⌖.010 DIA
1.938 BSC
.50
.781 BSC
.50
2 PLACES SEE NOTE 4
1.00
.50
.114 .121 THRU .50 DIA TO BE FREE OF FINISH (NEAR SIDE)
E1
.201 .209 THRU 4 HOLES ⌖.010 DIA
IDENTIFICATION MARK
5.900
2.90
2.000 BSC
.46
.40
16.100
.70 TYPICAL

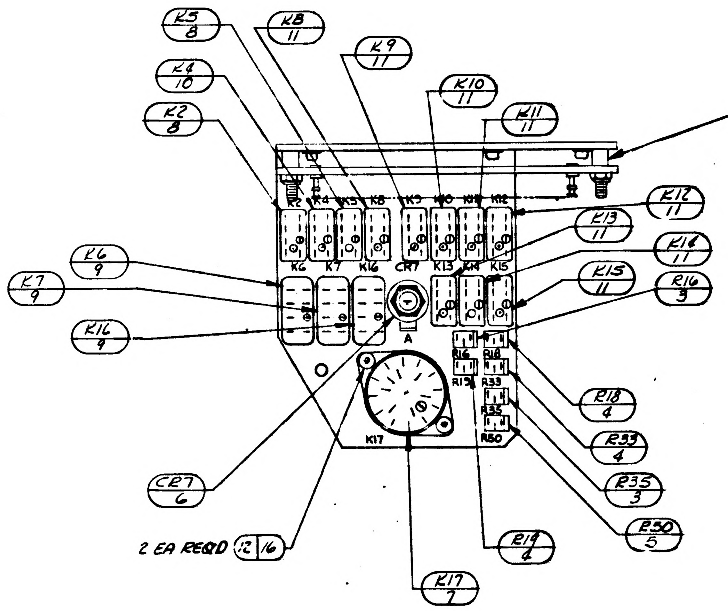
2900770-011	2900770-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + ___ − DECIMALS ±.02 ±.005 ANGLES ± 5°	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
NEXT ASSY	USED ON	DO NOT SCALE THIS DRAWING	ACSP PN	CHASSIS, CONTROL PANEL RESOLVER CIRCUIT TESTER	
APPLICATION		MATERIAL SEE NOTE 2	DRAWN R. Tatcek 15 SEP 65 CHECKED J. GRIEB 28 SEP 65 APPROVAL 29 SEP 65 APPROVAL	CODE IDENT NO. 99974	SIZE E
		CONTRACT NAS 9-497	NASA APPROVAL MIT APPROVAL	2900772	
				SCALE FULL	SHEET 1 OF 1

2 Charleston 28 SEP 65

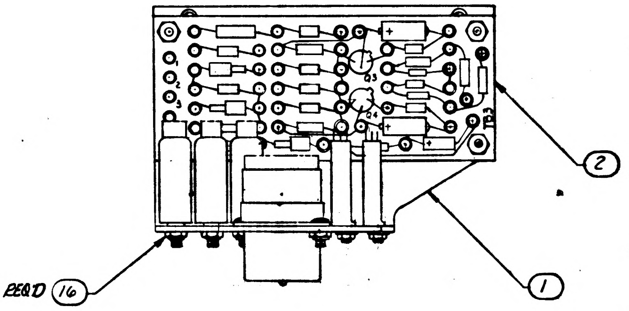
NOTES:

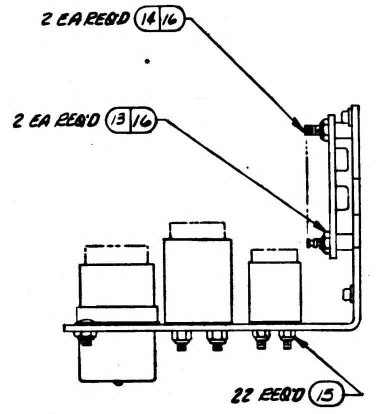
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 (ES 2503-1) USING ITEM ⑲ OR ITEMS ⑳ AND ㉑.
3. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
5. ITEM ㉒ IS PART OF THIS ASSEMBLY.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	



K5 8
K8 11
K9 11
K4 10
K10 11
K2 8
K11 11
17 4 REQ'D
K12 11
K13 11
K6 9
K14 11
K7 9
K15 11
R16 3
K16 9
R18 4
R33 4
CR7 6
R35 3
R50 5
2 EA REQ'D 12 16
R14 4
K17 7
K2 K4 K5 K8 K9 K10 K11 K12
K6 K7 K16 CR7 K13 K14 K15
A
K17





2 EA REQ'D 14 16
2 EA REQ'D 13 16
22 REQ'D 15

SEE NOTE 3

SEE NOTE 3

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1		22	2900655	WIRING HARNESS 3"
			AR		21	SN60WS	SOLDER, QQ-S-571 (ES 2175-1)
			AR		20	MIL-F-14256 TYPE AQRW	FLUX (ES [illegible])
			AR		19	SN60WRAP	SOLDER QQ-S-571 (ES 2175-3)
					18		
			4		17	1015860-001	SPACER
			12		16	1012525-004	NUT SELF-LOCKING, [illegible]
			22		15	1016151-004	NUT SELF-LOCKING, [illegible]
			2		14	1015831-209	SCREW-FLAT HEAD 100°
			2		13	1015831-201	SCREW-FLAT HEAD 100°
			2		12	1006783-22	SCREW-BUTTON HD HEX SOC
			8		11	1015832-318	RELAY, ELECTROMAGNETIC
			1		10	1015832-312	RELAY ELECTROMAGNETIC
			3		9	1015982-007	RELAY-ARMATURE
			2		8	1015802-004	RELAY-ARMATURE
			1		7	1015837-001	RELAY-ARMATURE
			1		6	1015939-008	SEMICONDUCTOR DEVICE, DIODE
			1		5	1897260-010	RESISTOR, VARIABLE
			3		4	1897260-006	RESISTOR, VARIABLE
			2		3	1897260-005	RESISTOR, VARIABLE
			1		2	2900522-011	ELECTRICAL COMPONENT ASSEMBLY
			1		1	2900776	BRACKET, RELAY (ILSEP ASSY)
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN A. J. Flanders DATE 10-3 SEP 65
CHECKED 16 SEP '65
APPROVAL 16 SEP '65
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL 16 Nov

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

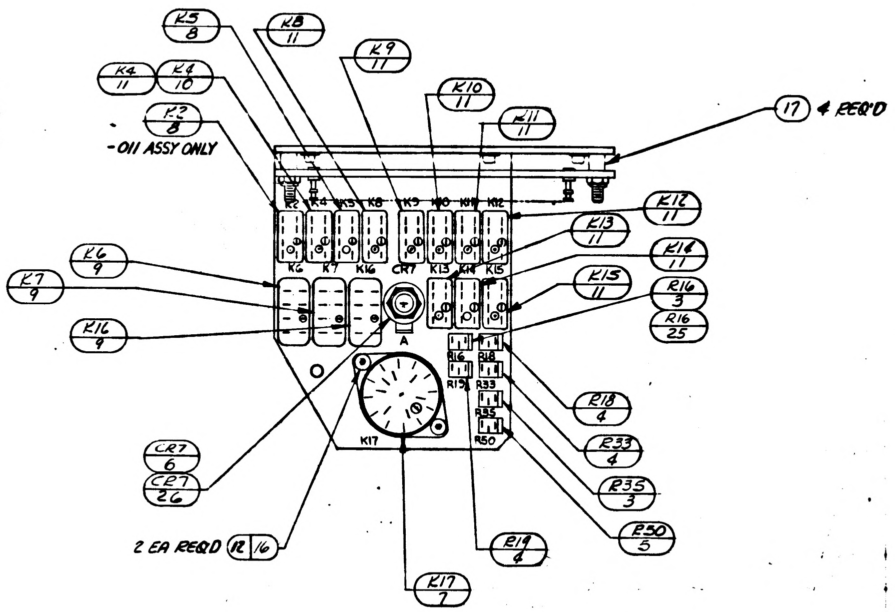
RELAY ASSEMBLY

CODE IDENT NO. 99974
SIZE E
2900777
SCALE 1:1
SHEET 1 OF 1

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	WRB CW
	B	REVISED PER TDRR 32140		3 DEC 66	EH

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 (ES 2505-1) USING ITEM ⑲ OR ITEMS ⑳ AND ㉑.
3. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
5. ITEM ㉒ IS PART OF THIS ASSEMBLY (-011). ITEM ㉓ IS PART OF THIS ASSEMBLY (-021).


K5 8
K8 11
K9 11
K4 11
K4 10
K10 11
K2 8
-011 ASSY ONLY
K11 11
17 4 REQ'D
K2 K4 K5 K8 K9 K10 K11 K12
K12 11
K13 11
K14 11
K6 K7 K16 CR7 K13 K14 K15
K6 9
K7 9
K16 9
K15 11
R16 3
R16 25
A
R16 R18 R19 R33 R35 R50
K17
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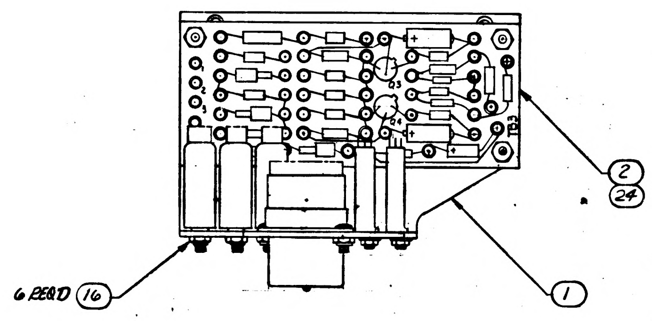
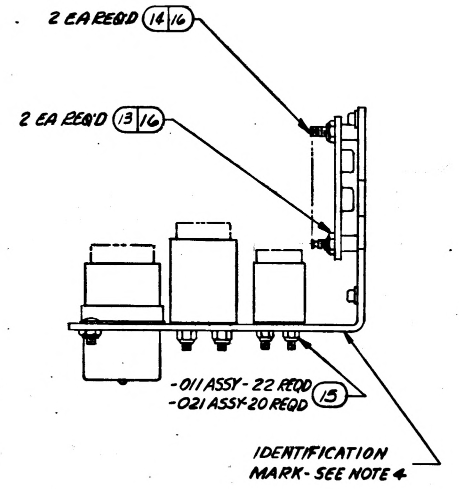
R33 4
R35 3
CR7 6
CR7 26
R50 5
2 EA REQ'D 12 16
R19 4
K17 7


TB3
2
24
6 REQ'D 16
1


2 EA REQ'D 14 16
2 EA REQ'D 13 16
-011 ASSY - 22 REQ'D
-021 ASSY - 20 REQ'D
15
IDENTIFICATION MARK - SEE NOTE 4

SEE NOTE 5
SEE NOTE 5
SEE NOTE 3
SEE NOTE 3

		021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		1	-		26	IN2976B(1896966-075)	SEMI CONDUCTOR
		1	-		25	1897260-008	RESISTOR, VARIABLE
		1	-		24	2900522-021	ELECTRONIC COMPONENTS ASSY (TB3)
		1	-		23	2901549	WIRING HARNESS "B"
		-	1		22	2900655	WIRING HARNESS "B"
		AR	AR		21	SN60WS	SOLDER, QQ-S-571 (ES 2175-1)
		AR	AR		20	MIL-F-14256 TYPE AORW	FLUX (ES 2798)
		AR	AR		19	SN60WRAP	SOLDER, QQ-S-571 (ES 2175-3)
					18		
		4	4		17	1015860-001	SPACER
		12	12		16	1012525-004	NUT SELF-LOCKING, THIN
		20	22		15	1016151-004	NUT SELF-LOCKING, THIN
		2	2		14	1015831-209	SCREW-FLAT HEAD, 100°
		2	2		13	1015831-201	SCREW-FLAT HEAD, 100°
		2	2		12	1006783-22	SCREW-BUTTON HD, HEX SOC
		9	8		11	1015832-318	RELAY, ELECTROMAGNETIC
		-	1		10	1015832-312	RELAY, ELECTROMAGNETIC
		3	3		9	1015982-007	RELAY-ARMATURE
		1	2		8	1015802-004	RELAY-ARMATURE
		1	1		7	1015837-001	RELAY-ARMATURE
		-	1		6	1015939-008	SEMICONDUCTOR DEVICE, DIODE
		1	1		5	1897260-010	RESISTOR, VARIABLE
		3	3		4	1897260-006	RESISTOR, VARIABLE
		1	2		3	1897260-005	RESISTOR, VARIABLE
		-	1		2	2900522-011	ELECTRONIC COMPONENTS ASSY (TB3)
		1	1		1	2900776	BRACKET, RELAY (INSEP ASSY)
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-021	2900060-021	-021
2900060-011	2900060-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN A. J. Fluder DATE 10-SEPT-65
CHECKED W. Diehl 16 Sept '65
APPROVAL 16 SEP. '65
APPROVAL 9/16/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

RELAY ASSEMBLY

CODE IDENT NO. 99974 SIZE E 2900777
SCALE 1:1 SHEET 1 OF 1

NOTES:

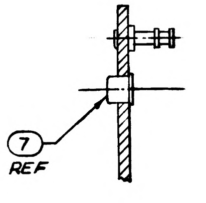
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM (26) OR (27) AND (28).
4. USE INSULATING SLEEVE ITEM (29) AS REQUIRED ON LEADS AS SHOWN.
5. VENDOR ITEM- SEE SPECIFICATION CONTROL DRAWING.
6. BOND ITEMS (2), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17) AND (18), TO ITEM (1), PER ND1002203.
7. POLARITY SYMBOLS ARE FOR REFERENCE ONLY.

REF. DESIG.	ITEM NO.	
C5	2	SEE NOTE 6
C6	2	SEE NOTE 6
C9	3	
CR 9	5	
CR 10	5	
CR 12	6	SEE NOTE 6
CR 18	6	SEE NOTE 6
CR24	4	
Q5	7	SEE NOTE 6
R1	16	SEE NOTE 6
R3	14	SEE NOTE 6
R5	20	
R8	11	SEE NOTE 6
R10	9	SEE NOTE 6
R11	23	
R12	10	SEE NOTE 6
R14	18	SEE NOTE 6
R15	15	SEE NOTE 6
R17	25	

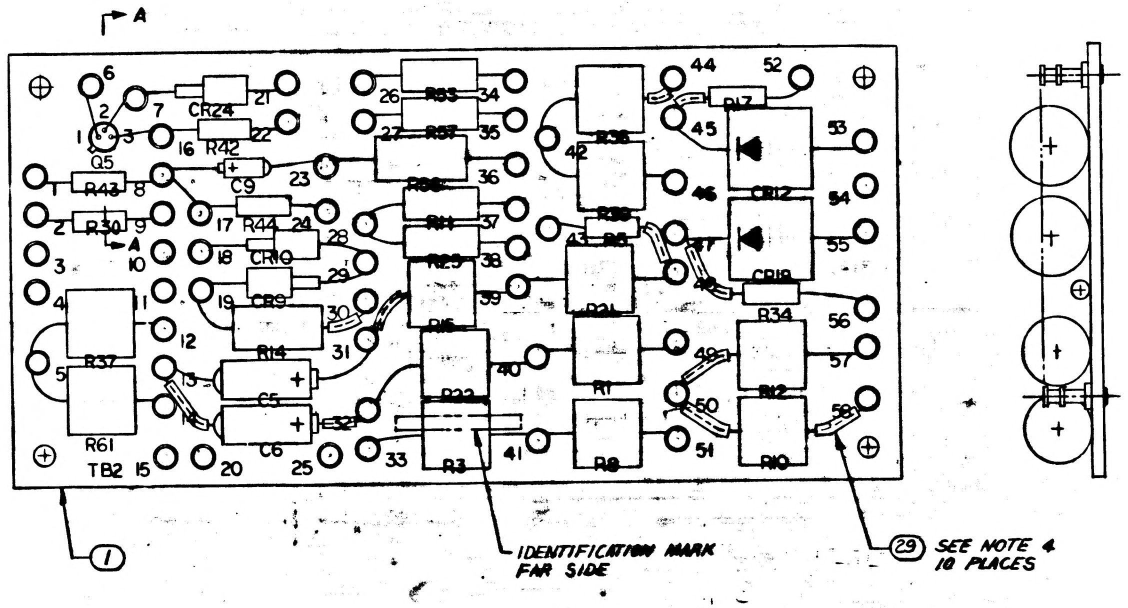
REF. DESIG.	ITEM NO.	
R21	15	SEE NOTE 6
R22	11	SEE NOTE 6
R25	23	
R34	24	
R36	13	SEE NOTE 6
R37	12	SEE NOTE 6
R39	13	SEE NOTE 6
R42	19	
R43	21	
R44	21	
R53	22	
R56	17	SEE NOTE 6
R57	22	
R61	8	SEE NOTE 6
R62	30	

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MAC 206402		27 OCT 65	J.K.
B		INITIAL RELEASE CLASS A PER TDRR 24042		28 OCT 65	JWP



SECTION A-A



A
A
6
2
7
1
3
Q5
CR24
21
16
R42
22
R43
8
1
R30
9
2
C9
23
17
R44
24
28
3
10
18
CR10
29
4
CR9
19
11
R14
30
12
R37
31
5
13
C5
14
C6
32
R61
TB2
15
20
25
26
R53
34
27
R57
35
R36
36
R11
37
R25
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R15
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R22
40
33
R3
41
R56
42
R39
43
R5
R21
R1
R8
44
52
R17
45
53
CR12
46
54
47
55
CR18
48
R34
56
49
R12
57
50
R10
58
51
1
IDENTIFICATION MARK FAR SIDE
29
SEE NOTE 4 10 PLACES

SEE NOTE 5

SEE NOTE 5

SEE NOTE 5

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			1		30	RN60C4992F	(1896976-452) RESISTOR MIL-R-10509/1
			AR		29	1006776-16	INSULATION, SLEEVING, ELEC.
			AR		28	MIL-F-14256 TYPE A ORW	FLUX (ES 2798)
			AR		27	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
			AR		26	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			1		25	RN60C1400C	(1896984-250) RESISTOR, MIL-R-10509/1
			1		24	RN60C1000C	(1896984-222), MIL-R-10509/1
			2		23	RC32GF101J	(1896953-039), MIL-R-11/6
			2		22	RC32GF510J	(1896953-032), MIL-R-11/6
			2		21	RC20GF684J	(1896952-117), MIL-R-11/3
			1		20	RC20GF332J	(1896952-061), MIL-R-11/3
			1		19	RC20GF122J	(1896952-051), MIL-R-11/3
			1		18	RC42GF101J	(1896951-025), MIL-R-11/7
			1		17	RC42GF510J	(189695[illegible]) RESISTOR, MIL-R-11/7
			1		16	1016053-023	RESISTOR
			2		15	-021	
			1		14	-020	
			2		13	-019	
			1		12	-012	
			2		11	-005	
			1		10	-004	
			1		9	-003	
			1		8	1016053-001	RESISTOR
			1		7	1015935-001	TRANSISTOR
			2		6	1N1737	(1897251-004) SEMICONDUCTOR
			2		5	1N3025B	(1896966-187) SEMICONDUCTOR MIL-S-19500
			1		4	1N3030B	(1896966-070) SEMICONDUCTOR MIL-S-19500
			1		3	CS13BD335K	(1896954-082) CAPACITOR MIL-C-26655/2
			2		2	CS13BB157K	(1896954-061) CAPACITOR MIL-C-26655/2
			1		1	2900519	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Frank [illegible] DATE 10 SEP 65
CHECKED C. Pingel 13 SEP 65
APPROVAL [illegible] 14 SEP 65
APPROVAL [illegible]
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible]

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS ASSEMBLY

CODE IDENT NO. 98974
SIZE E
2900778
SCALE 2:1
SHEET 1 OF 1

G. Erickson 13 SEP 65

NOTES:

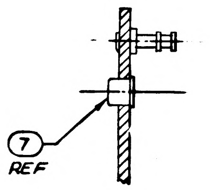
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM (26) OR (27) AND (28).
4. USE INSULATING SLEEVE ITEM (29) AS REQUIRED ON LEADS AS SHOWN.
5. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
6. BOND ITEMS (2), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17) AND (18) TO ITEM (1) PER ND1002203.
7. POLARITY SYMBOLS ARE FOR REFERENCE ONLY.

REF. DESIG.	ITEM NO.	
C5	2	SEE NOTE 6
C6	2	SEE NOTE 6
C9	3	
CR 9	5	
CR 10	5	
CR 12	6	SEE NOTE 6
CR 18	6	SEE NOTE 6
CR24	4	
Q5	7	SEE NOTE 6
R1	16	SEE NOTE 6
R3	14	SEE NOTE 6
R5	20	
R8	11	SEE NOTE 6
R10	9	SEE NOTE 6
R11	23	
R12	10	SEE NOTE 6
R14	18	SEE NOTE 6
R15	15	SEE NOTE 6
R17	25	

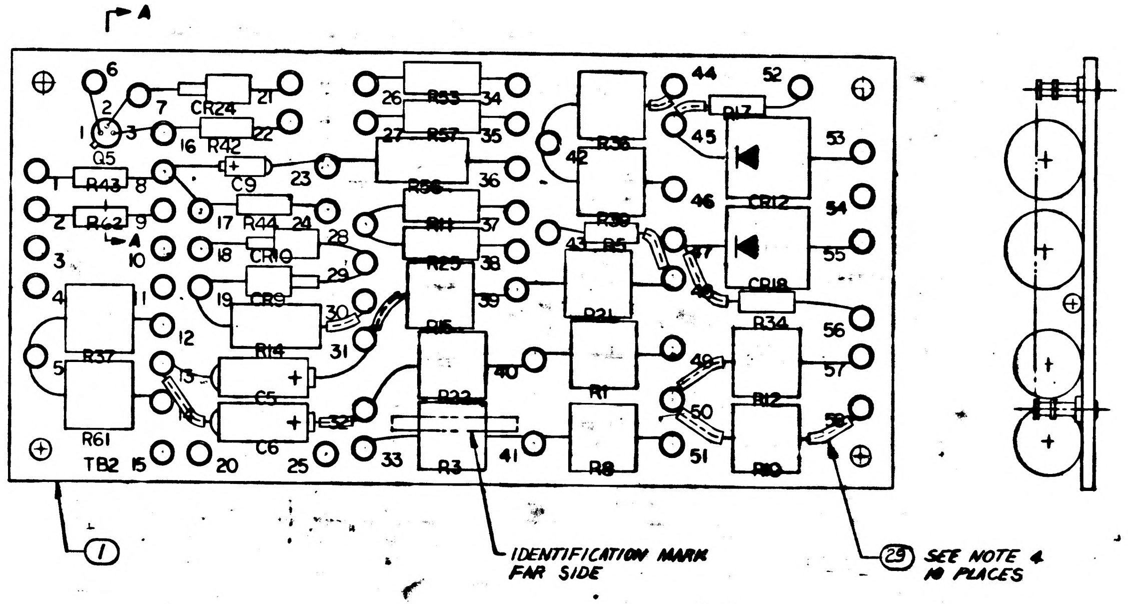
REF. DESIG.	ITEM NO.	
R21	15	SEE NOTE 6
R22	11	SEE NOTE 6
R25	23	
R34	24	
R36	13	SEE NOTE 6
R37	12	SEE NOTE 6
R39	13	SEE NOTE 6
R42	19	
R43	21	
R44	21	
R53	22	
R56	17	SEE NOTE 6
R57	22	
R61	8	SEE NOTE 6
R62	30	

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 206402		27 OCT 65	J.K. E.G.
B		INITIAL RELEASE CLASS A PER TDRR 24042		28 OCT 65	UWP
C		REVISED PER TDRR 24407		3 DEC 65	EM



SECTION A-A



(1)

IDENTIFICATION MARK FAR SIDE

(29) SEE NOTE 4 10 PLACES

	QUANTITY REQUIRED -011	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	30	RN60C4992F	(1896976-452) RESISTOR MIL-R-10509/1
SEE NOTE 5	AR	29	1006776-16	INSULATION, SLEEVING, ELEC.
	AR	28	MIL-F-14256 TYPE A ORW	FLUX (ES 2798)
	AR	27	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
	AR	26	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
	1	25	RN60C1400C	(1896984-250) RESISTOR, MIL-R-10509/1
	1	24	RN60C1000C	(1896984-222), MIL-R-10509/1
	2	23	RC32GF101J	(1896953-039), MIL-R-11/6
	2	22	RC32GF510J	(1896953-032), MIL-R-11/6
	2	21	RC20GF684J	(1896952-117), MIL-R-11/3
	1	20	RC20GF332J	(1896952-061), MIL-R-11/3
	1	19	RC20GF122J	(1896952-051), MIL-R-11/3
	1	18	RC42GF101J	(1896951-025), MIL-R-11/7
	1	17	RC42GF510J	(1896951-018) RESISTOR, MIL-R-11/7
SEE NOTE 5	1	16	1016053-023	RESISTOR
	2	15	-021	
	1	14	-020	
	2	13	-019	
	1	12	-012	
	2	11	-005	
	1	10	-004	
	1	9	-003	
	1	8	1016053-001	RESISTOR
SEE NOTE 5	1	7	1015935-001	TRANSISTOR
	2	6	1N1737	(1897251-004) SEMICONDUCTOR
	2	5	1N3025B	(1896966-187) SEMICONDUCTOR, MIL-S-19500
	1	4	1N3030B	(1896966-070) SEMICONDUCTOR, MIL-S-19500
	1	3	CS13BD335K	(1896954-082) CAPACITOR, MIL-C-26655/2
	2	2	CS13BB157K	(1896954-061) CAPACITOR, MIL-C-26655/2
	1	1	2900519	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.

DRAWN Frank R. Walley DATE 10 SEP 65
CHECKED C. Pizzida 13 SEP 65
APPROVAL 14 SEP 65
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS ASSEMBLY

CODE IDENT NO. 96074
SIZE E
2900778
SCALE 2:1
SHEET 1 OF 1

G. Erickson 3 SEP 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM (26) OR (27) AND (28).
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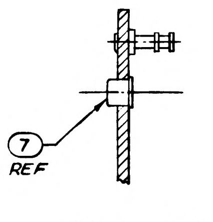
6. BOND ITEMS (2), (6), (7), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17) AND (18) TO ITEM (1) PER ND1002203.
7. POLARITY SYMBOLS ARE FOR REFERENCE ONLY.

REF. DESIG.	ITEM NO.	
C5	2	SEE NOTE 6
C6	2	SEE NOTE 6
C9	3	
CR 9	5	
CR 10	5	
CR 12	6	SEE NOTE 6
CR 18	6	SEE NOTE 6
CR24	4	
Q5	7	SEE NOTE 6
R1	16	SEE NOTE 6
R3	14	SEE NOTE 6
R5	20	
R8	11	SEE NOTE 6
R10	9	SEE NOTE 6
R11	23	
R12	10	SEE NOTE 6
R14	18	SEE NOTE 6
R15	15	SEE NOTE 6
R17	25	

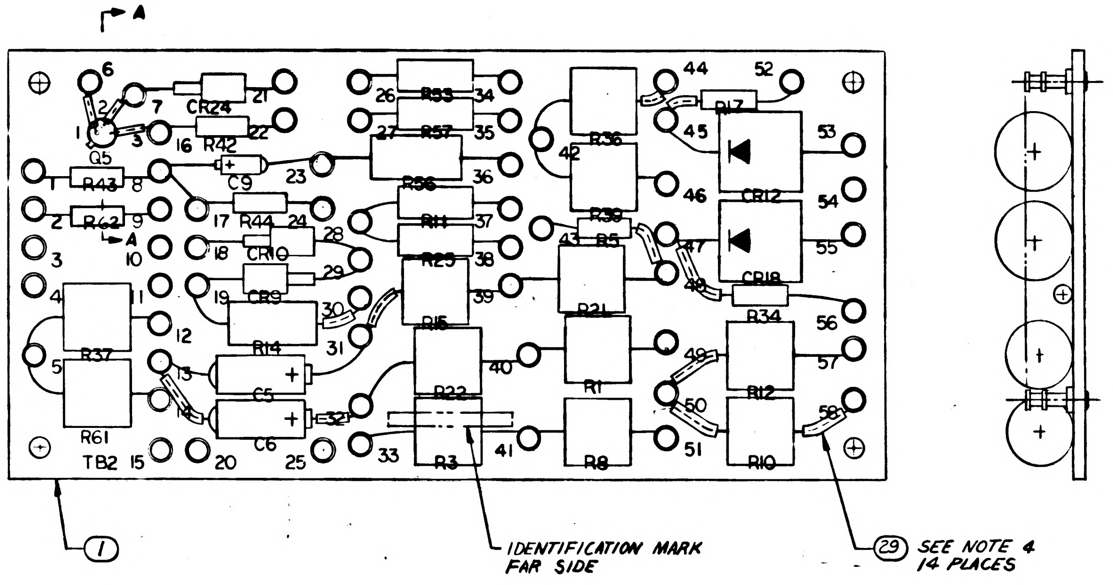
REF. DESIG.	ITEM NO.	
R21	15	SEE NOTE 6
R22	11	SEE NOTE 6
R25	23	
R34	24	
R36	13	SEE NOTE 6
R37	12	SEE NOTE 6
R39	13	SEE NOTE 6
R42	19	
R43	21	
R44	21	
R53	22	
R56	17	SEE NOTE 6
R57	22	
R61	8	SEE NOTE 6
R62	30	

REVISIONS

	ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A		REVISED PER MXC 206402		27 OCT 65	J.K.
Ⓜ	B		INITIAL RELEASE CLASS A PER TDRR 24042		28 OCT 65	JWP
Ⓜ	C		REVISED PER TDRR 24407		3 DEC 65	EM
	D		REVISED PER TDRR 26986		11 MAR 66	



SECTION A-A



	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1		30	RN60C4992F	(1896976-452) RESISTOR MIL-R-10509/1
SEE NOTE 5	AR		29	1006776-16	INSULATION, SLEEVING, ELEC.
	AR		28	MIL-F-14256 TYPE A ORW	FLUX (ES 2798)
	AR		27	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
	AR		26	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
	1		25	RN60C1400C	(1896984-250) RESISTOR, MIL-R-10509/1
	1		24	RN60C1000C	(1896984-222) , MIL-R-10509/1
	2		23	RC32GF101J	(1896953-039) , MIL-R-11/6
	2		22	RC32GF510J	(1896953-032) , MIL-R-11/6
	2		21	RC20GF684J	(1896952-117) , MIL-R-11/3
	1		20	RC20GF332J	(1896952-061) , MIL-R-11/3
	1		19	RC20GF122J	(1896952-051) , MIL-R-11/3
	1		18	RC42GF101J	(1896951-025) , MIL-R-11/7
	1		17	RC42GF510J	(1896951-018) RESISTOR, MIL-R-11/7
SEE NOTE 5	1		16	1016053-023	RESISTOR
	2		15	-021	
	1		14	-020	
	2		13	-019	
	1		12	-012	
	2		11	-005	
	1		10	-004	
	1		9	-003	
	1		8	1016053-001	RESISTOR
SEE NOTE 5	1		7	1015935-001	TRANSISTOR
	2		6	1N1737	(1897251-004) SEMICONDUCTOR
	2		5	1N3025B	(1896966-187) SEMICONDUCTOR, MIL-S-19500
	1		4	1N3030B	(1896966-070) SEMICONDUCTOR, MIL-S-19500
	1		3	CS13BD335K	(1896954-082) CAPACITOR, MIL-C-26655/2
	2		2	CS13BB157K	(1896954-061) CAPACITOR, MIL-C-26655/2
	1		1	2900519	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Frank R. Walley DATE 10SEP65
CHECKED C. Piojda 13SEP65
APPROVAL 14SEP65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS ASSEMBLY

CODE IDENT NO 99974
SIZE E
2900778
SCALE 2:1
SHEET

G. Erickson 3 SEP 65

NOTES:

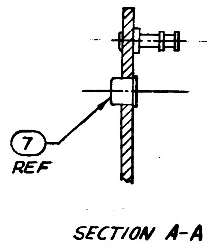
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM (26) OR (27) AND (28).
4. USE INSULATING SLEEVE ITEM (29) AS REQUIRED ON LEADS AS SHOWN.
5. VENDOR ITEM- SEE SPECIFICATION CONTROL DRAWING.
6. BOND ITEMS (2), (6), (7), (8), (33), (9), (35), (10), (11), (12), (13), (14), (15), (16), (17) AND (18) TO ITEM (1), (36) PER ND1002203.
7. POLARITY SYMBOLS ARE FOR REFERENCE ONLY.

REF. DESIG.	ITEM NO. 011 ASSY	ITEM NO. 021 ASSY	
C5	2	2	SEE NOTE 6
C6	2	2	SEE NOTE 6
C9	3	3	
CR 9	5	5	
CR 10	5	5	
CR 12	6	6	SEE NOTE 6
CR 18	6	6	SEE NOTE 6
CR24	4	4	
CR30	-	32	
CR31	-	32	
Q5	7	7	SEE NOTE 6
R1	16	16	SEE NOTE 6
R3	14	14	SEE NOTE 6
R5	20	20	
R8	11	11	SEE NOTE 6
R10	9	35	SEE NOTE 6
R11	23	34	
R12	10	10	SEE NOTE 6
R14	18	18	SEE NOTE 6
R15	15	15	SEE NOTE 6
R17	25	25	

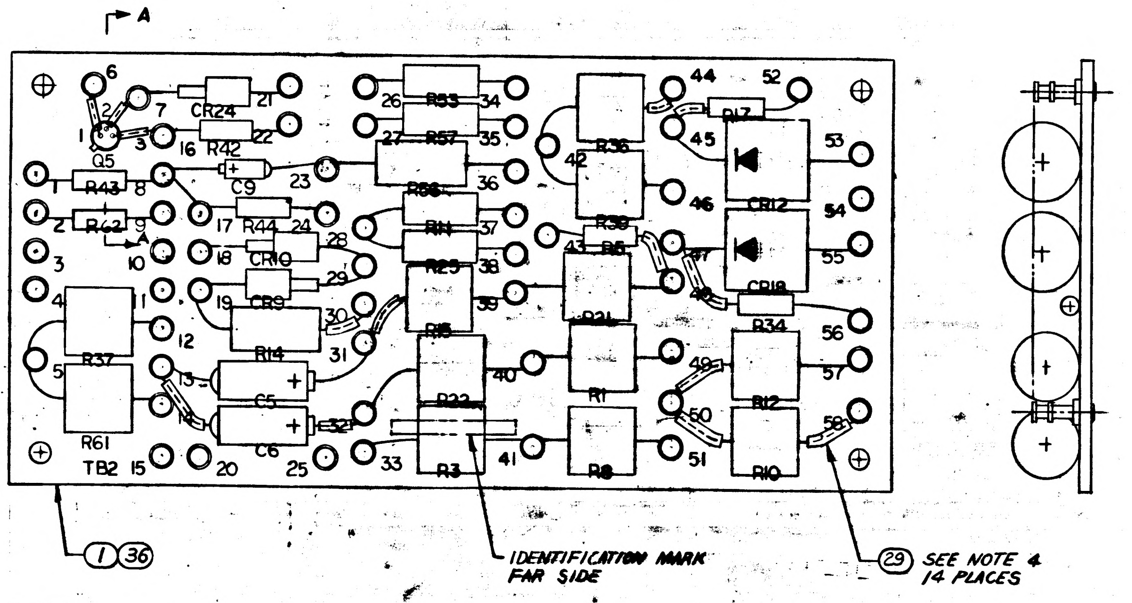
REF. DESIG.	ITEM NO. 011 ASSY	ITEM NO. 021 ASSY	
R21	15	15	SEE NOTE 6
R22	11	11	SEE NOTE 6
R25	23	23	
R34	24	24	
R36	13	13	SEE NOTE 6
R37	12	12	SEE NOTE 6
R39	13	13	SEE NOTE 6
R42	19	19	
R43	21	21	
R44	21	21	
R53	22	22	
R56	17	17	SEE NOTE 6
R57	22	22	
R61	8	33	SEE NOTE 6
R62	30	30	
R63	—	31	

REVISIONS

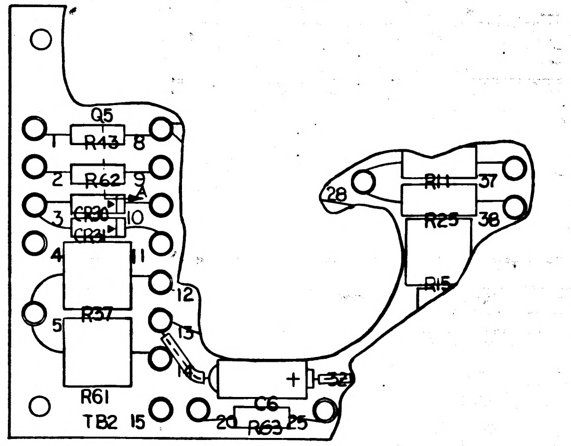
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 206402		27 OCT 65	J.K. J.E.G.
B		INITIAL RELEASE CLASS A PER TDRR 24042		28 OCT 65	JWP
C		REVISED PER TDRR 24407		3 DEC 65	EM
D		REVISED PER TDRR 26986		11 MAR 66	
E		REVISED PER TDRR 32135		3 DEC 66	JC



SECTION A-A



A
Q5
CR24
R42
C9
R43
R62
R44
CR10
CR9
R14
R37
R61
TB2
C5
C6
R53
R57
R56
R11
R25
R15
R22
R3
R36
R39
R5
R21
R1
R8
R17
CR12
CR18
R34
R12
R10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58
(1)(36)
IDENTIFICATION MARK FAR SIDE
(29) SEE NOTE 4 14 PLACES



Q5
R43
R62
CR30
CR31
R37
R61
TB2
R11
R25
R15
C6
R63
1 2 3 4 5 7 8 9 10 11 12 13 14 15 20 25 28 32 37 38

			-021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1	-		36	2901545	TERMINAL BOARD (INSEPARABLE ASSY)
SEE NOTE 5			1	-		35	1016053-029	RESISTOR
			1	-		34	RC20GF301J	(1896952-036) RESISTOR, MIL-R-11/3
SEE NOTE 5			1	-		33	1016053-024	RESISTOR
			2	-		32	1N459	(1896966-291) SEMICONDUCTOR, MIL-S-19500
			1	-		31	RC20GF431J	(1896952-040) RESISTOR, MIL-R-11/3
			1	1		30	RN60C4992F	(1896976-452) RESISTOR MIL-R-10509/1
SEE NOTE 5			AR	AR		29	1006776-16	INSULATION, SLEEVING, ELEC.
			AR	AR		28	MIL-F-14256 TYPE A ORW	FLUX (ES 2798)
			AR	AR		27	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
			AR	AR		26	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			1	1		25	RN60C1400C	(1896984-250) RESISTOR, MIL-R-10509/1
			1	1		24	RN60C1000C	(1896984-222), MIL-R-10509/1
			1	2		23	RC32GF101J	(1896953-039), MIL-R-11/6
			2	2		22	RC32GF510J	(1896953-032), MIL-R-11/6
			2	2		21	RC20GF684J	(1896952-117), MIL-R-11/3
			1	1		20	RC20GF332J	(1896952-061), MIL-R-11/3
			1	1		19	RC20GF122J	(1896952-051), MIL-R-11/3
			1	1		18	RC42GF101J	(1896951-025), MIL-R-11/7
			1	1		17	RC42GF510J	(1896951-018) RESISTOR, MIL-R-11/7
SEE NOTE 5			1	1		16	1016053-023	RESISTOR
			2	2		15	-021	
			1	1		14	-020	
			2	2		13	-019	
			1	1		12	-012	
			2	2		11	-005	
			1	1		10	-004	
			—	1		9	-003	
			—	1		8	1016053-001	RESISTOR
SEE NOTE 5			1	1		7	1015935-001	TRANSISTOR
			2	2		6	1N1737	(1897251-004) SEMICONDUCTOR,
			2	2		5	1N3025B	(1896966-187) SEMICONDUCTOR, MIL-S-19500
			1	1		4	1N3030B	(1896966-070) SEMICONDUCTOR, MIL-S-19500
			1	1		3	CS13BD335K	(1896954-082) CAPACITOR, MIL-C-26655/2
			2	2		2	CS13BB157K	(1896954-061) CAPACITOR, MIL-C-26655/2
			—	1		1	2900519	TERMINAL BOARD

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-021	2900060-021	-021
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN Frank R. Walley DATE 10 SEP 65
CHECKED C. Pisida 13 SEP 65
APPROVAL 14 SEP 65
APPROVAL 10/21/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS
ASSEMBLY (TB2)

CODE IDENT NO. 99974
SIZE E
2900778
SCALE 2:1
SHEET 1 OF 1

G. Erickson 13 SEP 65

NOTES:

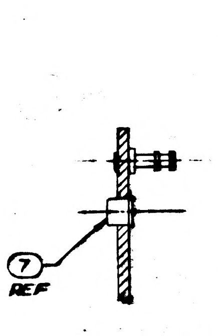
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM (26) OR (27) AND (28).
4. USE INSULATING SLEEVE ITEM (29) AS REQUIRED ON LEADS AS SHOWN.
5. VENDOR ITEM- SEE SPECIFICATION CONTROL DRAWING.
6. BOND ITEMS (2), (6), (7), (8), (33), (9), (35), (10), (11), (12), (13), (14), (39), (15), (16), (17) AND (18) TO ITEM (1), (36) PER ND1002203.
7. POLARITY SYMBOLS ARE FOR REFERENCE ONLY.

REF. DESIG.	ITEM NO.		
	011 ASSY	021 ASSY	
C5	2	2	SEE NOTE 6
C6	2	2	SEE NOTE 6
C9	3	3	
CR9	5	-	
CR10	5	-	
CR12	6	6	SEE NOTE 6
CR18	6	6	SEE NOTE 6
CR24	4	4	
CR30	-	32	
CR31	-	32	
Q5	7	7	SEE NOTE 6
R1	16	16	SEE NOTE 6
R3	14	14	SEE NOTE 6
R5	20	20	
R8	11	11	SEE NOTE 6
R10	9	35	SEE NOTE 6
R11	23	34	
R12	10	10	SEE NOTE 6
R14	18	18	SEE NOTE 6
R15	15	15	SEE NOTE 6
R17	25	25	

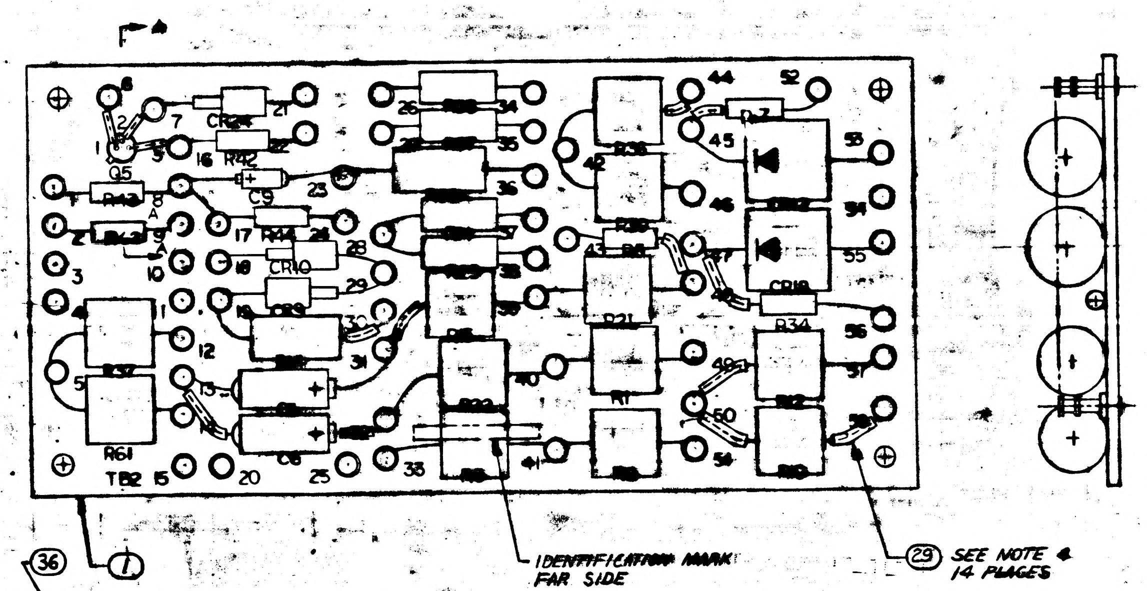
REF. DESIG.	ITEM NO.		
	011 ASSY	021 ASSY	
R21	15	15	SEE NOTE 6
R22	11	11	SEE NOTE 6
R25	23	37	
R34	24	24	
R36	13	13	SEE NOTE 6
R37	12	12	SEE NOTE 6
R39	13	13	SEE NOTE 6
R42	19	19	
R43	21	21	
R44	21	21	
R53	22	39	SEE NOTE 6
R56	17	38	SEE NOTE 6
R57	22	39	SEE NOTE 6
R61	8	33	SEE NOTE 6
R62	30	30	
R63	—	31	

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER MXC 206402		27 OCT 66	JK J.E.G.
B		INITIAL RELEASE CLASS A PER TDRR 24042		28 OCT 65	JWP
C		REVISED PER TDRR 24407		3 DEC 65	EW
D		REVISED PER TDRR 26986		11 MAR 66	
E		REVISED PER TDRR 32135		3 DEC 66	JC
F		REVISED PER TDRR 32733		24 JAN 67	LL

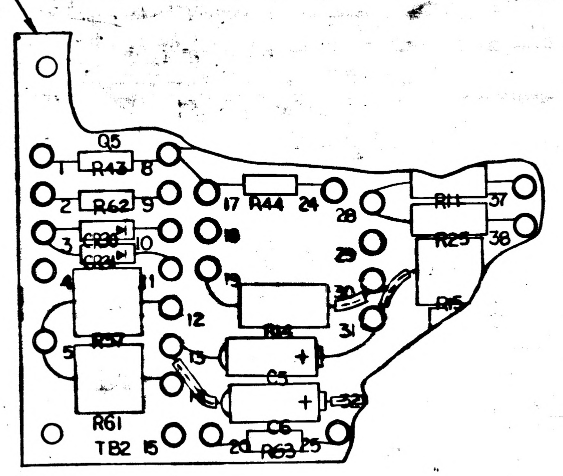


SECTION A-A



IDENTIFICATION MARK FAR SIDE

(29) SEE NOTE 4 14 PLACES



FOR-021 CONFIGURATION ONLY

			-021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			2	-		39	RC42GF121J	(1896951-027) RESISTOR MIL-R-11/7
			1	-		38	RC42GF750J	(1896951-022) RESISTOR MIL-R-11/7
			1	-		37	RC32GF271J	(1896953-049) RESISTOR MIL-R-11/6
			1	-		36	2901546	TERMINAL BOARD (INSEPARABLE ASSY)
SEE NOTE 5			1	-		35	1016053-029	RESISTOR
			1	-		34	RC20GF301J	(1896952-036) RESISTOR, MIL-R-11/3
SEE NOTE 5			1	-		33	1016053-024	RESISTOR
			2	-		32	1N459	(1896966-291) SEMICONDUCTOR, MIL-S-19500
			1	-		31	RC20GF43W	(1896952-040) RESISTOR, MIL-R-11/3
			1	1		30	RN60C4992F	(1896976-452) RESISTOR MIL-R-10509/1
SEE NOTE 5			AR	AR		29	1006776-16	INSULATION, SLEEVING, ELEC.
			AR	AR		28	MIL-F-14256 TYPE A ORW	FLUX (ES 2798)
			AR	AR		27	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
			AR	AR		26	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			1	1		25	RN60C1400C	(1896984-250) RESISTOR, MIL-R-10509/1
			1	1		24	RN60C1000C	(1896984-222), MIL-R-10509/1
			-	2		23	RC32GF101J	(1896953-039), MIL-R-11/6
			-	2		22	RC32GF510J	(1896953-032), MIL-R-11/6
			2	2		21	RC20GF684J	(1896952-117), MIL-R-11/3
			1	1		20	RC20GF332J	(1896952-061), MIL-R-11/3
			1	1		19	RC20GF122J	(1896952-051), MIL-R-11/3
			1	1		18	RC42GF101J	(1896951-025), MIL-R-11/7
			-	1		17	RC42GF510J	(1896951-018) RESISTOR, MIL-R-11/7
SEE NOTE 5			1	1		16	1016053-023	RESISTOR
			2	2		15	-021	
			1	1		14	-020	
			2	2		13	-019	
			1	1		12	-012	
			2	2		11	-005	
			1	1		10	-004	
			—	1		9	-003	
			—	1		8	1016053-001	RESISTOR
SEE NOTE 5			1	1		7	1015935-001	TRANSISTOR
			2	2		6	1N1737	(1897251-004) SEMICONDUCTOR
			-	2		5	1N3025B	(1896966-187) SEMICONDUCTOR, MIL-S-19500
			1	1		4	1N3030B	(1896966-070) SEMICONDUCTOR, MIL-S-19500
			1	1		3	CS13BD335K	(1896954-082) CAPACITOR, MIL-C-26655/2
			2	2		2	CS13BB157K	(1896954-061) CAPACITOR, MIL-C-26655/2
			—	1		1	2900519	TERMINAL BOARD

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-021	2900060-021	-021
2900060-011	2900060-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.

DRAWN Frank R. Walley DATE 10 SEP 65
CHECKED C. Pizzida 13 SEP 65
APPROVAL 14 SEP 65
APPROVAL

NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS ASSEMBLY (TB2)

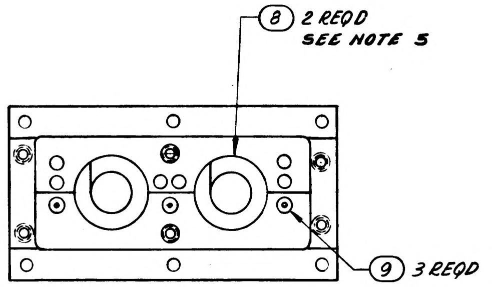
CODE IDENT NO. [illegible]
SIZE E
2900778
SCALE 2:1
SHEET 1 OF 1

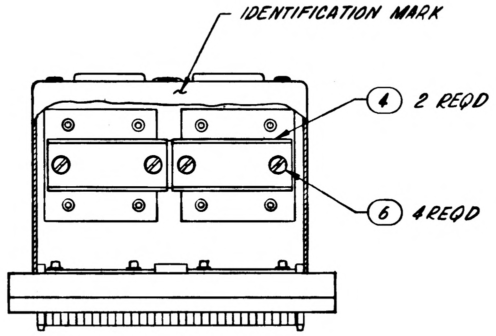
G. Erickson 13 SEP 65

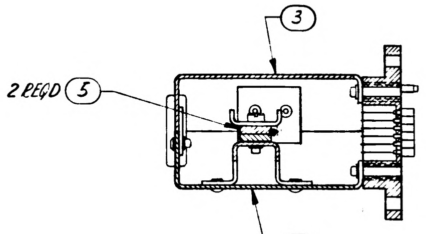
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
3. BOND ITEM ⑤ TO ITEM ④ PER ND1002151.
4. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
5. ITEM ⑧ TO BE SPLIT PER MS35489 AT INSTALLATION.

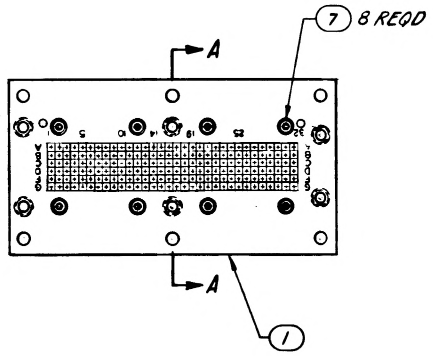
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 207515		3 DEC 65	
	B	INITIAL RELEASE CLASS A PER TDRR 24761		28 DEC 65	







SECTION A-A



			3		9	1006783-19	SCREW BUTTON HEAD	
			2		8	MS35489-17	GROMMET, RUBBER	
			8		7	1017418-11	SCREW, CAP, SOC HD	SEE NOTE 4
			4		6	1017429-4	SCREW, SHOULDER	SEE NOTE 4
			2		5	2900580-001	GASKET	
			2		4	2900711-001	CLAMP MOVABLE	
			1		3	6900014	SHELL, ELECT CONN (INSERT ASSY)	
			1		2	6900013	SHELL, ELECT CONN (INSERT ASSY)	
			1		1	2900767	BASE, ELECT CONN (INSERT ASSY)	
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS			

SEE NOTE 4

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900664	2900712-011	011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN J. GRIEB DATE 29 SEP 65
CHECKED
APPROVAL 30 SEP 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

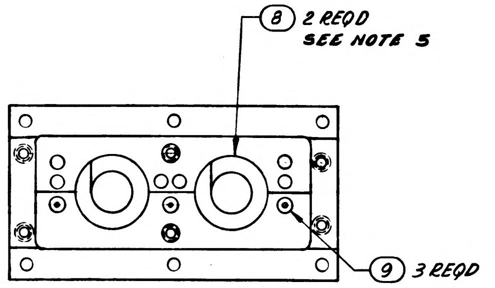
CONNECTOR, SOCKET,
ELECTRICAL [illegible] PIN

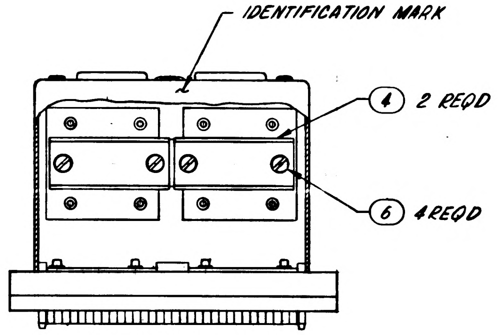
CODE IDENT NO 99974
SIZE E
2900779
SCALE FULL
SHEET

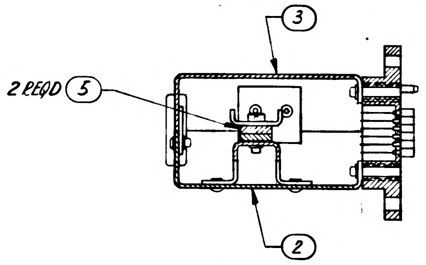
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
3. BOND ITEM ⑤ TO ITEM ④ PER ND1002151.
4. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
5. ITEM ⑧ TO BE SPLIT PER MS35489 AT INSTALLATION.

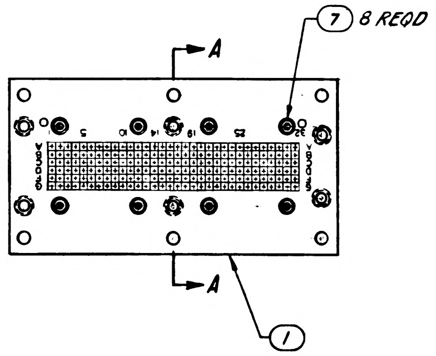
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 207515		13 DEC 65	
	B	INITIAL RELEASE CLASS A PER TDRR 24761		28 DEC 65	
	C	REVISED PER TDRR 28989		23 11 66	







SECTION A-A



SEE NOTE	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
SEE NOTE 4				3		9	1006783-19	SCREW BUTTON HEAD
				2		8	MS35489-17	GROMMET, RUBBER
SEE NOTE 4				8		7	1017418-11	SCREW, CAP, SOC HD
				4		6	2901022-004	SCREW, SHOULDER
				2		5	2900580-001	GASKET
				2		4	2900711-001	CLAMP MOVABLE
				1		3	6900014	SHELL, ELECT CONN (INSE[illegible]SY)
				1		2	6900013	SHELL, ELECT CONN (INSE[illegible]SY)
				1		1	2900767	BASE, ELECT CONN (INSE[illegible]SY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900664	2900712-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN [illegible] DATE 23 SEP 65
CHECKED J. GRIEB 29 SEP 65
APPROVAL [illegible] 30 SEP 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, SOCKET,
ELECTRICAL [illegible] PIN

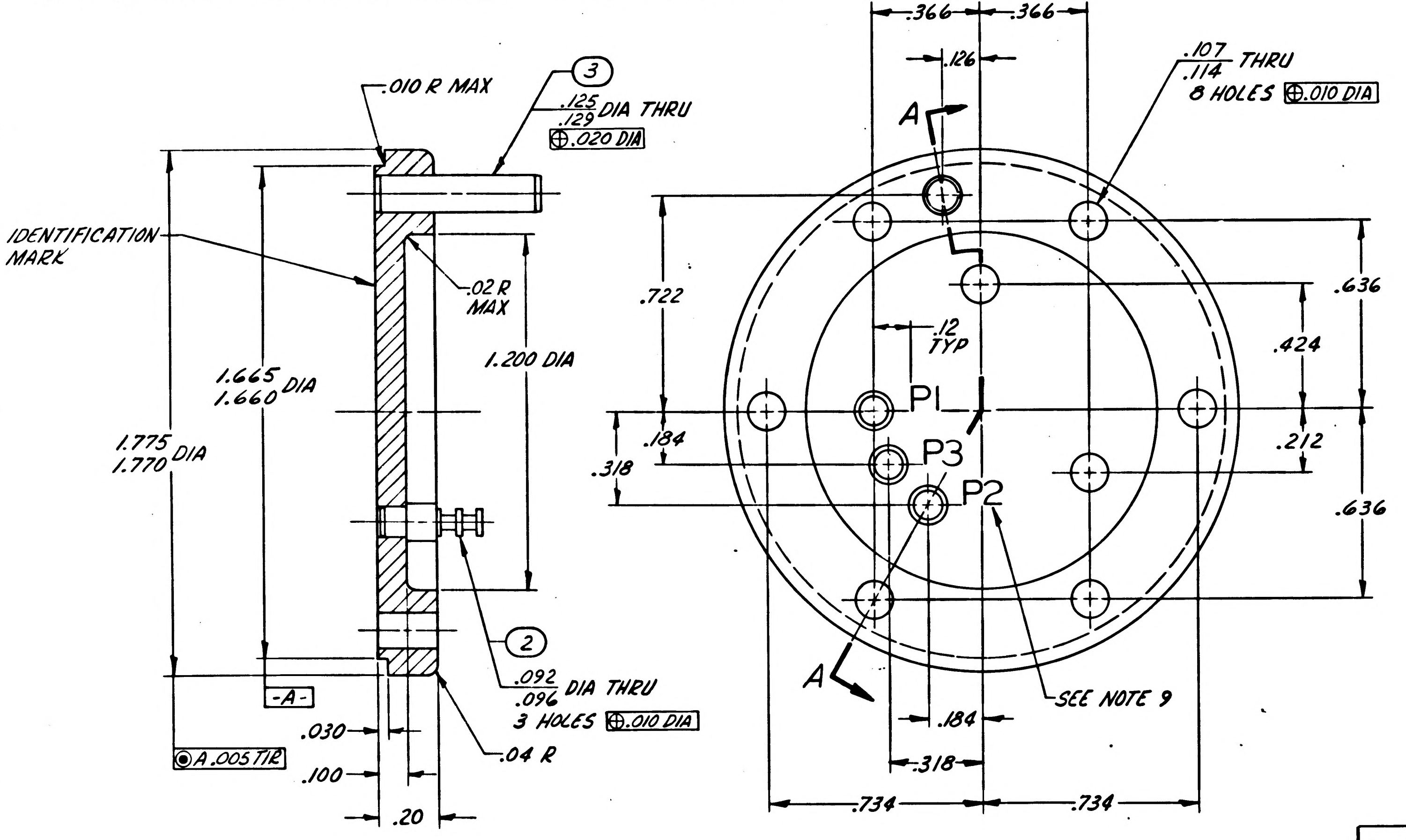
CODE IDENT NO. 99974
SIZE E
2900779
SCALE FULL
SHEET 1 OF 1

2900783 A

REVISIONS		23418			
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR / CW

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: QQ-A-200/A TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
   B. ALL CORNERS TO BE .010 R OR CHAMFER.
6. DIMENSIONS LOCATING THE TRUE POSITION ⊕ ARE BASIC.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. MARK CHARACTERS PER ND1002019, .10 HIGH, COLOR BLACK.


.010 R MAX
③
.125 / .129 DIA THRU
⊕ .020 DIA
IDENTIFICATION MARK
.02 R MAX
1.200 DIA
1.665 / 1.660 DIA
1.775 / 1.770 DIA
②
.092 / .096 DIA THRU
3 HOLES ⊕ .010 DIA
.04 R
-A-
◎ A .005 TIR
.030
.100
.20
.366
.366
.126
.107 / .114 THRU
8 HOLES ⊕ .010 DIA
A
A
.722
.12 TYP
P1
P3
P2
.184
.318
.636
.424
.212
.636
.184
.318
.734
.734
SEE NOTE 9

SECTION A-A

		ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	3	1	MS171527	PIN, SPRING
SEE NOTE 8	2	3	1006689-1	TERMINAL, INSULATED, PRESS FIT
SEE NOTES 2 & 3	1	1	2900783-001	RETAINER, INNER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900790-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.005 ±.02 ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION. GMC
MILWAUKEE. WISCONSIN
ACSP PN
DRAWN C. M. Kulp DATE 15 SEP 65
CHECKED C. Pinda 30 SEP 65
APPROVAL A. Altenhal 30 SEP 65
APPROVAL 10.21.65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RETAINER, INNER
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900783
SCALE 4/1
SHEET 1 OF 1

H. Erickson 30SEP65

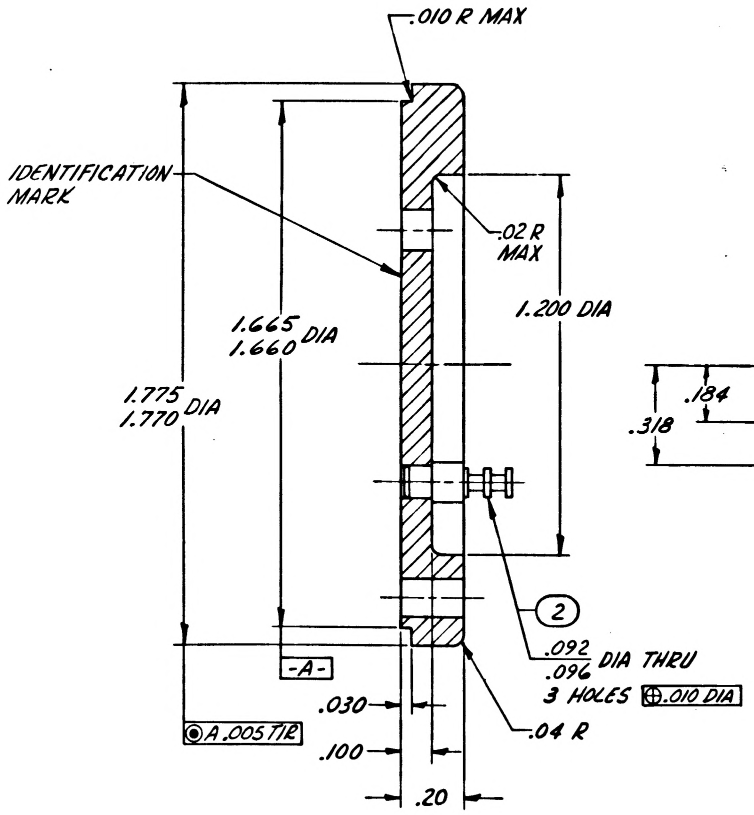
MIL 1077UA

2900783 B

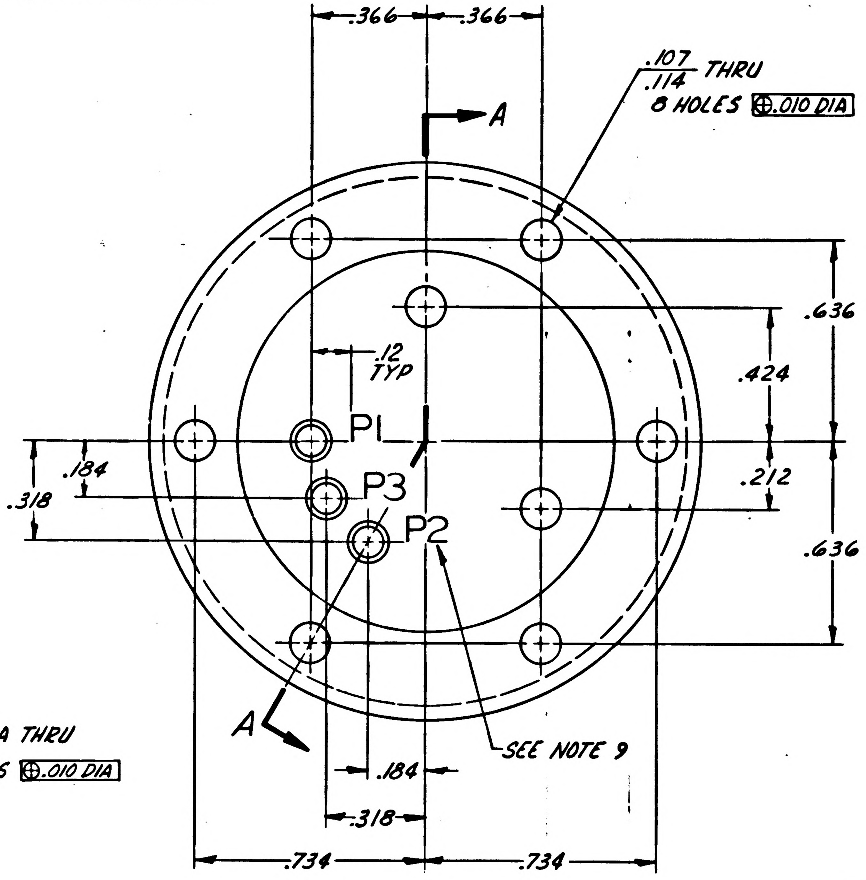
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: QQ-A-200/A TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
   B. ALL CORNERS TO BE .010 R OR CHAMFER.
6. DIMENSIONS LOCATING THE TRUE POSITION ⊕ ARE BASIC.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. MARK CHARACTERS PER ND1002019, .10 HIGH, COLOR BLACK.

REVISIONS 23918					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
③ A		INITIAL RELEASE CLASS A PER TDRR 23918		19 OCT 65	JR / CW
B		REVISED PER TDRR 24128		29 NOV 65	RP / EF


.010 R MAX
IDENTIFICATION MARK
.02 R MAX
1.200 DIA
1.665 / 1.660 DIA
1.775 / 1.770 DIA
2
.092 / .096 DIA THRU
3 HOLES ⊕ .010 DIA
.04 R
-A-
◎ A .005 TIR
.030
.100
.20

SECTION A-A


.366
.366
.107 / .114 THRU
8 HOLES ⊕ .010 DIA
A
A
.12 TYP
P1
P3
P2
.184
.318
.636
.424
.212
.636
.184
.318
.734
.734
SEE NOTE 9

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	3	~~1~~	~~MS171527~~	~~PIN, SPRING~~
SEE NOTE 8	2	3	1006689-1	TERMINAL, INSULATED, PRESS FIT
SEE NOTES 2 & 3	1	1	2900783-001	RETAINER, INNER

LIST OF PARTS AND MATERIALS

NEXT ASSY	2900790-011
USED ON	2900770-011
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − ; DECIMALS ±.005 ±.02 ; ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN C. M. Kulp DATE 15 SEP 65
CHECKED C. Pinda 30 SEP 65
APPROVAL A Altenbach 30 SEP 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RETAINER, INNER
(INSEPARABLE ASSEMBLY)

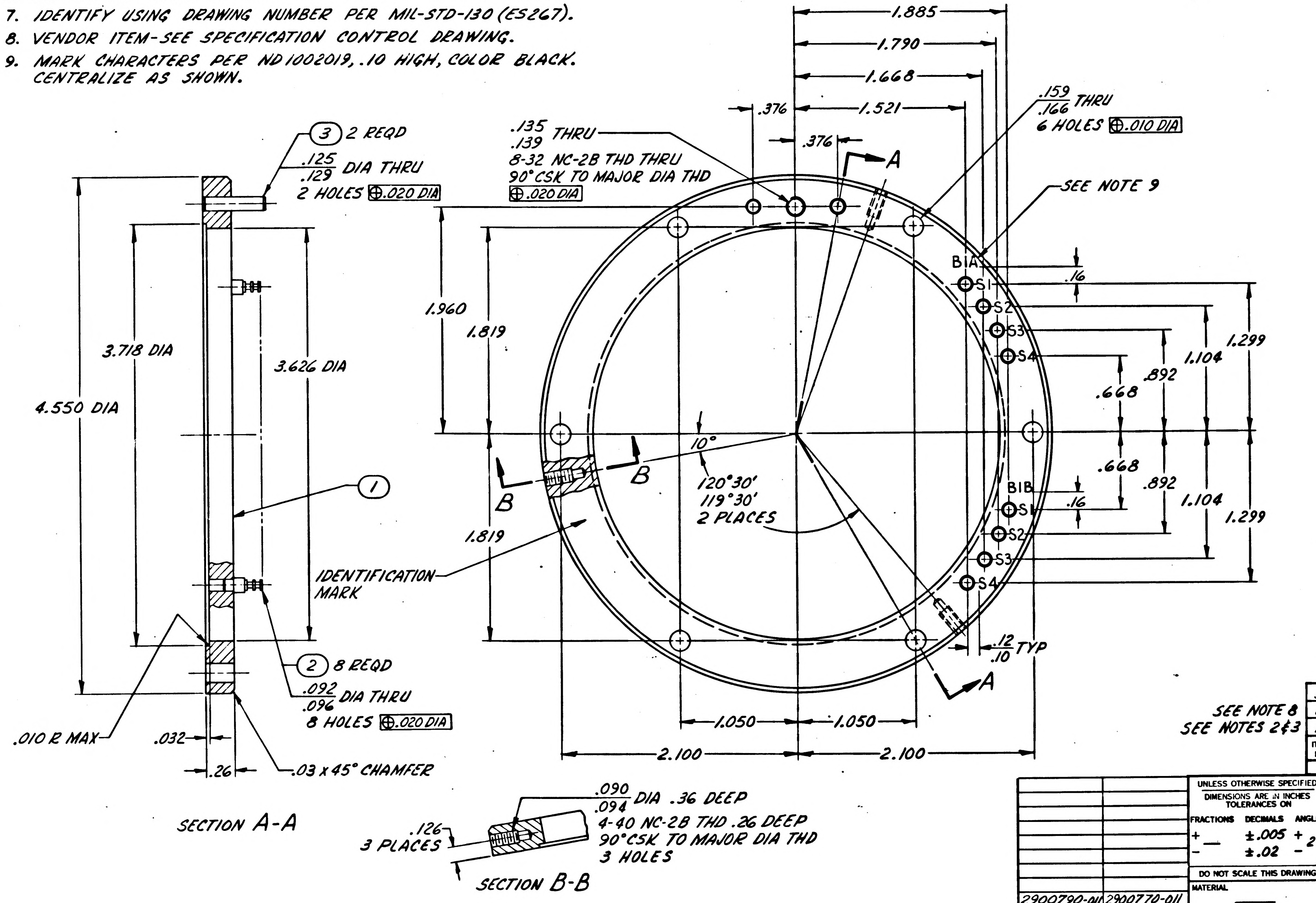
CODE IDENT NO. 99974 SIZE D 2900783
SCALE 4/1 SHEET 1 OF 1

H. Erickson 30 SEP 65

2900786 A

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: QQ-A-200/8 TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. SURFACE ROUGHNESS MUST NOT EXCEED 125/.
   B. ALL CORNERS TO BE .010 R OR CHAMFER.
6. DIMENSIONS LOCATING THE TRUE POSITION ⊕ ARE BASIC.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. MARK CHARACTERS PER ND1002019, .10 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.


③ 2 REQD
.125/.129 DIA THRU
2 HOLES ⊕ .020 DIA
.135/.139 THRU
8-32 NC-2B THD THRU
90° CSK TO MAJOR DIA THD
⊕ .020 DIA
.159/.166 THRU
6 HOLES ⊕ .010 DIA
SEE NOTE 9
1.885
1.790
1.668
1.521
.376
.376
A
A
3.718 DIA
4.550 DIA
3.626 DIA
1.960
1.819
1.819
B1A
S1
S2
S3
S4
B1B
S1
S2
S3
S4
.16
.16
.668
.892
1.104
1.299
.668
.892
1.104
1.299
10°
120°30'
119°30'
2 PLACES
B
B
①
IDENTIFICATION MARK
② 8 REQD
.092/.096 DIA THRU
8 HOLES ⊕ .020 DIA
.12/.10 TYP
1.050
1.050
2.100
2.100
.010 R MAX
.032
.26
.03 x 45° CHAMFER
SECTION A-A
.090/.094 DIA .36 DEEP
4-40 NC-2B THD .26 DEEP
90° CSK TO MAJOR DIA THD
3 HOLES
.126
3 PLACES
SECTION B-B

REVISIONS 23418					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 23918		19 OCT 65	JR

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	3	2	MS171527	PIN, SPRING
SEE NOTE 8	2	8	1006689-1	TERMINAL, INSULATED
SEE NOTES 2&3	1	1	2900786-001	RETAINER, OUTER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900790-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ 2°
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN C.M. Kulo DATE 17 SEP 65
CHECKED C. Pizida 30 SEP 65
APPROVAL 30 SEP 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RETAINER, OUTER
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900786
SCALE 2/1
SHEET 1 OF 1

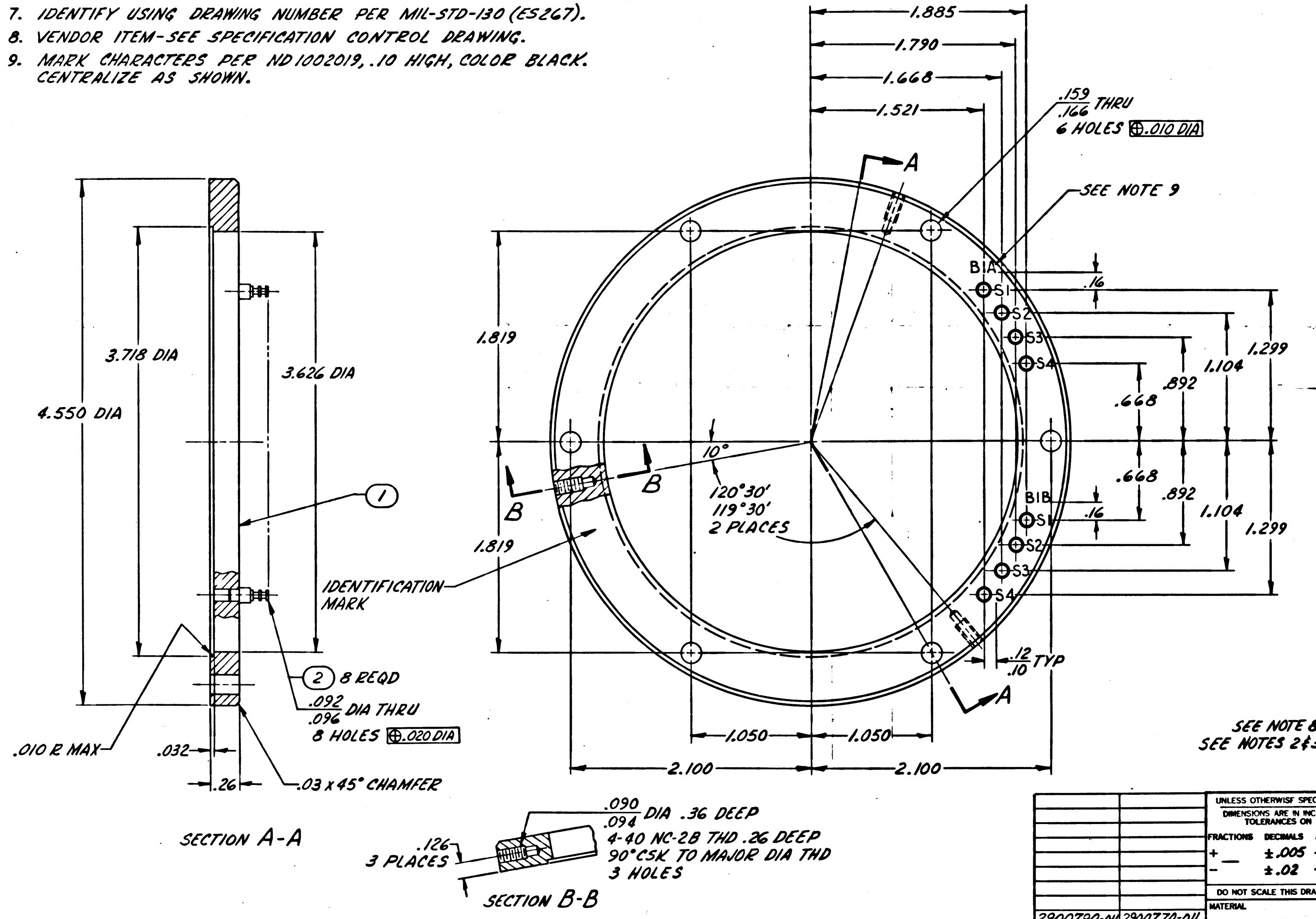
30 SEP 65

2900786	B

REVISIONS					23418
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR
B		REVISED PER TDRR 24127		29 NOV 65	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: QQ-A-200/8 TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   - A. SURFACE ROUGHNESS MUST NOT EXCEED 125/.
   - B. ALL CORNERS TO BE .010 R OR CHAMFER.
6. DIMENSIONS LOCATING THE TRUE POSITION ⊕ ARE BASIC.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. MARK CHARACTERS PER ND1002019, .10 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.



1.885
1.790
1.668
1.521
.159 .166 THRU 6 HOLES ⊕ .010 DIA
SEE NOTE 9
A
B1A
S1
S2
S3
S4
.16
1.299
1.104
.892
.668
1.819
3.718 DIA
3.626 DIA
4.550 DIA
10°
120°30' 119°30' 2 PLACES
B
B1B
①
IDENTIFICATION MARK
② 8 REQD
.092 .096 DIA THRU 8 HOLES ⊕ .020 DIA
.010 R MAX
.032
.26
.03 x 45° CHAMFER
.12 .10 TYP
1.050
2.100
SECTION A-A
.090 .094 DIA .36 DEEP
4-40 NC-2B THD .26 DEEP
90° CSK TO MAJOR DIA THD
3 HOLES
.126
3 PLACES
SECTION B-B

	~~3~~	~~2~~	~~MS171527~~	~~PIN, SPRING~~
SEE NOTE 8	2	8	1006689-1	TERMINAL, INSULATED
SEE NOTES 2&3	1	1	2900786-001	RETAINER, OUTER
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900790-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ 2°
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN C.M. Kulo DATE 17 SEP 65
CHECKED C. Pijda 30 SEP 65
APPROVAL 30 Sep 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RETAINER, OUTER
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900786
SCALE 2/1
SHEET 1 OF 1

H. Erickson 30 SEP 65

MIL 10770 A

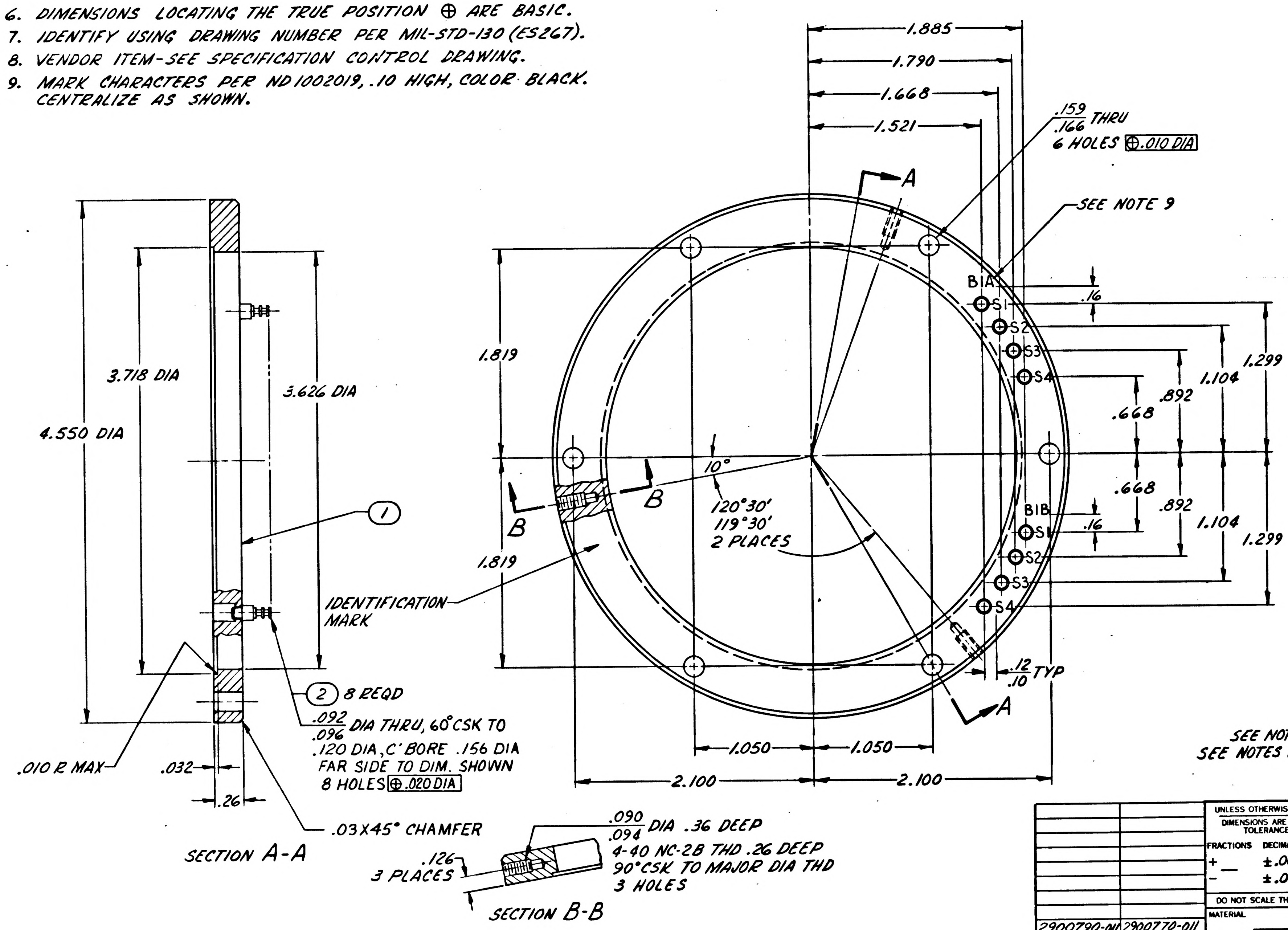
2900786 C

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: QQ-A-200/8 TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS.
5. UNLESS OTHERWISE SPECIFIED:
   A. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
   B. ALL CORNERS TO BE .010 R OR CHAMFER.
6. DIMENSIONS LOCATING THE TRUE POSITION ⊕ ARE BASIC.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
8. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
9. MARK CHARACTERS PER ND1002019, .10 HIGH, COLOR-BLACK. CENTRALIZE AS SHOWN.

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
Ⓡ A		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR
Ⓜ B		REVISED PER TDRR 24127		29 NOV 65	
C		REVISED PER TDRR 27004		15 MAR 66	DND



SECTION A-A
SECTION B-B
4.550 DIA
3.718 DIA
3.626 DIA
1
2 8 REQD
.092/.096 DIA THRU, 60° CSK TO .120 DIA, C' BORE .156 DIA FAR SIDE TO DIM. SHOWN 8 HOLES ⊕ .020 DIA
.010 R MAX
.032
.26
.03X45° CHAMFER
IDENTIFICATION MARK
1.885
1.790
1.668
1.521
.159/.166 THRU 6 HOLES ⊕ .010 DIA
SEE NOTE 9
B1A
B1B
S1
S2
S3
S4
.16
.668
.892
1.104
1.299
1.819
10°
120°30'
119°30'
2 PLACES
1.050
2.100
.12/.10 TYP
A
B
.090/.094 DIA .36 DEEP
4-40 NC-2B THD .26 DEEP
90° CSK TO MAJOR DIA THD
3 HOLES
.126
3 PLACES

LIST OF PARTS AND MATERIALS

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	~~3~~	~~2~~	~~MS171527~~	~~PIN, SPRING~~
SEE NOTE 8	2	8	1006689-1	TERMINAL, INSULATED
SEE NOTES 2&3	1	1	2900786-001	RETAINER, OUTER

NEXT ASSY	USED ON
2900790-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± —	±.005 ±.02	± 2°

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN C.M. Kulp DATE 17 SEP 65
CHECKED C. Pirjda 30 SEP 65
APPROVAL 30 SEP 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RETAINER, OUTER
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900786
SCALE 2/1
SHEET 1 OF 1

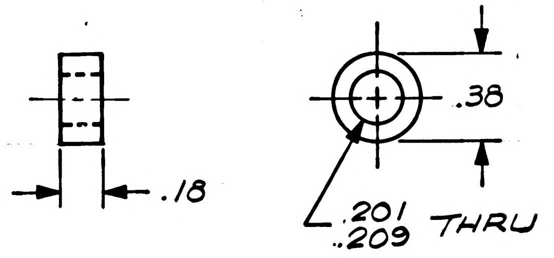
30 SEP 65

2900787 A

REVISIONS Z3418				
SYM	DESCRIPTION	CHG NO.	DATE	APPD.
A	INITIAL RELEASE CLASS A PER TDRR Z3418		19 OCT 65	JR JW

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/8, TEMPER T6 (ES2106 AL ALY 6061).
3. FINISH: MIL-C-5541 (ES591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



2900790-011 NEXT ASSY	2900770-011 USED ON	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ± .02 ANGLES ± — DO NOT SCALE THIS DRAWING	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN ACSP PN DRAWN C. Chalas DATE 17-SEP-65 CHECKED C. Piojda 30 SEP 65 APPROVAL A. Altenbach 30 SEP 65 APPROVAL 10-21-65	MANNED SPACECRAFT CENTER HOUSTON, TEXAS SPACER, SLEEVE
APPLICATION		MATERIAL SEE NOTE 2 CONTRACT NAS9-497	NASA APPROVAL MIT APPROVAL 21 Oct 65	CODE IDENT NO. 99974 SIZE B 2900787 SCALE 2:1 SHEET 1 OF 1

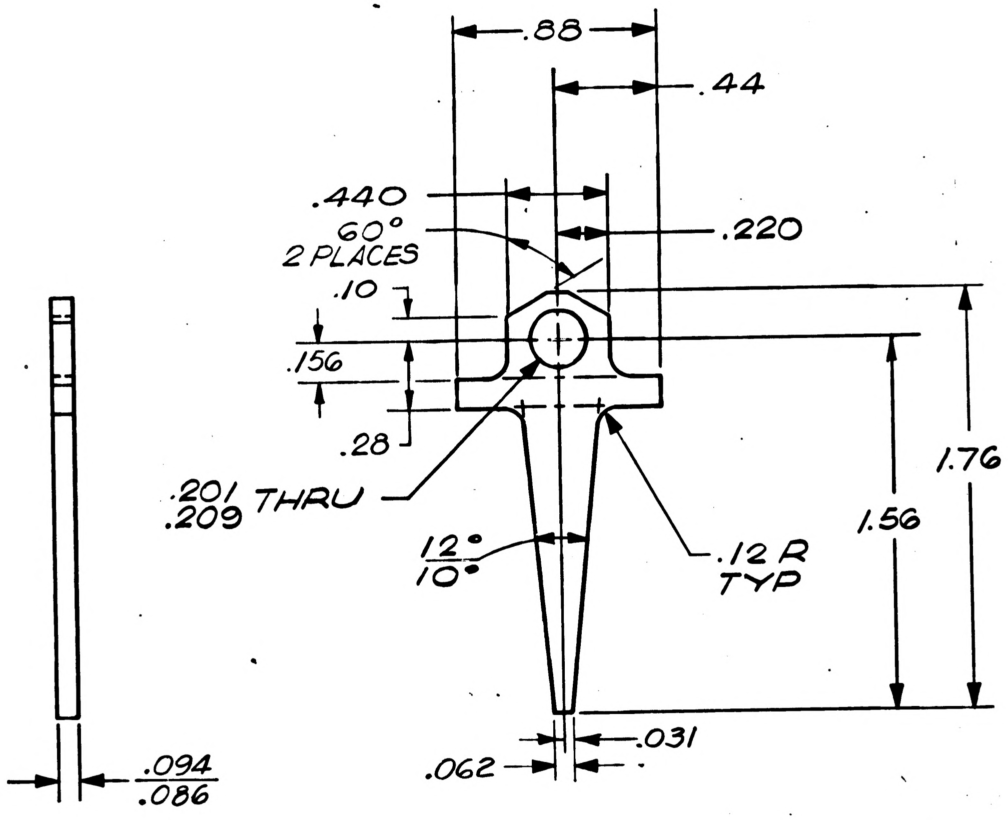
MIL 10778-D 11-16-64

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   QQ-A-250/8, TEMPER H-32 (ES2105 AL ALY 5052).
3. FINISH:
   MIL-C-5541 (ES591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. SURFACE ROUGHNESS MUST NOT EXCEED 125✓.

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR / CW



2900790-011	2900770-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ 2°
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS9-497

H. Erickson 30 SEP 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN C. Drahas DATE 15-SEP-65
CHECKED C. Pivida 30 SEP 65
APPROVAL A. Altenbach 30 SEP 65
APPROVAL [illegible] 10-21-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 21 Oct 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

STOP, RESOLVER ROTOR

CODE IDENT NO. 99974 SIZE C 2900788

SCALE 2:1 SHEET 1 OF 1

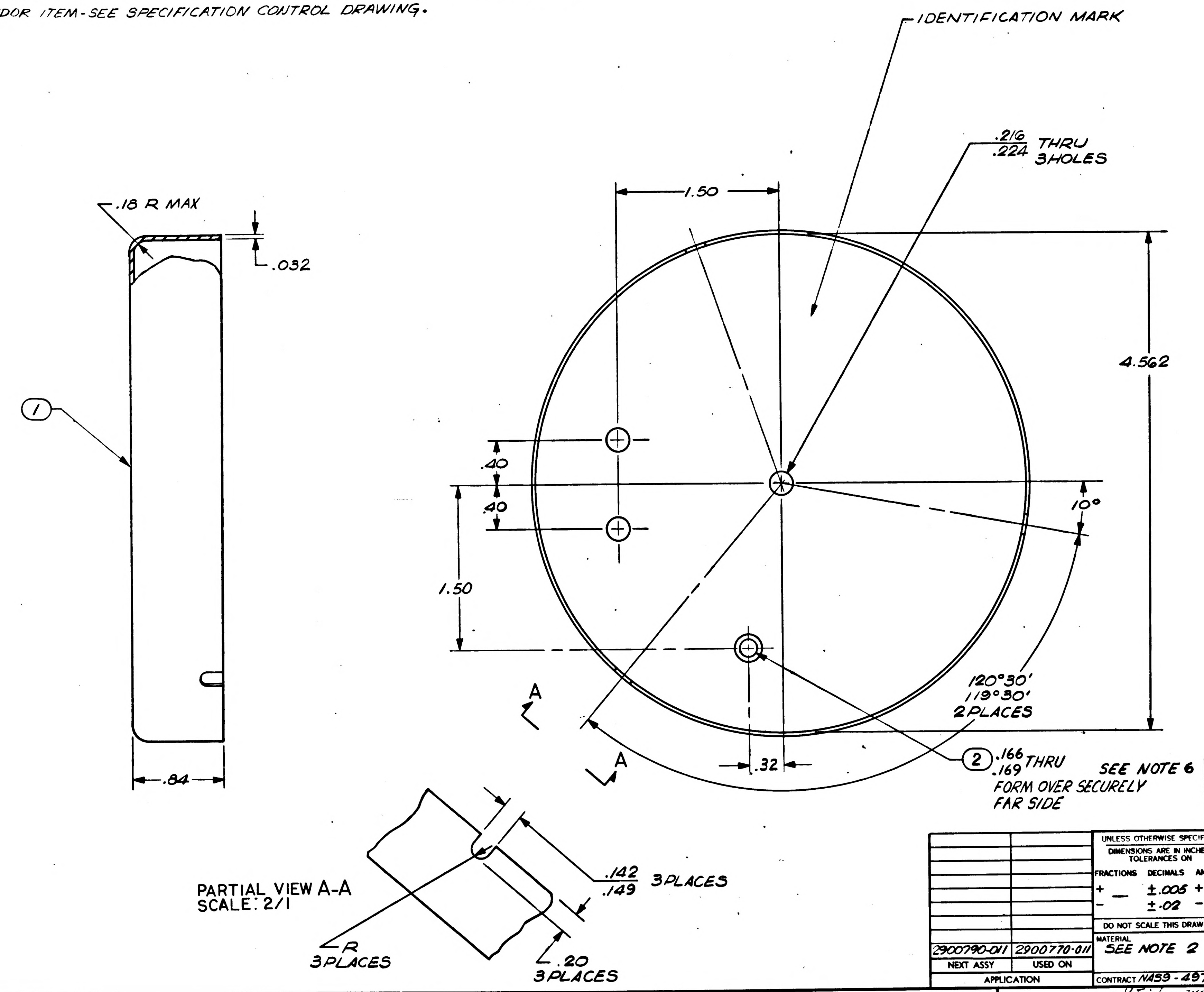
2900788 A

MIL 1077C—P

B | 2900789 | 2

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/2, TEMPER O (ES2103 AL ALY 3003).
3. FINISH: MIL-A-8625 TYPE I (ES385 ANODIZE).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.

REVISIONS 23418					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206014		18 OCT 65	JHP / WF
B		INITIAL RELEASE CLASS A PER TDRR 23418		19 OCT 65	JR / CW



IDENTIFICATION MARK
.216 .224 THRU 3HOLES
1.50
.18 R MAX
.032
4.562
①
.40
.40
10°
1.50
120°30' 119°30' 2PLACES
A
A
.84
.32
② .166 .169 THRU FORM OVER SECURELY FAR SIDE
SEE NOTE 6
.142 .149 3PLACES
R 3PLACES
.20 3PLACES

PARTIAL VIEW A-A
SCALE: 2/1

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	1	1016046	NUT, CLINCH
1	1	2900789-001	COVER, RESOLVER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900790-011	2900770-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.005 ±.02 ANGLES + 1° −
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS9-497

AC SPARK PLUG DIVISION. GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Doshal DATE 17-Sep-65
CHECKED C. Pizzola 30 Sep 65
APPROVAL A Altenbach 30 Sep 65
APPROVAL Wessman 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COVER, RESOLVER
INSEPARABLE ASSEMBLY

CODE IDENT NO. 99974
SIZE D
2900789
SCALE 2:1
SHEET 1 OF 1

G. Erickson 30 SEP 65

MIL 10770 A

REVISIONS 23418					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 23418		6 OCT 65	

NOTES:

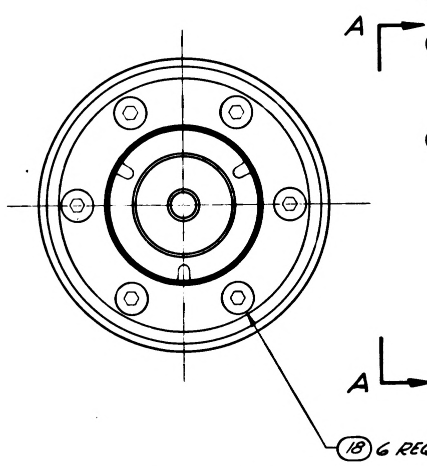
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (21) & (22) OR ITEM (23).
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. SCREW TORQUE REQUIREMENTS ±7%.

   ITEM (3) 100.0 IN LB

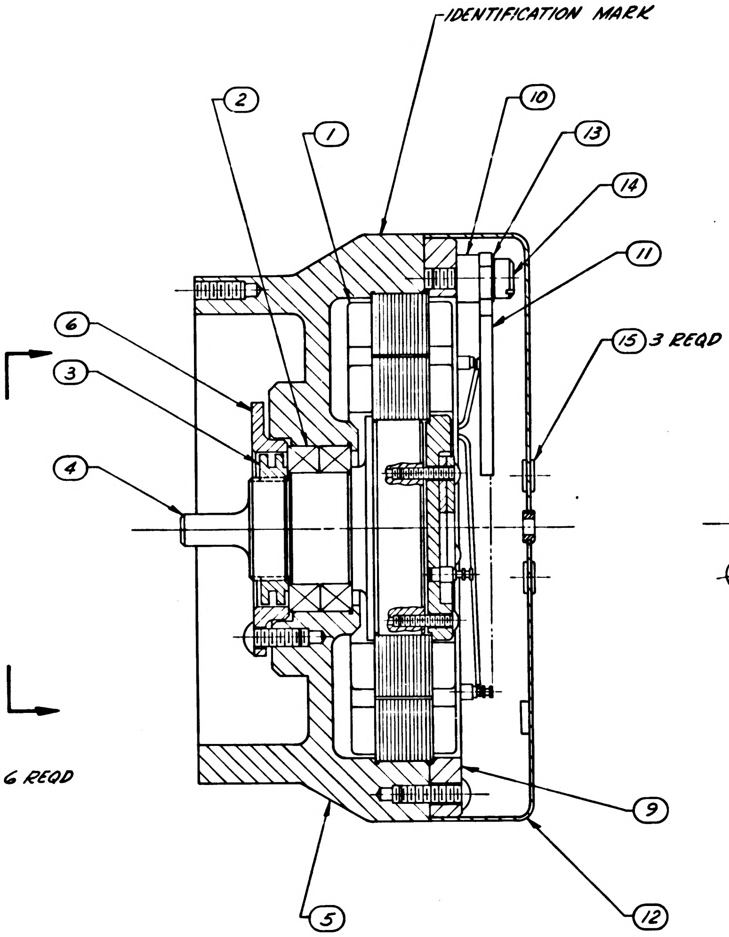
   ITEM (18) 10.0 IN LB
   ITEM (19) 5.0 IN LB
   ITEM (16) 3.5 IN LB
   } SCREWS TO BE TORQUED IN 2 IN LB INCREMENTS IN A TRIANGULAR SEQUENCE
5. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).

TABLE I

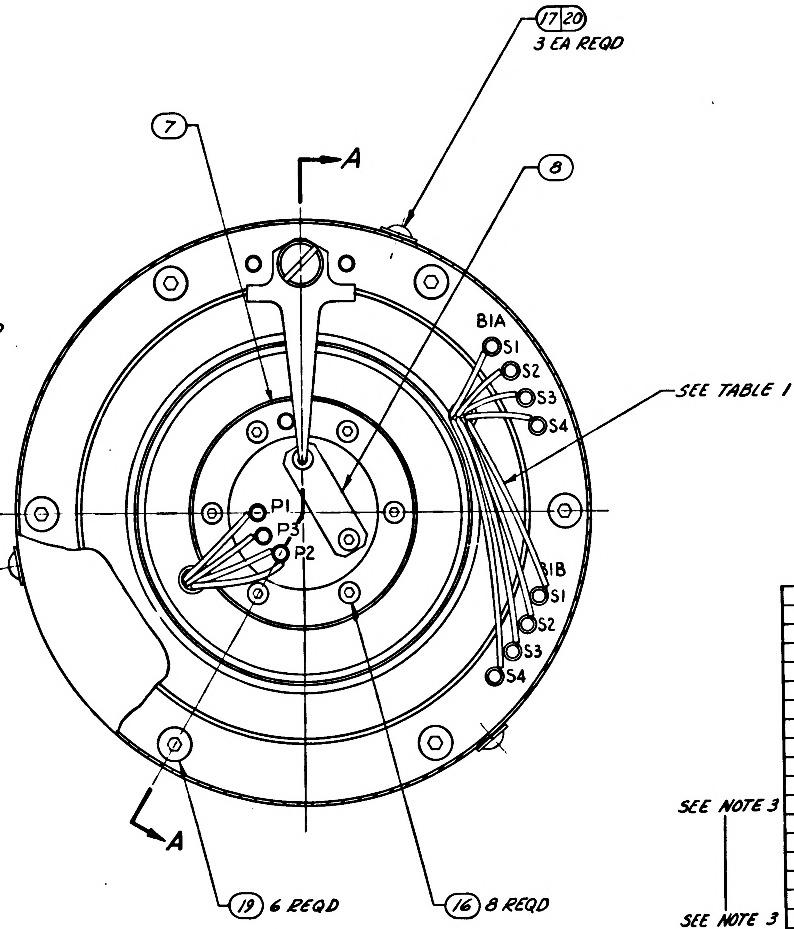
FROM		TO
PRIMARY	RED-WHT	P1
	YEL-WHT	P2
	BLK-WHT	P3
	BLU-WHT	P2
SECONDARY	RED	B1A-S1
	YEL	B1A-S2
	BLK	B1A-S3
	BLU	B1A-S4
	RED-WHT	B1B-S1
	YEL-WHT	B1B-S2
	BLK-WHT	B1B-S3
	BLU-WHT	B1B-S4



PARTIAL VIEW A-A



SECTION A-A



						30		
						29		
						28		
						27		
						26		
						25		
						24		
				AR		23	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		22	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		21	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				3		20	AN960C4 (1897006-024)	WASHER, FLAT
SEE NOTE 3				6		19	1010618-28	SCREW, BUTTON HD, SELF LKG
				6		18	-26	
				3		17	-13	
				8		16	1010618-5	SCREW, BUTTON HD, SELF LKG
				3		15	1897362	GROMMET, RUBBER
				1		14	1017429-9	SCREW, SHOULDER
SEE NOTE 3				1		13	1897361-001	WASHER, SPRING TENSION
				1		12	2900789	COVER, RESOLVER
				1		11	2900788	STOP, RESOLVER ROTOR
				1		10	2900787	SPACER, SLEEVE
				1		9	2900786	RETAINER, OUTER (INSEP ASSY)
				1		8	2900784	CLAMP, ELEC LEAD (INSEP ASSY)
				1		7	2900783	RETAINER, INNER (INSEP ASSY.
				1		6	2900782	RETAINER, BEARING
				1		5	2900781	HOUSING, BEARING AND RESOLVER
				1		4	2900780	SHAFT, BEARING AND RESOLVER
				1		3	1000086	NUT, BEARING RETAINER
SEE NOTE 3				1		2	1897368	BEARING, BALL DUPLEX
SEE NOTE 3				1		1	1897364	RESOLVER, MULTIPLE SPEED
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

2900770-011	2900708-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497
R. Erickson 30 SEP 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN C. M. Kuhn DATE 24 SEP 65
CHECKED C. Pigde 30 SEP 65
APPROVAL A. Altenbach 30 Sep 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RESOLVER ASSEMBLY,
MULTIPLE SPEED
(16 X AND 1X)

CODE IDENT NO. 99974
SIZE E
2900790
SCALE 2/1
SHEET 1 OF 1

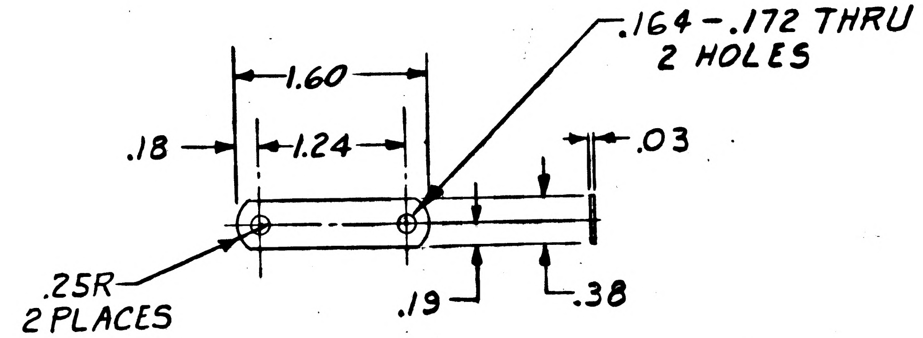
12900796 B

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-C-576 COPPER, HARD (ES 2118).
3. FINISH: QQ-N-290 CLASS-2 NICKEL PLATE, (ES 399 CLASS 2).
4. UNLESS OTHERWISE SPECIFIED:
   a. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).

REVISIONS

SYM	DESCRIPTION	CHG NO.	DATE	APPD.
A	REVISED PER MXC 205452		1 OCT 65	JWP EF
B	INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	JR



2900060-011	2900060-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + − DECIMALS ±.02 ANGLES + − DO NOT SCALE THIS DRAWING	AC SPARK PLUG DIVISION, GMC MILWAUKEE, WISCONSIN ACSP PN DRAWN DATE 10 SEP 65 CHECKED D. L. 11 SEP 65 APPROVAL D. 13 SEP 65 APPROVAL 10/20/65	MANNED SPACECRAFT CENTER HOUSTON, TEXAS LINK, BATTERY TERMINAL
NEXT ASSY	USED ON	MATERIAL AS NOTED	NASA APPROVAL A. C. METZGER	CODE IDENT NO. 99974 · SIZE B · 2900796
APPLICATION		CONTRACT NAS 9-497	MIT APPROVAL 16 Nov 65	SCALE 1:1 · SHEET 1 OF 1

17 SEP 65

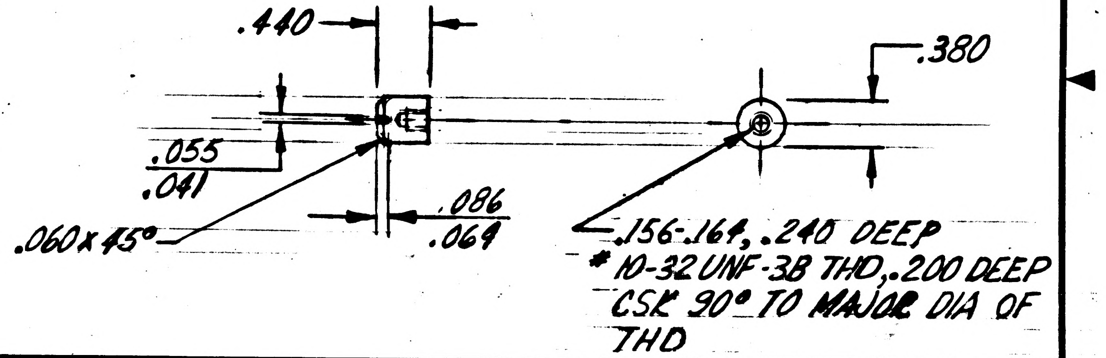
MIL 10778-D 11-16-64

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. FINISH: MIL-F-14072 (S16 C) FINISH E-300 (ES 585 PASSIVATE)
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. SURFACE ROUGHNESS MUST NOT EXCEED 125√.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD 130 (ES 267).

REVISIONS

SYM	DESCRIPTION	CHG NO.	DATE	APPD.
A	INITIAL RELEASE CLASS A PER TDRR 24042		10-18-65	MRC CW



2900835-011	2900060-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − — —
DECIMALS ± .005
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL QQ-S-763, CLASS 303 COND A, CF SST (ES 380-1)
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 11 SEP 65
CHECKED 11 SEP 65
APPROVAL 13 SEP 65
APPROVAL 10/20/65
A. C. METZGER
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

NUT - CAP

CODE IDENT NO. 99974
SIZE B
2900797
SCALE 1:1
SHEET 1 OF 1

13 SEP 65

MIL 10778-B 11-16-64

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011	A	INITIAL RELEASE CLASS A PER TDRR 23418.	19 OCT 65	JR

REV STATUS OF SHEETS						
REV	A	A	A	A	A	A
SHEET	1	2	3	4	5	6

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN S. Agne DATE 14 SEP 65
CHECKED C. Piojda 23 SEP 65
APPROVAL J. Metton 24 SEP 65
APPROVAL J. M. Watson 10-21-65

NASA APPROVAL
MIT APPROVAL 21 Oct 65

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET AA,
ELECTRICAL

CODE IDENT NO.	SIZE		REV
99974	A	2900798	A

SCALE —

SHEET 1 OF 6

LEAD SET AA 2900798 A

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 4 OR ITEMS 5 AND 6.
6	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
7	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
8	ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900798
SCALE-NONE REV LTR A SHEET 2 OF 6

MIL 2004 4-63

LEAD SET AA 2900798 A

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900798-001	WIRE, ND1002181 TYPE 1, CLASS 1, 22AWG, WHT, 96 IN. TOTAL LENGTH
3	2	33	1015864-110	INSULATION SLEEVING
3	3	5	1015864-105	INSULATION SLEEVING
	4	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900798
SCALE-NONE REV LTR A SHEET 3 OF 6

MIL 2004 4-63

LEAD SET AA 2900798 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 1	1	3.00	DS1-G					.25	YES		2	
			S1SW2-NO					.25	YES		2	
AA 2		3.00	DS1-A					.25	YES		2	
			S1SW1-NO					.25	YES		2	
AA 3		3.00	DS1-A					.25	YES			
			DS1-C					.25	YES		2	
AA 4		3.00	K3-7					.25	YES			
			K3-1					.25	YES		2	
AA 5		3.00	K4-7					.25	YES			
			K4-1					.25	YES		2	
AA 6		3.00	XDS4-A					.25	YES			
			XDS4-B					.25	YES			
AA 7		3.00	XDS5-B					.25	YES			
			XDS5-A					.25	YES		2	
AA 8		3.00	XDS6-A					.25	YES			
			XDS6-B					.25	YES		2	
AA 9		3.00	XDS7-A					.25	YES			
			XDS7-B					.25	YES		2	
AA 10		3.00	XDS8-A					.25	YES			
			XDS8-B					.25	YES		2	
AA 11		3.00	K22-1					.25	YES		2	
			K22-16					.25	YES			
AA 12		3.00	XDS2-B					.25	YES		2	
			XDS2-A					.25	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900798
SCALE-NONE REV LTR A SHEET 4 OF 6

MIL 2004 4-63

LEAD SET AA 2900798 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13		3.00	XDS2-D					.25	YES		2	
			XDS2-C					.25	YES			
AA 14		3.00	XDS3-B					.25	YES		2	
			XDS3-A					.25	YES			
AA 15		3.00	XDS3-D					.25	YES		2	
			XDS3-C					.25	YES			
AA 16		3.00	S4SW2-NC					.25	YES			
			XDS4-G					.25	YES		2	
AA 17		3.00	XDS4-C					.25	YES		2	
			XDS4-D					.25	YES			
AA 18		3.00	K7-3					.25	YES		2	
			K7-5					.25	YES			
AA 19		3.00	XDS5-G					.25	YES		2	
			S5SW2-NC					.25	YES		2	
AA 20		3.00	K9-18					.25	YES		3	
			K9-1					.25	YES			
AA 21		3.00	K10-5					.25	YES		2	
			K10-3					.25	YES		2	
AA 22		3.00	XDS5-D					.25	YES		2	
			XDS5-C					.25	YES		2	
AA 23		3.00	K12-18					.25	YES		3	
			K12-1					.25	YES			
AA 24		3.00	K13-3					.25	YES		2	
			K13-5					.25	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900798
SCALE-NONE REV LTR A SHEET 5 OF 6

MIL 2004 4-63

LEAD SET AA 2900798 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25		3.00	XDS7-G					.25	YES		2	
			S7SW2-NC					.25	YES		2	
AA 26		3.00	K15-1					.25	YES		3	
			K15-18					.25	YES		3	
AA 27		3.00	K16-5					.25	YES		2	
			K16-3					.25	YES		2	
AA 28		3.00	XDS7-D					.25	YES			
			XDS7-C					.25	YES		2	
AA 29		3.00	TB1-25					.25	YES			
			TB1-27					.25	YES			
AA 30		3.00	K18-18					.25	YES		3	
			K18-1					.25	YES			
AA 31		3.00	K19-5					.25	YES			
			K19-3					.25	YES		2	
AA 32		3.00	XDS8-D					.25	YES			
			XDS8-C					.25	YES		2	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900798
SCALE - NONE	REV LTR A	SHEET 6 OF 6

MIL 2064 4-63

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011 (M)	A	INITIAL RELEASE CLASS A PER TDRR 23418	19 OCT 65	JR
		B	REVISED PER TDRR 24850	1 JAN 66	JIMP

REV STATUS OF SHEETS								
REV			B	B	B	B	B	B
SHEET			1	2	3	4	5	6

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN S. Agne DATE 14 SEP 65
CHECKED C. Piojda 23 SEP 65
APPROVAL J. Melton 24 SEP 65
APPROVAL J. M. Watson 10-21-65

NASA APPROVAL
MIT APPROVAL 21 Oct 65

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET AA, ELECTRICAL

CODE IDENT NO.	SIZE		REV
99974	A	2900798	B

SCALE —

SHEET 1 OF 6

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 4 OR ITEMS 5 AND 6.
6	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
7	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
8	ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900798
SCALE-NONE	REV LTR B	SHEET 2 OF 6

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900798-001	WIRE, ND1002181 TYPE 1, CLASS 1, 22AWG, WHT, 96 IN. TOTAL LENGTH
3	2	33	1015864-110	INSULATION SLEEVING
3	3	5	1015864-105	INSULATION SLEEVING
	4	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)
	5	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	6	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
	7	1	2900798-002	WIRE, QQ-W-343, TYPE S, COATED, 24 AWG, BUS (ES110-1)

SIZE	CODE IDENT NO.	
A	99974	2900798
SCALE-NONE	REV LTR B	SHEET 3 OF 6

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	1	1	3.00	XDS1-G					.25	YES		2	
				S1SW2-NO					.25	YES		2	
AA	2	1	3.00	XDS1-A					.25	YES		2	
				S1SW1-NO					.25	YES		2	
AA	3	1	3.00	XDS1-A					.25	YES			
				XDS1-C					.25	YES		2	
AA	4	1	3.00	K3-7					.25	YES			
				K3-1					.25	YES		2	
AA	5	1	3.00	K4-7					.25	YES			
				K4-1					.25	YES		2	
AA	6	1	3.00	XDS4-A					.25	YES			
				XDS4-B					.25	YES			
AA	7	1	3.00	XDS5-B					.25	YES			
				XDS5-A					.25	YES		2	
AA	8	1	3.00	XDS6-A					.25	YES			
				XDS6-B					.25	YES		2	
AA	9	1	3.00	XDS7-A					.25	YES			
				XDS7-B					.25	YES		2	
AA	10	1	3.00	XDS8-A					.25	YES			
				XDS8-B					.25	YES		2	
AA	11	1	3.00	K22-1					.25	YES		2	
				K22-16					.25	YES			
AA	12	1	3.00	XDS2-B					.25	YES		2	
				XDS2-A					.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900798
SCALE-NONE	REV LTR B	SHEET 4 OF 6

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA	13	1	3.00	XDS2-D					.25	YES		2	
				XDS2-C					.25	YES			
AA	14	1	3.00	XDS3-B					.25	YES		2	
				XDS3-A					.25	YES			
AA	15	1	3.00	XDS3-D					.25	YES		2	
				XDS3-C					.25	YES			
AA	16	1	3.00	S4SW2-NC					.25	YES			
				XDS4-G					.25	YES		2	
AA	17	1	3.00	XDS4-C					.25	YES		2	
				XDS4-D					.25	YES			
AA	18	1	3.00	K7-3					.25	YES		2	
				K7-5					.25	YES			
AA	19	1	3.00	XDS5-G					.25	YES		2	
				S5SW2-NC					.25	YES		2	
AA	20	1	3.00	K9-18					.25	YES		3	
				K9-1					.25	YES			
AA	21	1	3.00	K10-5					.25	YES		2	
				K10-3					.25	YES		2	
AA	22	1	3.00	XDS5-D					.25	YES		2	
				XDS5-C					.25	YES		2	
AA	23	1	3.00	K12-18					.25	YES		3	
				K12-1					.25	YES			
AA	24	1	3.00	K13-3					.25	YES		2	
				K13-5					.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900798
SCALE-NONE	REV LTR B	SHEET 5 OF 6

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	1	3.00	XDS7-G					.25	YES		2	
			S7SW2-NC					.25	YES		2	
AA 26	1	3.00	K15-1					.25	YES		3	
			K15-18					.25	YES		3	
AA 27	1	3.00	K16-5					.25	YES		2	
			K16-3					.25	YES		2	
AA 28	1	3.00	XDS7-D					.25	YES			
			XDS7-C					.25	YES		2	
AA 29	7	3.00	TB1-25					.25	YES			
			TB1-27					.25	YES			
AA 30	1	3.00	K18-18					.25	YES		3	
			K18-1					.25	YES			
AA 31	1	3.00	K19-5					.25	YES			
			K19-3					.25	YES		2	
AA 32	1	3.00	XDS8-D					.25	YES			
			XDS8-C					.25	YES		2	
AA 33	1	4.00	XDS6-G					.25	YES		2	
			S6SW2-NC					.25	YES			
AA 34	1	3.00	XDS6-C					.25	YES			
			XDS6-D					.25	YES		2	
AA 35	1	4.00	XDS8-G					.25	YES		2	
			S8SW2-NC					.25	YES			
AA 36	1	4.00	XDS2-G					.25	YES		2	
			S2SW1-NC					.25	YES			

SIZE	CODE IDENT NO.		
A	99974	2900798	
SCALE-NONE	REV LTR	B	SHEET 6 OF 6

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011	A	REVISED PER MXC 205910	15 OCT 65	
		B	INITIAL RELEASE CLASS A PFR TDRR 23418	19 OCT 65	JR

REV		B	B	B	B	B	B	B	B												
SHEET		21	22	23	24	25	26	27	28												
REV STATUS	REV				B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN S. Agne DATE 15 SEP 65
CHECKED C. Pijda 23 SEP 65
APPROVAL J. Mettes 23 Sep 65
APPROVAL J. M. Watson 10-21-65

NASA APPROVAL
MIT APPROVAL

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE A
2900799
REV B

CONTRACT NAS 9-497
SCALE —
SHEET 1 OF 28

NOTE NUMBER — GENERAL NOTES DESCRIPTION

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002019.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8 OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002032

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE-NONE	REV LTR B	SHEET 2 OF 28

NOTE NUMBER	GENERAL NOTES DESCRIPTION
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - L - BLUE, WHITE WITH LETTER L, OR WHITE WITH BLUE TRACER R - RED, WHITE WITH LETTER R OR WHITE WITH RED TRACER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE-NONE	REV LTR B	SHEET 3 OF 28

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002181 TYPE II, CLASS 5, 22AWG, WHT JKT WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	201	1015864-105	INSULATION SLEEVING
7	4	116	1015864-110	INSULATION SLEEVING
	5	1	MS354311	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MIL-T-713	LACING TAPE,TYPE P CLASS 2,BLACK,(ES2732 NO.18)
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	8	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

CODE IDENT NO. 99974	SIZE A	2900799
SCALE-NONE	REV LTR B	SHEET 4 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2	J1-HH XF1-1					.22 .25	NO YES		 3	
A	2	2	J1-GG S1SW2-C					.22 .25	NO YES		 4	
A	3	2	S1SW1-C XF2-2					.25 .25	YES YES		4 3	
A	4	2	J1-FF S1SW3-C					.22 .25	NO YES		 4	
A	5	2	J1-EE XF2-1					.22 .25	NO YES		 3	
A	6	2	S1SW4-C XF2-2					.25 .25	YES YES		4 3	
A	7	2	J1-DD S1SW4-NO					.22 .25	NO YES		 4	
A	8	2	J1-CC S1SW3-NO					.22 .25	NO YES		 4	
A	9	2	S1SW4-NO J3-A					.25 .22	YES NO			
A	10	2	S1SW3-NO J3-B					.25 .22	YES NO			
A	11	2	K1-1 K2-1					.25 .25	YES YES		3 3	
A	12	2	K1-2 K2-2					.25 .25	YES YES		3 3	

CODE IDENT NO. 99974	SIZE A	2900799
SCALE-NONE	REV LTR B	SHEET 5 OF 28

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7					.25	YES		4	
			K2-1					.25	YES			
A 14	2		TB1-3					.25	YES			
			K3-1					.25	YES			
A 15	2		TB1-3					.25	YES			
			S2SW1-NC					.25	YES		4	
A 16	2		K3-4					.25	YES		4	
			K4-7					.25	YES		4	
A 17	2		S2SW1-C					.25	YES		4	
			K4-1					.25	YES			
A 18	2		S2SW2-NO					.25	YES		4	
			K4-5					.25	YES		4	
A 19	2		S1SW1-NO					.25	YES			
			S2SW1-NO					.25	YES		4	
A 20	2		S3SW1-C					.25	YES		4	
			S2SW1-NO					.25	YES			
A 21	2		S3SW1-C					.25	YES			
			S4SW2-NO					.25	YES		4	
A 22	2		S5SW2-NO					.25	YES		4	
			S4SW2-NO					.25	YES			
A 23	2		S5SW2-NO					.25	YES			
			S6SW2-NO					.25	YES		4	
A 24	2		S7SW2-NO					.25	YES		4	
			S6SW2-NO					.25	YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR ♦ B | SHEET 6 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO					.25	YES			
			S8SW2-NO					.25	YES		4	
A 26	2		K4-4					.25	YES		4	
			S8SW2-NO					.25	YES			
A 27	2		K4-4					.25	YES			
			K3-8					.25	YES		4	
A 28	2		K7-4					.25	YES		4	
			K3-8					.25	YES			
A 29	2		K7-4					.25	YES			
			K10-4					.25	YES		4	
A 30	2		K13-4					.25	YES		4	
			K10-4					.25	YES			
A 31	2		K13-4					.25	YES			
			K16-4					.25	YES		4	
A 32	2		K19-4					.25	YES		4	
			K16-4					.25	YES			
A 33	2		K19-4					.25	YES			
			K1-8					.25	YES		3	
A 34	2		K2-19					.25	YES		3	
			K1-8					.25	YES			
A 35	2		S1SW2-NO					.25	YES			
			S4SW1-C					.25	YES		4	
A 36	2		TB1-2					.25	YES			
			S4SW1-C					.25	YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR ♦ B | SHEET 7 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2					.25	YES			
			TB1-4					.25	YES			
A 38	2		K20-5					.25	YES		4	
			TB1-4					.25	YES			
A 39	2		K20-5					.25	YES			
			K21-5					.25	YES		4	
A 40	2		K22-2					.25	YES		4	
			K21-5					.25	YES			
A 41	2		K22-2					.25	YES			
			K5-2					.25	YES		3	
A 42	2		K6-2					.25	YES		3	
			K5-2					.25	YES			
A 43	2		K6-2					.25	YES			
			K8-2					.25	YES		3	
A 44	2		K9-2					.25	YES		3	
			K8-2					.25	YES			
A 45	2		K9-2					.25	YES			
			K11-2					.25	YES		3	
A 46	2		K12-2					.25	YES		3	
			K11-2					.25	YES			
A 47	2		K12-2					.25	YES			
			K14-2					.25	YES		3	
A 48	2		K15-2					.25	YES		3	
			K14-2					.25	YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR ♦ B | SHEET 8 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2					.25	YES			
			K17-2					.25	YES		3	
A 50	2		K18-2					.25	YES		3	
			K17-2					.25	YES			
A 51	2		K18-2					.25	YES			
			XDS2-G					.25	YES		4	
A 52	2		XDS3-G					.25	YES		4	
			XDS2-G					.25	YES			
A 53	2		XDS3-G					.25	YES			
			XDS4-A					.25	YES		4	
A 54	2		XDS5-B					.25	YES		4	
			XDS4-B					.25	YES		4	
A 55	2		XDS6-A					.25	YES		4	
			XDS5-A					.25	YES			
A 56	2		XDS7-A					.25	YES		4	
			XDS6-B					.25	YES			
A 57	2		XDS8-A					.25	YES		4	
			XDS7-B					.25	YES			
A 58	2		K2-19					.25	YES			
			K7-4					.25	YES		4	
A 59	2		K3-3					.25	YES		4	
			S2SW2-C					.25	YES		4	
A 60	2		K3-3					.25	YES			
			K5-4					.25	YES		3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR ♦ B | SHEET 9 OF 28

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WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4					.25	YES		3	
			K5-4					.25	YES			
A 62	2		K8-4					.25	YES			
			K11-4					.25	YES		3	
A 63	2		K14-4					.25	YES		3	
			K11-4					.25	YES			
A 64	2		K14-4					.25	YES			
			K17-4					.25	YES		3	
A 65	2		K3-5					.25	YES		4	
			TB1-4					.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C					.22	NO			
			K2-9					.25	YES		3	
A 66R			J3-D					.22	NO			
			K2-6					.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E					.22	NO			
			K2-15					.25	YES		3	
A 67R			J3-F					.22	NO			
			K2-12					.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

CODE IDENT NO. 99974 | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 10 OF 28

MIL 2074 3-63 WIR

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G					.22	NO			
			K1-15					.25	YES		3	
A 68R			J3-H					.22	NO			
			K1-18					.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J					.22	NO			
			K1-9					.25	YES		3	
A 69R			J3-K					.22	NO			
			K1-12					.25	YES		3	
A 70	2		K1-2					.25	YES			
			K5-7					.25	YES		3	
A 71	2		S3SW1-NC					.25	YES		4	
			K22-19					.25	YES		4	
A 72	2		S3SW1-NO					.25	YES		4	
			K22-16					.25	YES		4	
A 73	2		K1-19					.25	YES		3	
			K22-5					.25	YES		4	
A 74	2		K1-16					.25	YES		3	
			K22-8					.25	YES		4	
A 75	2		K1-13					.25	YES		3	
			K22-11					.25	YES		4	
A 76	2		K1-10					.25	YES		3	
			K22-14					.25	YES		4	

CODE IDENT NO. 99974 | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 11 OF 28

MIL 2074 3-63 WIR

WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-19					.25	YES			
			K5-19					.25	YES		3	
A 78	2		K1-16					.25	YES			
			K5-16					.25	YES		3	
A 79	2		K1-13					.25	YES			
			K5-13					.25	YES		3	
A 80	2		K1-10					.25	YES			
			K5-10					.25	YES		3	
A 81	2		K2-16					.25	YES		3	
			K22-12					.25	YES		4	
A 82	2		K2-13					.25	YES		3	
			K22-9					.25	YES		4	
A 83	2		K2-10					.25	YES		3	
			K22-6					.25	YES		4	
A 84	2		K2-7					.25	YES		3	
			K22-3					.25	YES		4	
A 85	2		K2-16					.25	YES			
			K6-16					.25	YES		3	
A 86	2		K2-13					.25	YES			
			K6-13					.25	YES		3	
A 87	2		K2-10					.25	YES			
			K6-10					.25	YES		3	
A 88	2		K2-7					.25	YES			
			K6-7					.25	YES		3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 12 OF 28

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WIRING HARNESS A 2900799 B ♦

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K2-20					.25	YES		3	
			XDS2-A					.25	YES		4	
A 90	2		K2-18					.25	YES		3	
			XDS2-C					.25	YES		4	
A 91	2		K22-20					.25	YES		4	
			XDS3-A					.25	YES		4	
A 92	2		K22-15					.25	YES		4	
			XDS3-C					.25	YES		4	
A 93	2		K22-4					.25	YES		4	
			J1-BB					.22	NO			
A 94	2		K22-7					.25	YES		4	
			J1-AA					.22	NO			
A 95	2		K22-10					.25	YES		4	
			J1-Z•					.22	NO			
A 96	2		K22-13					.25	YES		4	
			J1-Y•					.22	NO			
A 97	2		K5-1					.25	YES		3	
			K6-1					.25	YES		3	
A 98	2		S4SW2-NC					.25	YES		4	
			K6-1					.25	YES			
A 99	2		K1-7					.25	YES		3	
			K20-8					.25	YES		4	
A 100	2		K21-8					.25	YES		4	
			K20-8					.25	YES			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 13 OF 28

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WIRING HARNESS A 2900799 B •

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 101	2		K5-3 J1-X•					.25 .22	YES NO		3	
A 102	2		K5-6 J1-W•					.25 .22	YES NO		3 4	
A 103	2		K5-6 XDS4-D					.25 .25	YES YES		 4	
A 104	2		K5-8 K8-7					.25 .25	YES YES		3 3	
A 105	2		J1-V• K5-9					.22 .25	NO YES		 3	
A 106	2		K5-11 K8-10					.25 .25	YES YES		3 3	
A 107	2		K5-12 J1-U•					.25 .22	YES NO		3	
A 108	2		K5-14 K8-13					.25 .25	YES YES		3 3	
A 109	2		K5-15 J1-S•					.25 .22	YES NO		3	
A 110	2		K5-17 K8-16					.25 .25	YES YES		3 3	
A 111	2		K5-18 J1-R•					.25 .22	YES NO		3	
A 112	2		K5-20 K8-19					.25 .25	YES YES		3 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR • B	SHEET 14 OF 28

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WIRING HARNESS A 2900799 B •

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	2		TB1-8 K7-5					.25 .25	YES YES		 4	
A 114	2		TB1-7 S4SW1-NO					.25 .25	YES YES		 4	
A 115	2		TB1-7 K6-4					.25 .25	YES YES		 3	
A 116	2		K7-1 K6-3					.25 .25	YES YES		4 3	
A 117	2		TB1-6 K6-3					.25 .25	YES YES			
A 118	2		TB1-5 K7-7					.25 .25	YES YES		 4	
A 119	2		TB1-5 S4SW2-C					.25 .25	YES YES		 4	
A 120	2		K6-19 K7-7					.25 .25	YES YES		3	
A 121	2		S4SW1-NC S5SW1-C					.25 .25	YES YES		4 4	
A 122	2		K7-8 K10-2					.25 .25	YES YES		4 4	
A 123	2		K6-6 J1-P*					.25 .22	YES NO		3	
A 124	2		K6-8 K9-7					.25 .25	YES YES		3 3	

CODE IDENT NO. 99974	SIZE A	2900799
SCALE - NONE	REV LTR • B	SHEET 15 OF 28

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WIRING HARNESS A 2900799 B •

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 125	2		K6-9 J1-N•					.25 .22	YES NO		3	
A 126	2		K6-11 K9-10					.25 .25	YES YES		3 3	
A 127	2		K6-12 J1-K•					.25 .22	YES NO		3	
A 128	2		K6-14 K9-13					.25 .25	YES YES		3 3	
A 129	2		K6-15 J1-J•					.25 .22	YES NO		3	
A 130	2		K6-17 K9-16					.25 .25	YES YES		3 3	
A 131	2		K8-1 S5SW2-NC					.25 .25	YES YES		3	
A 132	2		K8-1 K9-1					.25 .25	YES YES		 3	
A 133	2		K9-3 K10-1					.25 .25	YES YES		3 4	
A 134	2		TB1-10 K10-1					.25 .25	YES YES			
A 135	2		K10-5 TB1-12					.25 .25	YES YES			
A 136	2		TB1-9 K10-7					.25 .25	YES YES		 4	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR • B	SHEET 16 OF 28

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WIRING HARNESS A 2900799 B •

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 137	2		TB1-9 S5SW2-C					.25 .25	YES YES			
A 138	2		K10-7 K9-19					.25 .25	YES YES		 3	
A 139	2		TB1-11 S5SW1-NO					.25 .25	YES YES		 4	
A 140	2		TB1-11 K9-4					.25 .25	YES YES		 3	
A 141	2		S6SW1-C S5SW1-NC					.25 .25	YES YES		4 4	
A 142	2		K10-8 K13-2					.25 .25	YES YES		4 4	
A 143	2		K8-6 J1-G•					.25 .22	YES NO		3	
A 144	2		XDS5-D K8-6					.25 .25	YES YES			
A 145	2		K8-3 J1-H•					.25 .22	YES NO		3	
A 146	2		K8-8 K11-7					.25 .25	YES YES		3 3	
A 147	2		K8-9 J1-F•					.25 .22	YES NO		3	
A 148	2		K8-11 K11-10					.25 .25	YES YES		3 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR • B	SHEET 17 OF 28

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WIRING HARNESS A 2900799 B 4

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 149	2		K8-12 J1-E•					.25 .22	YES NO		3	
A 150	2		K8-14 K11-13					.25 .25	YES YES		3 3	
A 151	2		K8-15 J1-C•					.25 .22	YES NO		3	
A 152	2		K8-17 K11-16					.25 .25	YES YES		3 3	
A 153	2		K8-18 J1-B•					.25 .22	YES NO		3	
A 154	2		K8-20 K11-19					.25 .25	YES YES		3 3	
A 155	2		K9-6 J1-Z					.25 .22	YES NO		3	
A 156	2		K9-8 K12-7					.25 .25	YES YES		3 3	
A 157	2		K9-9 J1-Y					.25 .22	YES NO		3	
A 158	2		K9-11 K12-10					.25 .25	YES YES		3 3	
A 159	2		K9-12 J1-W					.25 .22	YES NO		3	
A 160	2		K9-15 J1-V					.25 .22	YES NO		3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR B	SHEET 18 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B 4

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 161	2		K9-14 K12-13					.25 .25	YES YES		3 3	
A 162	2		K9-17 K12-16					.25 .25	YES YES		3 3	
A 163	2		XDS6-G S6SW2-NC					.25 .25	YES YES		4 4	
A 164	2		K11-1 S6SW2-NC					.25 .25	YES YES		3	
A 165	2		K11-1 K12-1					.25 .25	YES YES		 3	
A 166	2		XDS6-C XDS6-D					.25 .25	YES YES		4 4	
A 167	2		XDS6-C K11-6					.25 .25	YES YES		 3	
A 168	2		J2-GG K11-6					.22 .25	NO YES			
A 169	2		J2-HH K11-3					.22 .25	NO YES		 3	
A 170	2		K11-8 K14-7					.25 .25	YES YES		3 3	
A 171	2		K11-11 K14-10					.25 .25	YES YES		3 3	
A 172	2		K11-14 K14-13					.25 .25	YES YES		3 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR B	SHEET 19 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B 4

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 173	2		K11-17 K14-16					.25 .25	YES YES		3 3	
A 174	2		K11-20 K14-19					.25 .25	YES YES		3 3	
A 175	2		K11-9 J2-FF					.25 .22	YES NO		3	
A 176	2		K11-12 J2-EE					.25 .22	YES NO		3	
A 177	2		K11-15 J2-CC					.25 .22	YES NO		3	
A 178	2		K11-18 J2-BB					.25 .22	YES NO		3	
A 179	2		TB1-16 K13-5					.25 .25	YES YES		 4	
A 180	2		K13-1 K12-3					.25 .25	YES YES		4 3	
A 181	2		K13-1 TB1-13					.25 .25	YES YES			
A 182	2		K13-7 TB1-14					.25 .25	YES YES			
A 183	2		S6SW2-C TB1-14					.25 .25	YES YES		4	
A 184	2		S6SW2-C K12-19					.25 .25	YES YES		 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR B	SHEET 20 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B 4

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 185	2		S6SW1-NO TB1-15					.25 .25	YES YES		4	
A 186	2		K12-4 TB1-15					.25 .25	YES YES		3	
A 187	2		S6SW1-NC S7SW1-C					.25 .25	YES YES		4 4	
A 188	2		K13-8 K16-2					.25 .25	YES YES		4 4	
A 189	2		K12-6 J2-Z•					.25 .22	YES NO		3	
A 190	2		K12-9 J2-Y•					.25 .22	YES NO		3	
A 191	2		K12-12 J2-W•					.25 .22	YES NO		3	
A 192	2		K12-15 J2-V•					.25 .22	YES NO		3	
A 193	2		K12-8 K15-7					.25 .25	YES YES		3 3	
A 194	2		K12-11 K15-10					.25 .25	YES YES		3 3	
A 195	2		K12-14 K15-13					.25 .25	YES YES		3 3	
A 196	2		K12-17 K15-16					.25 .25	YES YES		3 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900799
SCALE - NONE	REV LTR B	SHEET 21 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	2		TB1-26 S7SW2-NC					.25 .25	YES YES		3	
A 198	2		TB1-26 K14-1					.25 .25	YES YES		 3	
A 199	2		K15-1 K14-8					.25 .25	YES YES		3	
A 200	2		K15-18 K20-1					.25 .25	YES YES		 4	
A 201	2		K16-1 TB1-18					.25 .25	YES YES		4	
A 202	2		K15-3 TB1-18					.25 .25	YES YES		3	
A 203	2		K16-5 TB1-20					.25 .25	YES YES			
A 204	2		S7SW1-NO TB1-19					.25 .25	YES YES		4	
A 205	2		K15-4 TB1-19					.25 .25	YES YES		3	
A 206	2		K16-7 TB1-17					.25 .25	YES YES		4	
A 207	2		K16-7 K15-19					.25 .25	YES YES		 3	
A 208	2		S7SW2-C TB1-17					.25 .25	YES YES		4	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 22 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	2		J2-S• K14-6					.22 .25	NO YES		 3	
A 210	2		XDS7-D K14-6					.25 .25	YES YES		4	
A 211	2		K14-3 J2-T•					.25 .22	YES NO		3	
A 212	2		K14-8 K17-7					.25 .25	YES YES		3 3	
A 213	2		K14-9 J2-R•					.25 .22	YES NO		3	
A 214	2		K14-11 K17-10					.25 .25	YES YES		3 3	
A 215	2		K14-12 J2-Q•					.25 .22	YES NO		3	
A 216	2		K14-14 K17-13					.25 .25	YES YES		3 3	
A 217	2		K14-15 J2-N•					.25 .22	YES NO		3	
A 218	2		K14-17 K17-16					.25 .25	YES YES		3 3	
A 219	2		K14-18 J2-M•					.25 .22	YES NO		3	
A 220	2		K14-20 K17-19					.25 .25	YES YES		3 3	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 23 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	2		K16-8 K19-2					.25 .25	YES YES		4 4	
A 222	2		S7SW1-NC S8SW1-C					.25 .25	YES YES		4 4	
A 223	2		J2-J• K15-6					.22 .25	NO YES		 3	
A 224	2		K20-3 J2-D•					.25 .22	YES NO		4	
A 225	2		J2-I• K15-9					.22 .25	NO YES		 3	
A 226	2		K15-8 K18-7					.25 .25	YES YES		3 3	
A 227	2		K15-11 K18-10					.25 .25	YES YES		3 3	
A 228	2		K15-12 J2-G•					.25 .22	YES NO		3	
A 229	2		K15-14 K18-13					.25 .25	YES YES		3 3	
A 230	2		K15-15 J2-F•					.25 .22	YES NO		3	
A 231	2		K15-17 K18-16					.25 .25	YES YES		3 3	
A 232	2		XDS8-G S8SW2-NC					.25 .25	YES YES		4 4	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 24 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	2		TB1-28 S8SW2-NC					.25 .25	YES YES			
A 234	2		TB1-28 K21-1					.25 .25	YES YES		 4	
A 235	2		K17-1 K21-1					.25 .25	YES YES		3	
A 236	2		K17-1 K18-1					.25 .25	YES YES		 3	
A 237	2		K18-3 TB1-22					.25 .25	YES YES		3	
A 238	2		K19-1 TB1-22					.25 .25	YES YES		4	
A 239	2		K19-5 TB1-24					.25 .25	YES YES		4	
A 240	2		TB1-23 S8SW1-NO					.25 .25	YES YES		 4	
A 241	2		TB1-23 K18-4					.25 .25	YES YES		 3	
A 242	2		S8SW1-NC K19-8					.25 .25	YES YES		4 4	
A 243	2		S8SW2-C TB1-21					.25 .25	YES YES		4	
A 244	2		K19-7 TB1-21					.25 .25	YES YES		4	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900799
SCALE-NONE | REV LTR B | SHEET 25 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	2		K19-7 K18-19					.25 .25	YES YES		3	
A 246	2		J2-B• K17-6					.22 .25	NO YES		3	
A 247	2		J2-C• K17-3					.22 .25	NO YES		3	
A 248	2		XDS8-D K17-6					.25 .25	YES YES		4	
A 249	2		J2-A• K17-9					.22 .25	NO YES		3	
A 250	2		J2-Z K17-12					.22 .25	NO YES		3	
A 251	2		J2-X K17-15					.22 .25	NO YES		3	
A 252	2		J2-W K17-18					.22 .25	NO YES		3	
A 253	2		J2-T K18-6					.22 .25	NO YES		3	
A 254	2		J2-S K18-9					.22 .25	NO YES		3	
A 255	2		J2-P K18-12					.22 .25	NO YES		3	
A 256	2		J2-N K18-15					.22 .25	NO YES		3	

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900799
SCALE-NONE REV LTR B SHEET 26 OF 28

MIL 2084 4-63

WIRING HARNESS A 2900799 B

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	2		J2-M K21-3					.22 .25	NO YES		4	
A 258	2		J2-L TB1-27					.22 .25	NO YES			
A 259	2		E1 J1-C					.25 .22	NO YES			
A 260	2		E1 J1-B					.25 .22	NO YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900799
SCALE-NONE REV LTR B SHEET 27 OF 28

MIL 2084 4-63

B

CONFIGURATION NOT AVAILABLE

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900799
SCALE - NONE REV LTR B SHEET 28 OF 28

MIL 2084 4-63

APPLICATION	
NEXT ASSY	USED ON
2900770-011	2900708-011

REVISIONS 23418

SYM	DESCRIPTION	DATE	APPROVAL
C	① REPLACES REVISION B WITH CHANGE PER TDRR 24851	15 NOV 65	WK

Charleston 8 Nov. 65

REV	C	C	C	C	C	C	C	C
SHEET	21	22	23	24	25	26	27	28

REV STATUS REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE, WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGUE 15 SEP 65
DATE
CHECKED C. PAJUDA 23 SEP 65
APPROVAL A. MILTON 23 SEP 65
APPROVAL J. M. Watson 11-29-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS 9-497

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900799	C
SCALE NONE		SHEET 1 OF 28	

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SPOT TIE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002019.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8, OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002032

NOTE NUMBER GENERAL NOTES DESCRIPTION

16 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002181 TYPE II, CLASS 5, 22AWG, WHT JKT WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	202	1015864-105	INSULATION SLEEVING
7	4	116	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MS18034-4	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	8	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		J1-HH	5				.22	NO			
			XF1-1	33				.25	YES		3	
A 2	2		J1-GG	5				.22	NO			
			S1SW2-C	34				.25	YES		4	
A 3	2		S1SW1-C	34				.25	YES		4	
			XF1-2	33				.25	YES		3	
A 4	2		J1-FF	5				.22	NO			
			S1SW3-C	34				.25	YES		4	
A 5	2		J1-EE	5				.22	NO			
			XF2-1	32				.25	YES		3	
A 6	2		S1SW4-C	34				.25	YES		4	
			XF2-2	32				.25	YES		3	
A 7	2		J1-DD	5				.22	NO			
			S1SW4-NO	34				.25	YES		4	
A 8	2		J1-CC	5				.22	NO			
			S1SW3-NO	34				.25	YES		4	
A 9	2		S1SW4-NO	34				.25	YES			
			J3-B	39				.22	NO			
A 10	2		S1SW3-NO	34				.25	YES			
			J3-A	39				.22	NO			
A 11	2		K1-1	1				.25	YES		3	
			K2-1	2				.25	YES		3	
A 12	2		K1-2	1				.25	YES		3	
			K2-2	2				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 5 OF 28

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WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	38				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	38				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 6 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NO	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34	2		K2-19	2				.25	YES		3	
			K1-8	1				.25	YES			
A 35	2		S1SW2-NC	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 7 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38	2		K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	7				.25	YES		4	
			K21-5	15				.25	YES			
A 41	2		K22-2	7				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 8 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58	2		K2-19	2				.25	YES			
			XDS1-C	34				.25	YES			
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	C	SHEET	9 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4	8				.25	YES		3	
			K5-4	3				.25	YES			
A 62	2		K8-4	8				.25	YES			
			K11-4	11				.25	YES		3	
A 63	2		K14-4	45				.25	YES		3	
			K11-4	11				.25	YES			
A 64	2		K14-4	45				.25	YES			
			K17-4	51				.25	YES		3	
A 65	2		K3-5	20				.25	YES		4	
			TB1-4	40				.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C	39				.22	NO			
			K2-9	2				.25	YES		3	
A 66R			J3-D	39				.22	NO			
			K2-6	2				.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E	39				.22	NO			
			K2-15	2				.25	YES		3	
A 67R			J3-F	39				.22	NO			
			K2-12	2				.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	C	SHEET	10 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G	39				.22	NO			
			K1-15	1				.25	YES		3	
A 68R			J3-H	39				.22	NO			
			K1-18	1				.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J	39				.22	NO			
			K1-9	1				.25	YES		3	
A 69R			J3-K	39				.22	NO			
			K1-12	1				.25	YES		3	
A 70	2		K1-2	1				.25	YES			
			TB1-30	44				.25	YES			
A 71	2		S3SW1-NC	38				.25	YES		4	
			K22-19	7				.25	YES		4	
A 72	2		S3SW1-NO	38				.25	YES		4	
			K22-16	7				.25	YES		4	
A 73	2		K1-19	1				.25	YES		3	
			K22-5	7				.25	YES		4	
A 74	2		K1-16	1				.25	YES		3	
			K22-8	7				.25	YES		4	
A 75	2		K1-13	1				.25	YES		3	
			K22-11	7				.25	YES		4	
A 76	2		K1-10	1				.25	YES		3	
			K22-14	7				.25	YES		4	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	C	SHEET	11 OF 28

MIL 2084 9-65

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-19	1				.25	YES			
			K5-19	3				.25	YES		3	
A 78	2		K1-16	1				.25	YES			
			K5-16	3				.25	YES		3	
A 79	2		K1-13	1				.25	YES			
			K5-13	3				.25	YES		3	
A 80	2		K1-10	1				.25	YES			
			K5-10	3				.25	YES		3	
A 81	2		K2-16	2				.25	YES		3	
			K22-12	7				.25	YES		4	
A 82	2		K2-13	2				.25	YES		3	
			K22-9	7				.25	YES		4	
A 83	2		K2-10	2				.25	YES		3	
			K22-6	7				.25	YES		4	
A 84	2		K2-7	2				.25	YES		3	
			K22-3	7				.25	YES		4	
A 85	2		K2-16	2				.25	YES			
			K6-16	4				.25	YES		3	
A 86	2		K2-13	2				.25	YES			
			K6-13	4				.25	YES		3	
A 87	2		K2-10	2				.25	YES			
			K6-10	4				.25	YES		3	
A 88	2		K2-7	2				.25	YES			
			K6-7	4				.25	YES		3	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	C	SHEET	12 OF 28

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K3-2	20				.25	YES		3	
			XDS2-A	36				.25	YES		4	
A 91	2		K22-20	7				.25	YES		4	
			XDS3-A	37				.25	YES		4	
A 92	2		K22-15	7				.25	YES		4	
			XDS3-C	37				.25	YES		4	
A 93	2		K22-4	7				.25	YES		4	
			J1-BB	5				.22	NO			
A 94	2		K22-7	7				.25	YES		4	
			J1-AA	5				.22	NO			
A 95	2		K22-10	7				.25	YES		4	
			J1-Z*	5				.22	NO			
A 96	2		K22-13	7				.25	YES		4	
			J1-Y*	5				.22	NO			
A 97	2		K5-1	3				.25	YES		3	
			K6-1	4				.25	YES		3	
A 98	2		S4SW2-NC	31				.25	YES		4	
			K6-1	4				.25	YES			
A 99	2		K1-7	1				.25	YES		3	
			K20-8	17				.25	YES		4	
A 100	2		K21-8	15				.25	YES		4	
			K20-8	17				.25	YES			
A 101	2		K5-3	3				.25	YES		3	
			J1-X*	5				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR C	SHEET 13 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-6	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	8				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-R*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR C	SHEET 14 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	31				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR C	SHEET 15 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR C	SHEET 16 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR	C	SHEET 17 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR	C	SHEET 18 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-6	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR	C	SHEET 19 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		K12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR	C	SHEET 20 OF 28

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR C		SHEET 21 OF 28

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18	46				.25	YES			
			K20-1	17				.25	YES		4	
A 201	2		K16-1	21				.25	YES		4	
			TB1-18	48				.25	YES			
A 202	2		K15-3	46				.25	YES		3	
			TB1-18	48				.25	YES			
A 203	2		K16-5	21				.25	YES			
			TB1-20	42				.25	YES			
A 204	2		S7SW1-NO	26				.25	YES		4	
			TB1-19	42				.25	YES			
A 205	2		K15-4	46				.25	YES		3	
			TB1-19	42				.25	YES			
A 206	2		K16-7	21				.25	YES		4	
			TB1-17	47				.25	YES			
A 207	2		K16-7	21				.25	YES			
			K15-19	46				.25	YES		3	
A 208	2		S7SW2-C	26				.25	YES		4	
			TB1-17	47				.25	YES			
A 209	2		J2-S*	6				.22	NO			
			K14-6	45				.25	YES		3	
A 210	2		XDS7-D	27				.25	YES		4	
			K14-6	45				.25	YES			
A 211	2		K14-3	45				.25	YES		3	
			J2-T*	6				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR C		SHEET 22 OF 28

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8	45				.25	YES		3	
			K17-7	51				.25	YES		3	
A 213	2		K14-9	45				.25	YES		3	
			J2-R*	6				.22	NO			
A 214	2		K14-11	45				.25	YES		3	
			K17-10	51				.25	YES		3	
A 215	2		K14-12	45				.25	YES		3	
			J2-Q*	6				.22	NO			
A 216	2		K14-14	45				.25	YES		3	
			K17-13	51				.25	YES		3	
A 217	2		K14-15	45				.25	YES		3	
			J2-N*	6				.22	NO			
A 218	2		K14-17	45				.25	YES		3	
			K17-16	51				.25	YES		3	
A 219	2		K14-18	45				.25	YES		3	
			J2-M*	6				.22	NO			
A 220	2		K14-20	45				.25	YES		3	
			K17-19	51				.25	YES		3	
A 221	2		K16-8	21				.25	YES		4	
			K19-2	19				.25	YES		4	
A 222	2		S7SW1-NC	26				.25	YES		4	
			S8SW1-C	28				.25	YES		4	
A 223	2		J2-J*	6				.22	NO			
			K15-6	46				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR C		SHEET 23 OF 28

WIRING HARNESS A 2900799 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3	17				.25	YES		4	
			J2-D*	6				.22	NO			
A 225	2		J2-I*	6				.22	NO			
			K15-9	46				.25	YES		3	
A 226	2		K15-8	46				.25	YES		3	
			K18-7	54				.25	YES		3	
A 227	2		K15-11	46				.25	YES		3	
			K18-10	54				.25	YES		3	
A 228	2		K15-12	46				.25	YES		3	
			J2-G*	6				.22	NO			
A 229	2		K15-14	46				.25	YES		3	
			K18-13	54				.25	YES		3	
A 230	2		K15-15	46				.25	YES		3	
			J2-F*	6				.22	NO			
A 231	2		K15-17	46				.25	YES		3	
			K18-16	54				.25	YES		3	
A 233	2		TB1-28	43				.25	YES			
			S8SW2-NC	28				.25	YES		4	
A 234	2		TB1-28	43				.25	YES			
			K21-1	15				.25	YES		4	
A 235	2		K17-1	51				.25	YES		3	
			K21-1	15				.25	YES			
A 236	2		K17-1	51				.25	YES			
			K18-1	54				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR C		SHEET 24 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3	54				.25	YES		3	
			TB1-22	48				.25	YES			
A 238	2		K19-1	19				.25	YES		4	
			TB1-22	48				.25	YES			
A 239	2		K19-5	19				.25	YES		4	
			TB1-24	42				.25	YES			
A 240	2		TB1-23	42				.25	YES			
			S8SW1-NO	28				.25	YES		4	
A 241	2		TB1-23	42				.25	YES			
			K18-4	54				.25	YES		3	
A 242	2		S8SW1-NC	28				.25	YES		4	
			K19-8	19				.25	YES		4	
A 243	2		S8SW2-C	28				.25	YES		4	
			TB1-21	47				.25	YES			
A 244	2		K19-7	19				.25	YES		4	
			TB1-21	47				.25	YES			
A 245	2		K19-7	19				.25	YES			
			K18-19	54				.25	YES		3	
A 246	2		J2-B*	6				.22	NO			
			K17-6	51				.25	YES		3	
A 247	2		J2-C*	6				.22	NO			
			K17-3	51				.25	YES		3	
A 248	2		XDS8-D	29				.25	YES		4	
			K17-6	51				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 25 OF 28

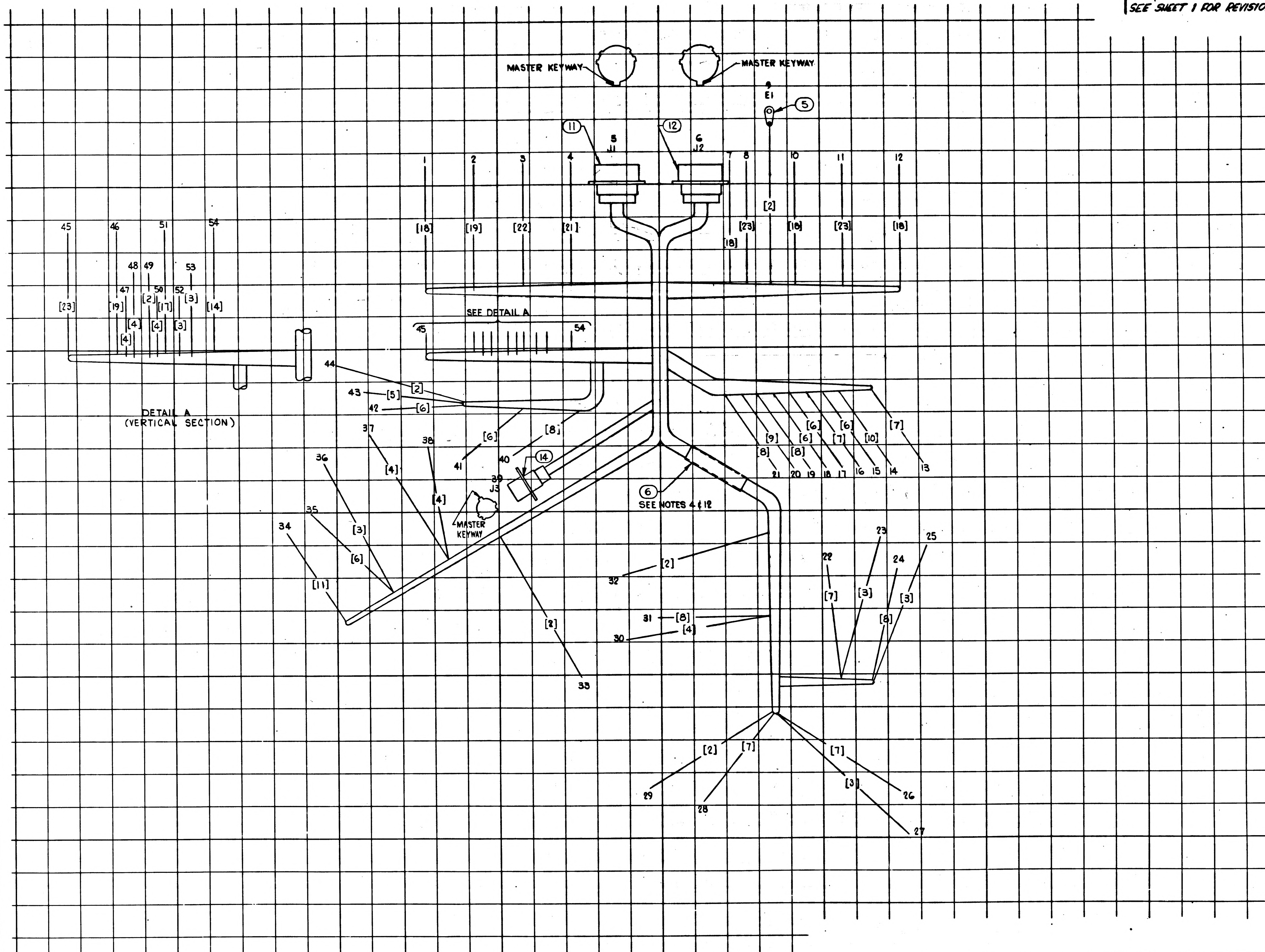
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A*	6				.22	NO			
			K17-9	51				.25	YES		3	
A 250	2		J2-Z	6				.22	NO			
			K17-12	51				.25	YES		3	
A 251	2		J2-X	6				.22	NO			
			K17-15	51				.25	YES		3	
A 252	2		J2-W	6				.22	NO			
			K17-18	51				.25	YES		3	
A 253	2		J2-T	6				.22	NO			
			K18-6	54				.25	YES		3	
A 254	2		J2-S	6				.22	NO			
			K18-9	54				.25	YES		3	
A 255	2		J2-P	6				.22	NO			
			K18-12	54				.25	YES		3	
A 256	2		J2-N	6				.22	NO			
			K18-15	54				.25	YES		3	
A 257	2		J2-M	6				.22	NO			
			K21-3	15				.25	YES		4	
A 258	2		J2-L	6				.22	NO			
			TB1-27	43				.25	YES			
A 259	2		E1	9				.25	NO			
			J1-C	5				.22	YES			
A 260	2		E1	9				.25	NO			
			J1-B	5				.22	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 26 OF 28

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5	18				.22	YES			
			TB1-1	52				.25	YES			
A 262	2		TB1-29	44				.22	YES			
			K5-7	3				.25	YES		3	
A 263	2		J1-U	5				.22	NO			
			K2-2	2				.22	YES			
A 264	2		XDS4-G	30				.25	YES			
			K6-18	4				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR C	SHEET 27 OF 28

REVISIONS TURR 23418				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		CHG NO.		
		SEE SHEET 1 FOR REVISION RECORD		


MASTER KEYWAY
MASTER KEYWAY
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J1
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J2
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MASTER

2900799 C

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN SASUE DATE 15SEP65
CHECKED C PIQUIDO 23SEP65
APPROVAL J. MITTON 23 SEP 65
APPROVAL J. M Watson 11-29-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL WKay 4/22 Feb 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900799
SCALE FULL
SHEET 28 OF 33

APPLICATION		REVISIONS 23J18			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011	C	① REPLACES REVISION B WITH CHANGE PER TDRR 24851	15 NOV 65	P. Taticek WK
		D	REVISED PER TDRR 25400	28 JAN 66	RLP

Charleston
8 Nov. 65

REV	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	21	22	23	24	25	26	27	28	29	30	31	32

REV STATUS OF SHEETS	REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGNE DATE 15 SEP 65
CHECKED C. PIOJIDA 23 SEP 65
APPROVAL J. MILTON 23 SEP 65
APPROVAL J. M. Watson 11-29-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL 22 Feb
CONTRACT NAS 9-497

WIRING HARNESS A

CODE IDENT NO.	SIZE		REV
99974	A	2900799	D
SCALE NONE		SHEET 1 OF 32	

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SPOT TIE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002019.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8, OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002032

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 2 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 3 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002181 TYPE II, CLASS 5, 22AWG, WHT JKT WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	274	1015864-105	INSULATION SLEEVING
7	4	110	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MS18034-4	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	10	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 4 OF 32

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2		J1-HH	5				.22	NO			
				XF1-1	33				.25	YES		3	
A	2	2		J1-GG	5				.22	NO			
				S1SW2-C	34				.25	YES		4	
A	3	2		S1SW1-C	34				.25	YES		4	
				XF1-2	33				.25	YES		3	
A	4	2		J1-FF	5				.22	NO			
				S1SW3-C	34				.25	YES		4	
A	5	2		J1-EE	5				.22	NO			
				XF2-1	32				.25	YES		3	
A	6	2		S1SW4-C	34				.25	YES		4	
				XF2-2	32				.25	YES		3	
A	7	2		J1-DD	5				.22	NO			
				S1SW4-NO	34				.25	YES		4	
A	8	2		J1-CC	5				.22	NO			
				S1SW3-NO	34				.25	YES		4	
A	9	2		S1SW4-NO	34				.25	YES			
				J3-B	39				.22	NO			
A	10	2		S1SW3-NO	34				.25	YES			
				J3-A	39				.22	NO			
A	11	2		K1-1	1				.25	YES		3	
				K2-1	2				.25	YES		3	
A	12	2		K1-2	1				.25	YES		3	
				K2-2	2				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 5 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS •STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	38				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	38				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 6 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NO	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34	2		K2-19	2				.25	YES		3	
			K1-8	1				.25	YES			
A 35	2		S1SW2-NO	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 7 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38	2		K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	56				.25	YES		3	
			K21-5	15				.25	YES			
A 41	2		K22-2	56				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 8 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58	2		K2-19	2				.25	YES			
			XDS1-C	34				.25	YES			
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 9 OF 32

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LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	2		K8-4	8				.25	YES		3	
				K5-4	3				.25	YES			
A	62	2		K8-4	8				.25	YES			
				K11-4	11				.25	YES		3	
A	63	2		K14-4	45				.25	YES		3	
				K11-4	11				.25	YES			
A	64	2		K14-4	45				.25	YES			
				K17-4	51				.25	YES		3	
A	65	2		K3-5	20				.25	YES		4	
				TB1-4	40				.25	YES			
A	66	1				2.00						13	
						2.00						13	
A	66L			J3-C	39				.22	NO			
				K2-10	2				.25	YES		3	
A	66R			J3-D	39				.22	NO			
				K2-7	2				.25	YES		3	
A	67	1				2.00						13	
						2.00						13	
A	67L			J3-E	39				.22	NO			
				K2-16	2				.25	YES		3	
A	67R			J3-F	39				.22	NO			
				K2-13	2				.25	YES		3	
A	68	1				2.00						13	
						2.00						13	

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	68L			J3-G	39				.22	NO			
				K1-16	1				.25	YES		3	
A	68R			J3-H	39				.22	NO			
				K1-19	1				.25	YES		3	
A	69	1				2.00						13	
						2.00						13	
A	69L			J3-J	39				.22	NO			
				K1-10	1				.25	YES		3	
A	69R			J3-K	39				.22	NO			
				K1-13	1				.25	YES		3	
A	70	2		K1-2	1				.25	YES			
				TB1-30	44				.25	YES			
A	71	2		S3SW1-NC	38				.25	YES		4	
				K22-19	56				.25	YES		3	
A	72	2		S3SW1-NO	38				.25	YES		4	
				K22-16	56				.25	YES		3	
A	73	2		K1-18	1				.25	YES		3	
				K22-5	56				.25	YES		3	
A	74	2		K1-15	1				.25	YES		3	
				K22-8	56				.25	YES		3	
A	75	2		K1-12	1				.25	YES		3	
				K22-11	56				.25	YES		3	
A	76	2		K1-9	1				.25	YES		3	
				K22-14	56				.25	YES		3	

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	77	2		K1-18	1				.25	YES			
				K5-19	3				.25	YES		3	
A	78	2		K1-15	1				.25	YES			
				K5-16	3				.25	YES		3	
A	79	2		K1-12	1				.25	YES			
				K5-13	3				.25	YES		3	
A	80	2		K1-9	1				.25	YES			
				K5-10	3				.25	YES		3	
A	81	2		K2-15	2				.25	YES		3	
				K22-12	56				.25	YES		3	
A	82	2		K2-12	2				.25	YES		3	
				K22-9	56				.25	YES		3	
A	83	2		K2-9	2				.25	YES		3	
				K22-6	56				.25	YES		3	
A	84	2		K2-6	2				.25	YES		3	
				K22-3	56				.25	YES		3	
A	85	2		K2-15	2				.25	YES			
				K6-16	4				.25	YES		3	
A	86	2		K2-12	2				.25	YES			
				K6-13	4				.25	YES		3	
A	87	2		K2-9	2				.25	YES			
				K6-10	4				.25	YES		3	
A	88	2		K2-6	2				.25	YES			
				K6-7	4				.25	YES		3	

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	89	2		K3-2	20				.25	YES		3	
				XDS2-A	36				.25	YES		4	
A	91	2		K22-20	56				.25	YES		3	
				XDS3-A	37				.25	YES		4	
A	92	2		K22-15	56				.25	YES		3	
				XDS3-C	37				.25	YES		4	
A	93	2		K22-4	56				.25	YES		3	
				J1-BB	5				.22	NO			
A	94	2		K22-7	56				.25	YES		3	
				J1-AA	5				.22	NO			
A	95	2		K22-10	56				.25	YES		3	
				J1-Z*	5				.22	NO			
A	96	2		K22-13	56				.25	YES		3	
				J1-Y*	5				.22	NO			
A	97	2		K5-1	3				.25	YES		3	
				K6-1	4				.25	YES		3	
A	98	2		S4SW2-NC	31				.25	YES		4	
				K6-1	4				.25	YES			
A	99	2		K1-7	1				.25	YES		3	
				K20-8	17				.25	YES		4	
A	100	2		K21-8	15				.25	YES		4	
				K20-8	17				.25	YES			
A	101	2		K5-3	3				.25	YES		3	
				J1-X*	5				.22	NO			

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-6	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	8				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-R*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 14 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	31				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 15 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 16 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 17 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 18 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-6	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 19 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		K12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 20 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 21 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18 K20-1	46 17				.25 .25	YES YES		 4	
A 201	2		K16-1 TB1-18	21 48				.25 .25	YES YES		4	
A 202	2		K15-3 TB1-18	46 48				.25 .25	YES YES		3	
A 203	2		K16-5 TB1-20	21 42				.25 .25	YES YES			
A 204	2		S7SW1-NO TB1-19	26 42				.25 .25	YES YES		4	
A 205	2		K15-4 TB1-19	46 42				.25 .25	YES YES		3	
A 206	2		K16-7 TB1-17	21 47				.25 .25	YES YES		4	
A 207	2		K16-7 K15-19	21 46				.25 .25	YES YES		 3	
A 208	2		S7SW2-C TB1-17	26 47				.25 .25	YES YES		4	
A 209	2		J2-S* K14-6	6 45				.22 .25	NO YES		 3	
A 210	2		XDS7-D K14-6	27 45				.25 .25	YES YES		4	
A 211	2		K14-3 J2-T*	45 6				.25 .22	YES NO		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 22 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8 K17-7	45 51				.25 .25	YES YES		3 3	
A 213	2		K14-9 J2-R*	45 6				.25 .22	YES NO		3	
A 214	2		K14-11 K17-10	45 51				.25 .25	YES YES		3 3	
A 215	2		K14-12 J2-Q*	45 6				.25 .22	YES NO		3	
A 216	2		K14-14 K17-13	45 51				.25 .25	YES YES		3 3	
A 217	2		K14-15 J2-N*	45 6				.25 .22	YES NO		3	
A 218	2		K14-17 K17-16	45 51				.25 .25	YES YES		3 3	
A 219	2		K14-18 J2-M*	45 6				.25 .22	YES NO		3	
A 220	2		K14-20 K17-19	45 51				.25 .25	YES YES		3 3	
A 221	2		K16-8 K19-2	21 19				.25 .25	YES YES		4 4	
A 222	2		S7SW1-NC S8SW1-C	26 28				.25 .25	YES YES		4 4	
A 223	2		J2-J* K15-6	6 46				.22 .25	NO YES		 3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 23 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3 J2-D*	17 6				.25 .22	YES NO		4	
A 225	2		J2-I* K15-9	6 46				.22 .25	NO YES		 3	
A 226	2		K15-8 K18-7	46 54				.25 .25	YES YES		3 3	
A 227	2		K15-11 K18-10	46 54				.25 .25	YES YES		3 3	
A 228	2		K15-12 J2-G*	46 6				.25 .22	YES NO		3	
A 229	2		K15-14 K18-13	46 54				.25 .25	YES YES		3 3	
A 230	2		K15-15 J2-F*	46 6				.25 .22	YES NO		3	
A 231	2		K15-17 K18-16	46 54				.25 .25	YES YES		3 3	
A 233	2		TB1-28 S8SW2-NC	43 28				.25 .25	YES YES		 4	
A 234	2		TB1-28 K21-1	43 15				.25 .25	YES YES		 4	
A 235	2		K17-1 K21-1	51 15				.25 .25	YES YES		3	
A 236	2		K17-1 K18-1	51 54				.25 .25	YES YES		 3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 24 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3 TB1-22	54 48				.25 .25	YES YES		3	
A 238	2		K19-1 TB1-22	19 48				.25 .25	YES YES		4	
A 239	2		K19-5 TB1-24	19 42				.25 .25	YES YES		4	
A 240	2		TB1-23 S8SW1-NO	42 28				.25 .25	YES YES		 4	
A 241	2		TB1-23 K18-4	42 54				.25 .25	YES YES		 3	
A 242	2		S8SW1-NC K19-8	28 19				.25 .25	YES YES		4 4	
A 243	2		S8SW2-C TB1-21	28 47				.25 .25	YES YES		4	
A 244	2		K19-7 TB1-21	19 47				.25 .25	YES YES		4	
A 245	2		K19-7 K18-19	19 54				.25 .25	YES YES		 3	
A 246	2		J2-B* K17-6	6 51				.22 .25	NO YES		 3	
A 247	2		J2-C* K17-3	6 51				.22 .25	NO YES		 3	
A 248	2		XDS8-D K17-6	29 51				.25 .25	YES YES		4	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 25 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A* K17-9	6 51				.22 .25	NO YES		 3	
A 250	2		J2-Z K17-12	6 51				.22 .25	NO YES		 3	
A 251	2		J2-X K17-15	6 51				.22 .25	NO YES		 3	
A 252	2		J2-W K17-18	6 51				.22 .25	NO YES		 3	
A 253	2		J2-T K18-6	6 54				.22 .25	NO YES		 3	
A 254	2		J2-S K18-9	6 54				.22 .25	NO YES		 3	
A 255	2		J2-P K18-12	6 54				.22 .25	NO YES		 3	
A 256	2		J2-N K18-15	6 54				.22 .25	NO YES		 3	
A 257	2		J2-M K21-3	6 15				.22 .25	NO YES		 4	
A 258	2		J2-L TB1-27	6 43				.22 .25	NO YES			
A 259	2		E1 J1-C	9 5				.25 .22	NO YES			
A 260	2		E1 J1-B	9 5				.25 .22	NO YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 26 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5 TB1-1	18 52				.22 .25	YES YES			
A 262	2		TB1-29 K5-7	44 3				.22 .25	YES YES		 3	
A 263	2		J1-U K2-2	5 2				.22 .25	NO YES			
A 264	2		XDS4-G K6-18	30 4				.25 .25	YES YES		 3	
A 265	2		K1-20 K23-19	1 57				.25 .25	YES YES		3 3	
A 266	2		K1-17 K23-16	1 57				.25 .25	YES YES		3 3	
A 267	2		K1-14 K23-13	1 57				.25 .25	YES YES		3 3	
A 268	2		K1-11 K23-10	1 57				.25 .25	YES YES		3 3	
A 269	2		K23-19 K25-19	57 59				.25 .25	YES YES		 3	
A 270	2		K23-16 K25-16	57 59				.25 .25	YES YES		 3	
A 271	2		K23-13 K25-13	57 59				.25 .25	YES YES		 3	
A 272	2		K23-10 K25-10	57 59				.25 .25	YES YES		 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 27 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	2		K23-18 K14-19	57 45				.25 .25	YES YES		3	
A 274	2		K23-15 K14-16	57 45				.25 .25	YES YES		3	
A 275	2		K23-12 K14-13	57 45				.25 .25	YES YES		3	
A 276	2		K23-9 K14-10	57 45				.25 .25	YES YES		3	
A 277	2		K25-18 J2-F	59 6				.25 .22	YES NO		3	
A 278	2		K25-15 J2-G	59 6				.25 .22	YES NO		3	
A 279	2		K25-12 J2-J	59 6				.25 .22	YES NO		3	
A 280	2		K25-9 J2-K	59 6				.25 .22	YES NO		3	
A 281	2		K2-17 K24-16	2 58				.25 .25	YES YES		3 3	
A 282	2		K2-14 K24-13	2 58				.25 .25	YES YES		3 3	
A 283	2		K2-11 K24-10	2 58				.25 .25	YES YES		3 3	
A 284	2		K2-8 K24-7	2 58				.25 .25	YES YES		3 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 28 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	2		K24-16 K26-16	58 55				.25 .25	YES YES		 3	
A 286	2		K24-13 K26-13	58 55				.25 .25	YES YES		 3	
A 287	2		K24-10 K26-10	58 55				.25 .25	YES YES		 3	
A 288	2		K24-7 K26-7	58 55				.25 .25	YES YES		 3	
A 289	2		K24-15 K15-16	58 46				.25 .25	YES YES		3	
A 290	2		K24-12 K25-13	58 46				.25 .25	YES YES		3	
A 291	2		K24-9 K15-10	58 46				.25 .25	YES YES		3	
A 292	2		K24-6 K15-7	58 46				.25 .25	YES YES		3	
A 293	2		K26-15 J1-T	55 5				.25 .22	YES NO		3	
A 294	2		K26-12 J1-S	55 5				.25 .22	YES NO		3	
A 295	2		K26-9 J1-R	55 5				.25 .22	YES NO		3	
A 296	2		K26-6 J1-P	55 5				.25 .22	YES NO		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 29 OF 32

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	2		K25-7 K26-19	59 55				.25 .25	YES YES		3 3	
A 298	2		K23-7 K24-4	57 58				.25 .25	YES YES		3 3	
A 299	2		K24-6 XDS9-A	58 36				.25 .25	YES YES		3 4	
A 300	2		K24-1 K23-1	58 57				.25 .25	YES YES		3	
A 301	2		K23-1 K21-4	57 15				.25 .25	YES YES		3 4	
A 302	2		K21-6 K20-6	15 17				.25 .25	YES YES		4 4	
A 303	2		K20-4 S9SW1-NO	17 35				.25 .25	YES YES		4 4	
A 304	2		XDS9-G K24-2	36 58				.25 .25	YES YES		4 3	
A 305	2		K24-2 K23-2	58 57				.25 .25	YES YES		 3	
A 306	2		K23-2 XDS1-G	57 34				.25 .25	YES YES			
A 307	2		S9SW1-C S10SW1-C	35 38				.25 .25	YES YES		4 4	
A 308	2		K26-18 XDS10-A	55 37				.25 .25	YES YES		3 4	

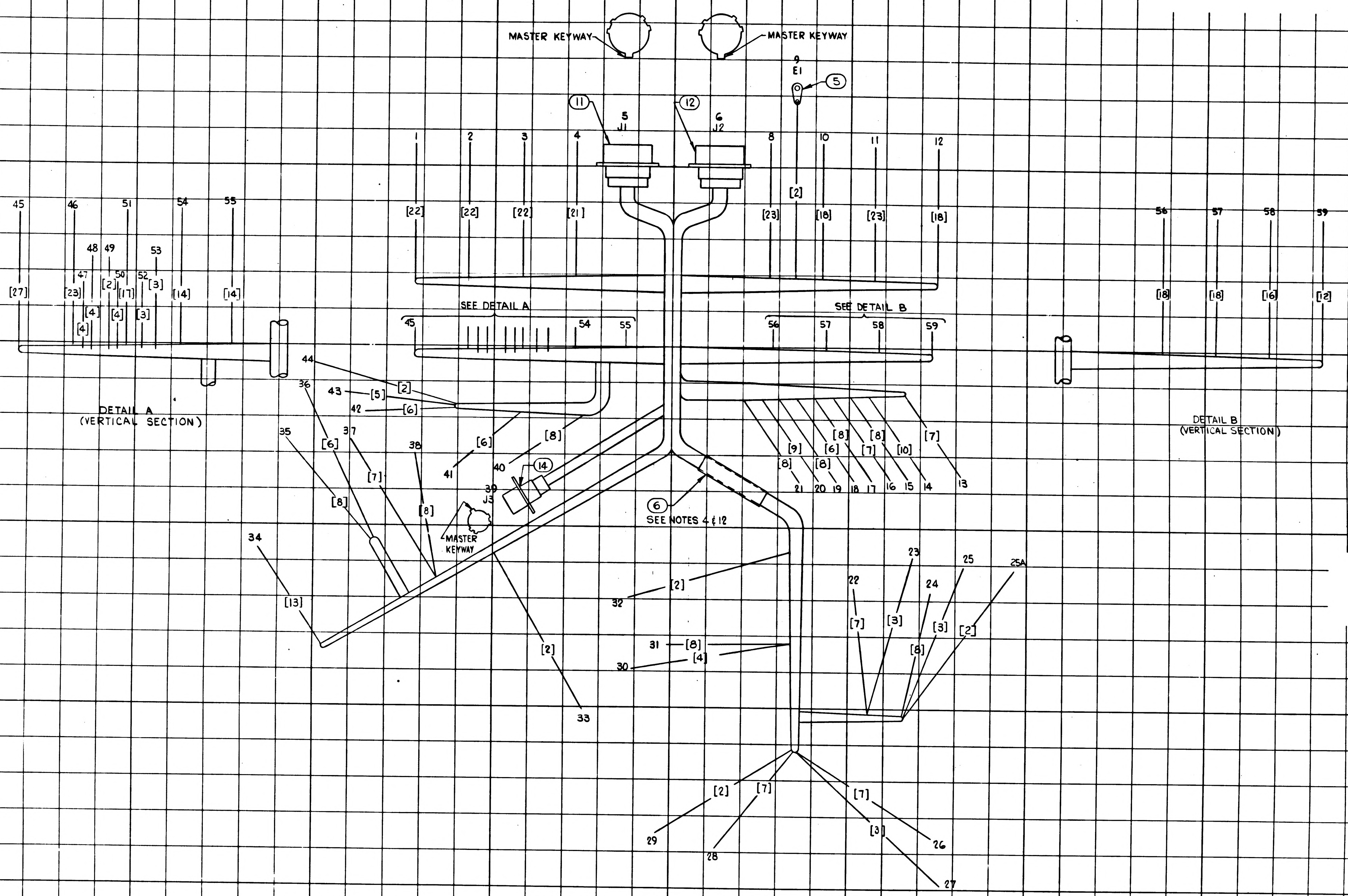
SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 30 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 309	2		S10SW1-NO K26-1	38 55				.25 .25	YES YES		4 3	
A 310	2		K26-1 K25-1	55 59				.25 .25	YES YES		 3	
A 311	2		XDS10-G K26-2	37 55				.25 .25	YES YES		4 3	
A 312	2		K26-2 K25-2	55 59				.25 .25	YES YES		 3	
A 313	2		S10SW1-C XDS1-C	38 34				.25 .25	YES YES			
A 314	2		XDS9-G XDS10-G	36 37				.25 .25	YES YES			
A 315	1				2.00 2.00						13 13	
A 315L			J1-K J5	5 25A				.22 .25	NO YES		5	
A 315R			J1-J J4	5 25A				.22 .25	NO YES			
A 316	2		S10SW1-NO K25-6	38 59				.25 .25	YES YES		 3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 31 OF 32

REVISIONS TLR C 33 L E					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD



MASTER KEYWAY
MASTER KEYWAY
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NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN SAGUE DATE 15SEP65
CHECKED C. PIONDA 23SEP65
APPROVAL C. MITTON 23SEP65
APPROVAL M. Walton
NASA APPROVAL A. C. METZGER
MIT APPROVAL W. Kay 4.22

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974 SIZE E 2900799
SCALE FULL SHEET 32 OF 32

2900799 D

APPLICATION		REVISIONS 23411			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2300770-011	2300708-011	C	① REPLACES REVISION B WITH CHANGE PER TDRR 24851	15 NOV 65	RATICEK WK
		D	REVISED PER TDRR 25400	28 JAN 66	RJP
		E	REVISED PER TDRR 25709	10 FEB 66	B

3 NOV 65

REV	D	D	D	D	D	D	D	D	D	E	D	E
SHEET	21	22	23	24	25	26	27	28	29	30	31	32

REV STATUS OF SHEETS																				
REV	E	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGNE DATE 15 SEP 65
CHECKED C. PIOJUA 23 SEP 65
APPROVAL J. MITTON 23 SEP 65
APPROVAL 11-29-65

WIRING HARNESS A

NASA APPROVAL
MIT APPROVAL 2/22/66

CODE IDENT NO. 99974
SIZE A
2900799
REV E

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 32

NOTE NUMBER — GENERAL NOTES — DESCRIPTION

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SPOT TIE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002019.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8, OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002032

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 2 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 3 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002161 TYPE II, CLASS ~~5,~~ 1, T2, 22 AWG ~~22AWG, WHT JKT~~ WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	274	1015864-105	INSULATION SLEEVING
7	4	110	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MS18034-4	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55b	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	10	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR E ~~D~~ | SHEET 4 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		J1-HH	5				.22	NO			
			XF1-1	33				.25	YES		3	
A 2	2		J1-GG	5				.22	NO			
			S1SW2-C	34				.25	YES		4	
A 3	2		S1SW1-C	34				.25	YES		4	
			XF1-2	33				.25	YES		3	
A 4	2		J1-FF	5				.22	NO			
			S1SW3-C	34				.25	YES		4	
A 5	2		J1-EE	5				.22	NO			
			XF2-1	32				.25	YES		3	
A 6	2		S1SW4-C	34				.25	YES		4	
			XF2-2	32				.25	YES		3	
A 7	2		J1-DD	5				.22	NO			
			S1SW4-NO	34				.25	YES		4	
A 8	2		J1-CC	5				.22	NO			
			S1SW3-NO	34				.25	YES		4	
A 9	2		S1SW4-NO	34				.25	YES			
			J3-B	39				.22	NO			
A 10	2		S1SW3-NO	34				.25	YES			
			J3-A	39				.22	NO			
A 11	2		K1-1	1				.25	YES		3	
			K2-1	2				.25	YES		3	
A 12	2		K1-2	1				.25	YES		3	
			K2-2	2				.25	YES		3	

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 5 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	38				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	38				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 6 OF 32	

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NO	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34	2		K2-19	2				.25	YES		3	
			K1-8	1				.25	YES			
A 35	2		S1SW2-NO	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 7 OF 32	

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38			K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	56				.25	YES		3	
			K21-5	15				.25	YES			
A 41	2		K22-2	56				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 8 OF 32	

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58	2		K2-19	2				.25	YES			
			XDS1-C	34				.25	YES			
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 9 OF 32	

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4	8				.25	YES		3	
			K5-4	3				.25	YES			
A 62	2		K8-4	8				.25	YES			
			K11-4	11				.25	YES		3	
A 63	2		K14-4	45				.25	YES		3	
			K11-4	11				.25	YES			
A 64	2		K14-4	45				.25	YES			
			K17-4	51				.25	YES		3	
A 65	2		K3-5	20				.25	YES		4	
			TB1-4	40				.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C	39				.22	NO			
			K2-10	2				.25	YES		3	
A 66R			J3-D	39				.22	NO			
			K2-7	2				.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E	39				.22	NO			
			K2-16	2				.25	YES		3	
A 67R			J3-F	39				.22	NO			
			K2-13	2				.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 10 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G	39				.22	NO			
			K1-16	1				.25	YES		3	
A 68R			J3-H	39				.22	NO			
			K1-19	1				.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J	39				.22	NO			
			K1-10	1				.25	YES		3	
A 69R			J3-K	39				.22	NO			
			K1-13	1				.25	YES		3	
A 70	2		K1-2	1				.25	YES			
			TB1-30	44				.25	YES			
A 71	2		S3SW1-NC	38				.25	YES		4	
			K22-19	56				.25	YES		3	
A 72	2		S3SW1-NO	38				.25	YES		4	
			K22-16	56				.25	YES		3	
A 73	2		K1-18	1				.25	YES		3	
			K22-5	56				.25	YES		3	
A 74	2		K1-15	1				.25	YES		3	
			K22-8	56				.25	YES		3	
A 75	2		K1-12	1				.25	YES		3	
			K22-11	56				.25	YES		3	
A 76	2		K1-9	1				.25	YES		3	
			K22-14	56				.25	YES		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 11 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-18	1				.25	YES			
			K5-19	3				.25	YES		3	
A 78	2		K1-15	1				.25	YES			
			K5-16	3				.25	YES		3	
A 79	2		K1-12	1				.25	YES			
			K5-13	3				.25	YES		3	
A 80	2		K1-9	1				.25	YES			
			K5-10	3				.25	YES		3	
A 81	2		K2-15	2				.25	YES		3	
			K22-12	56				.25	YES		3	
A 82	2		K2-12	2				.25	YES		3	
			K22-9	56				.25	YES		3	
A 83	2		K2-9	2				.25	YES		3	
			K22-6	56				.25	YES		3	
A 84	2		K2-6	2				.25	YES		3	
			K22-3	56				.25	YES		3	
A 85	2		K2-15	2				.25	YES			
			K6-16	4				.25	YES		3	
A 86	2		K2-12	2				.25	YES			
			K6-13	4				.25	YES		3	
A 87	2		K2-9	2				.25	YES			
			K6-10	4				.25	YES		3	
A 88	2		K2-6	2				.25	YES			
			K6-7	4				.25	YES		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 12 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K3-2	20				.25	YES		3	
			XDS2-A	36				.25	YES		4	
A 91	2		K22-20	56				.25	YES		3	
			XDS3-A	37				.25	YES		4	
A 92	2		K22-15	56				.25	YES		3	
			XDS3-C	37				.25	YES		4	
A 93	2		K22-4	56				.25	YES		3	
			J1-BB	5				.22	NO			
A 94	2		K22-7	56				.25	YES		3	
			J1-AA	5				.22	NO			
A 95	2		K22-10	56				.25	YES		3	
			J1-Z*	5				.22	NO			
A 96	2		K22-13	56				.25	YES		3	
			J1-Y*	5				.22	NO			
A 97	2		K5-1	3				.25	YES		3	
			K6-1	4				.25	YES		3	
A 98	2		S4SW2-NC	31				.25	YES		4	
			K6-1	4				.25	YES			
A 99	2		K1-7	1				.25	YES		3	
			K20-8	17				.25	YES		4	
A 100	2		K21-8	15				.25	YES		4	
			K20-8	17				.25	YES			
A 101	2		K5-3	3				.25	YES		3	
			J1-X*	5				.22	NO			

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 13 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-6	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	6				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-R*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 14 OF 32	

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	31				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 15 OF 32	

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 16 OF 32	

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 17 OF 32	

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR D		SHEET 18 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-6	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR D		SHEET 19 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		K12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR D		SHEET 20 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799	
SCALE-NONE	REV LTR D		SHEET 21 OF 32

WIRING HARNESS A 2900799 0

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18 K20-1	46 17				.25 .25	YES YES		 4	
A 201	2		K16-1 TB1-18	21 48				.25 .25	YES YES		4	
A 202	2		K15-3 TB1-18	46 48				.25 .25	YES YES		3	
A 203	2		K16-5 TB1-20	21 42				.25 .25	YES YES			
A 204	2		S7SW1-NO TB1-19	26 42				.25 .25	YES YES		4	
A 205	2		K15-4 TB1-19	46 42				.25 .25	YES YES		3	
A 206	2		K16-7 TB1-17	21 47				.25 .25	YES YES		4	
A 207	2		K16-7 K15-19	21 46				.25 .25	YES YES		 3	
A 208	2		S7SW2-C TB1-17	26 47				.25 .25	YES YES		4	
A 209	2		J2-S* K14-6	6 45				.22 .25	NO YES		 3	
A 210	2		XDS7-D K14-6	27 45				.25 .25	YES YES		4	
A 211	2		K14-3 J2-T*	45 6				.25 .22	YES NO		3	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 22 OF 32	

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8 K17-7	45 51				.25 .25	YES YES		3 3	
A 213	2		K14-9 J2-R*	45 6				.25 .22	YES NO		3	
A 214	2		K14-11 K17-10	45 51				.25 .25	YES YES		3 3	
A 215	2		K14-12 J2-Q*	45 6				.25 .22	YES NO		3	
A 216	2		K14-14 K17-13	45 51				.25 .25	YES YES		3 3	
A 217	2		K14-15 J2-N*	45 6				.25 .22	YES NO		3	
A 218	2		K14-17 K17-16	45 51				.25 .25	YES YES		3 3	
A 219	2		K14-18 J2-M*	45 6				.25 .22	YES NO		3	
A 220	2		K14-20 K17-19	45 51				.25 .25	YES YES		3 3	
A 221	2		K16-8 K19-2	21 19				.25 .25	YES YES		4 4	
A 222	2		S7SW1-NC S8SW1-C	26 28				.25 .25	YES YES		4 4	
A 223	2		J2-J* K15-6	6 46				.22 .25	NO YES		 3	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 23 OF 32	

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3 J2-D*	17 6				.25 .22	YES NO		4	
A 225	2		J2-1* K15-9	6 46				.22 .25	NO YES		 3	
A 226	2		K15-8 K18-7	46 54				.25 .25	YES YES		3 3	
A 227	2		K15-11 K18-10	46 54				.25 .25	YES YES		3 3	
A 228	2		K15-12 J2-G*	46 6				.25 .22	YES NO		3	
A 229	2		K15-14 K18-13	46 54				.25 .25	YES YES		3 3	
A 230	2		K15-15 J2-F*	46 6				.25 .22	YES NO		3	
A 231	2		K15-17 K18-16	46 54				.25 .25	YES YES		3 3	
A 233	2		TB1-28 S8SW2-NC	43 28				.25 .25	YES YES		 4	
A 234	2		TB1-28 K21-1	43 15				.25 .25	YES YES		 4	
A 235	2		K17-1 K21-1	51 15				.25 .25	YES YES		3	
A 236	2		K17-1 K18-1	51 54				.25 .25	YES YES		 3	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 24 OF 32	

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3 TB1-22	54 48				.25 .25	YES YES		3	
A 238	2		K19-1 TB1-22	19 48				.25 .25	YES YES		4	
A 239	2		K19-5 TB1-24	19 42				.25 .25	YES YES		4	
A 240	2		TB1-23 S8SW1-NO	42 26				.25 .25	YES YES		 4	
A 241	2		TB1-23 K18-4	42 54				.25 .25	YES YES		 3	
A 242	2		S8SW1-NC K19-8	28 19				.25 .25	YES YES		4 4	
A 243	2		S8SW2-C TB1-21	28 47				.25 .25	YES YES		4	
A 244	2		K19-7 TB1-21	19 47				.25 .25	YES YES		4	
A 245	2		K19-7 K18-19	19 54				.25 .25	YES YES		 3	
A 246	2		J2-3* K17-6	6 51				.22 .25	NO YES		 3	
A 247	2		J2-C* K17-3	6 51				.22 .25	NO YES		 3	
A 248	2		XDS8-D K17-6	29 51				.25 .25	YES YES		4	

SIZE	CODE IDENT NO.			
A	99974	2900799		
SCALE-NONE	REV LTR	D	SHEET 25 OF 32	

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A* K17-9	6 51				.22 .25	NO YES		 3	
A 250	2		J2-Z K17-12	6 51				.22 .25	NO YES		 3	
A 251	2		J2-X K17-15	6 51				.22 .25	NO YES		 3	
A 252	2		J2-W K17-18	6 51				.22 .25	NO YES		 3	
A 253	2		J2-T K18-6	6 54				.22 .25	NO YES		 3	
A 254	2		J2-S K18-9	6 54				.22 .25	NO YES		 3	
A 255	2		J2-P K18-12	6 54				.22 .25	NO YES		 3	
A 256	2		J2-N K18-15	6 54				.22 .25	NO YES		 3	
A 257	2		J2-M K21-3	6 15				.22 .25	NO YES		 4	
A 258	2		J2-L TB1-27	6 43				.22 .25	NO YES			
A 259	2		E1 J1-C	9 5				.25 .22	NO YES			
A 260	2		E1 J1-B	9 5				.25 .22	NO YES			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5 TB1-1	18 52				.22 .25	YES YES			
A 262	2		TB1-29 K5-7	44 3				.22 .25	YES YES		 3	
A 263	2		J1-U K2-2	5 2				.22 .25	NO YES			
A 264	2		XDS4-G K6-18	30 4				.25 .25	YES YES		 3	
A 265	2		K1-20 K23-19	1 57				.25 .25	YES YES		3 3	
A 266	2		K1-17 K23-16	1 57				.25 .25	YES YES		3 3	
A 267	2		K1-14 K23-13	1 57				.25 .25	YES YES		3 3	
A 268	2		K1-11 K23-10	1 57				.25 .25	YES YES		3 3	
A 269	2		K23-19 K25-19	57 59				.25 .25	YES YES		 3	
A 270	2		K23-16 K25-16	57 59				.25 .25	YES YES		 3	
A 271	2		K23-13 K25-13	57 59				.25 .25	YES YES		 3	
A 272	2		K23-10 K25-10	57 59				.25 .25	YES YES		 3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	2		K23-16 K14-19	57 45				.25 .25	YES YES		3	
A 274	2		K23-15 K14-16	57 45				.25 .25	YES YES		3	
A 275	2		K23-12 K14-13	57 45				.25 .25	YES YES		3	
A 276	2		K23-9 K14-10	57 45				.25 .25	YES YES		3	
A 277	2		K25-18 J2-F	59 6				.25 .22	YES NO		3	
A 278	2		K25-15 J2-G	59 6				.25 .22	YES NO		3	
A 279	2		K25-12 J2-J	59 6				.25 .22	YES NO		3	
A 280	2		K25-9 J2-K	59 6				.25 .22	YES NO		3	
A 281	2		K2-17 K24-16	2 58				.25 .25	YES YES		3 3	
A 282	2		K2-14 K24-13	2 58				.25 .25	YES YES		3 3	
A 283	2		K2-11 K24-10	2 58				.25 .25	YES YES		3 3	
A 284	2		K2-8 K24-7	2 58				.25 .25	YES YES		3 3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	2		K24-16 K26-16	58 55				.25 .25	YES YES		 3	
A 286	2		K24-13 K26-13	58 55				.25 .25	YES YES		 3	
A 287	2		K24-10 K26-10	58 55				.25 .25	YES YES		 3	
A 288	2		K24-7 K26-7	58 55				.25 .25	YES YES		 3	
A 289	2		K24-15 K15-16	58 46				.25 .25	YES YES		3	
A 290	2		K24-12 K25-13	58 46				.25 .25	YES YES		3	
A 291	2		K24-9 K15-10	58 46				.25 .25	YES YES		3	
A 292	2		K24-6 K15-7	58 46				.25 .25	YES YES		3	
A 293	2		K26-15 J1-T	55 5				.25 .22	YES NO		3	
A 294	2		K26-12 J1-S	55 5				.25 .22	YES NO		3	
A 295	2		K26-9 J1-R	55 5				.25 .22	YES NO		3	
A 296	2		K26-6 J1-P	55 5				.25 .22	YES NO		3	

WIRING HARNESS A

2900799 E ~~D~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	2		K25-7	59				.25	YES		3	
			K26-19	55				.25	YES		3	
A 298	2		K23-7	57				.25	YES		3	
			K24-4	58				.25	YES		3	
A 299	2		~~K24-6~~ K23-6	~~58~~ 57				.25	YES		3	
			XDS9-A	36				.25	YES		4	
A 300	2		K24-1	58				.25	YES		3	
			K23-1	57				.25	YES			
A 301	2		K23-1	57				.25	YES		3	
			K21-4	15				.25	YES		4	
A 302	2		K21-6	15				.25	YES		4	
			K20-6	17				.25	YES		4	
A 303	2		K20-4	17				.25	YES		4	
			S9Sw1-NO	35				.25	YES		4	
A 304	2		XDS9-G	36				.25	YES		4	
			K24-2	58				.25	YES		3	
A 305	2		K24-2	58				.25	YES			
			K23-2	57				.25	YES		3	
A 306	2		K23-2	57				.25	YES			
			XDS1-G	34				.25	YES			
A 307	2		S9Sw1-C	35				.25	YES		4	
			S10Sw1-C	38				.25	YES		4	
A 308	2		K26-18	55				.25	YES		3	
			XDS10-A	37				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR E ~~D~~	SHEET 30 OF 32

WIRING HARNESS A

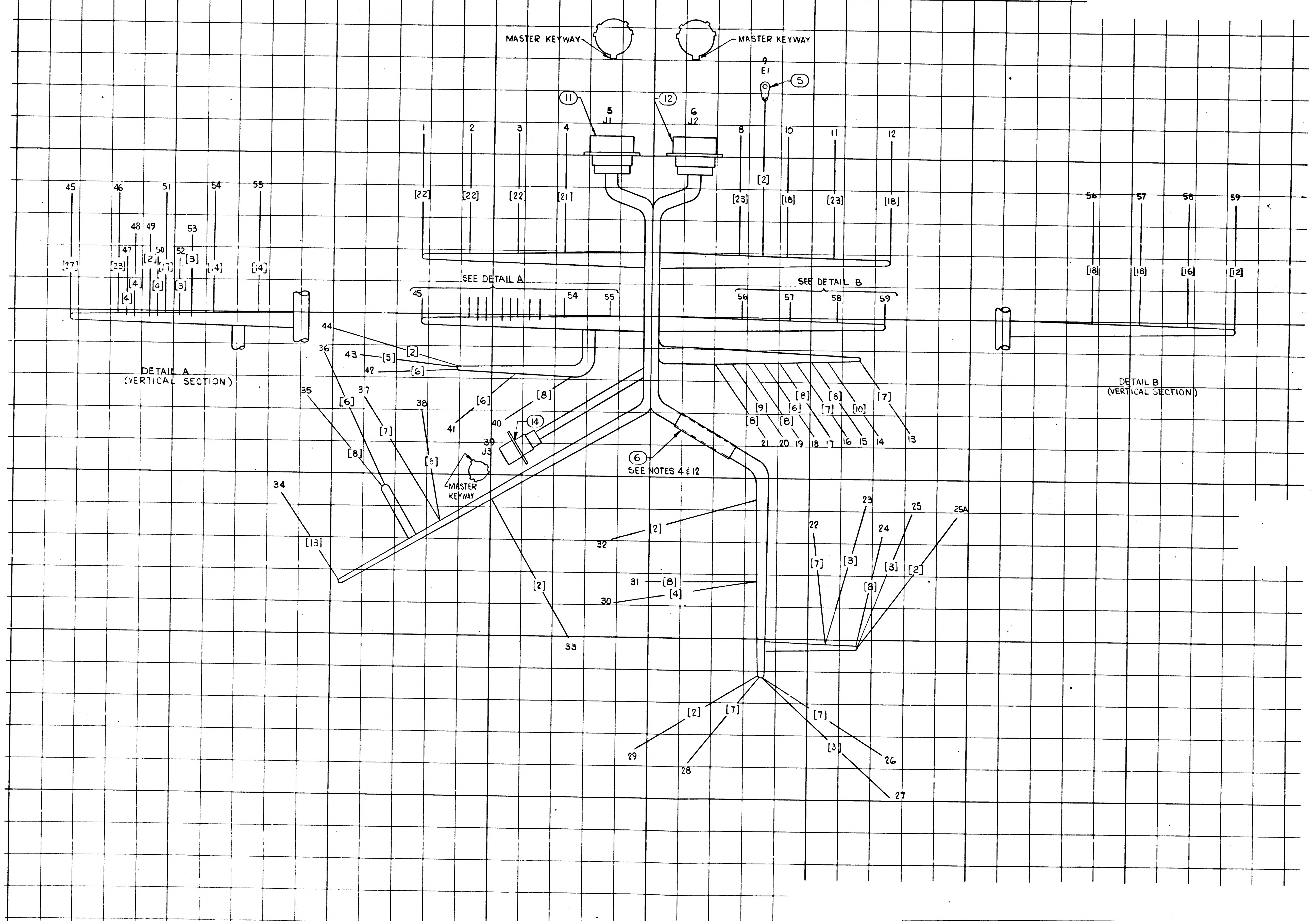
2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 309	2		S10Sw1-NO	38				.25	YES		4	
			K26-1	55				.25	YES		3	
A 310	2		K26-1	55				.25	YES			
			K25-1	59				.25	YES		3	
A 311	2		XDS10-G	37				.25	YES		4	
			K26-2	55				.25	YES		3	
A 312	2		K26-2	55				.25	YES			
			K25-2	59				.25	YES		3	
A 313	2		S10Sw1-C	38				.25	YES			
			XDS1-C	34				.25	YES			
A 314	2		XDS9-G	36				.25	YES			
			XDS10-G	37				.25	YES			
A 315	1				2.00						13	
					2.00						13	
A 315L			J1-K	5				.22	NO		5	
			J5	25A				.25	YES			
A 315R			J1-J	5				.22	NO			
			J4	25A				.25	YES			
A 316	2		S10SW1-NO	38				.25	YES			
			K25-6	59				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR 0	SHEET 31 OF 32

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD.
		CHG NO.		

SEE SHEET 1 FOR REVISION RECORD



MASTER KEYWAY
MASTER KEYWAY
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MASTER KEYWAY
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NEXT ASSY	USED ON	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ± DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS DRAWN C. HOLDE DATE 3 SEP 65 CHECKED [illegible] 3 SEP 65 APPROVAL C. MITTON 23 SEP 65 APPROVAL M[illegible]	MANNED SPACECRAFT CENTER HOUSTON, TEXAS WIRING HARNESS A
APPLICATION		MATERIAL —	NASA APPROVAL MIT APPROVAL [illegible]	CODE IDENT NO 99974 SIZE E 2900799
		CONTRACT NAS 9-497		SCALE FULL SHEET 32 OF 32

2900799 E

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011	C	① REPLACES REVISION B WITH CHANGE PER TDRR 24851	15 NOV 65	Taticek WK
		D	REVISED PER TDRR 25400	28 JAN 66	RLP
		E	REVISED PER TDRR 25709	10 FEB 66	B
		F	REVISED PER TDRR 25844	14 FEB 66	DKD W.D.

Charleston
8 Nov. 65

REV	D	D	D	D	D	D	D	D	D	E	D	F
SHEET	21	22	23	24	25	26	27	28	29	30	31	32

REV STATUS OF SHEETS																				
REV	F	D	D	F	D	D	F	D	F	D	D	D	D	D	D	D	D	D	D	D
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGNE DATE 15 SEP 65
CHECKED C. PIOJIDA 23 SEP 65
APPROVAL J. MITTON 23 SEP 65
APPROVAL J. M. Watson 11-29-65

WIRING HARNESS A

NASA APPROVAL A. C. METZGER
MIT APPROVAL 22 Feb
CONTRACT NAS 9-497

CODE IDENT NO.	SIZE		REV
99974	A	2900799	F

SCALE NONE

SHEET 1 OF 32

WIRING HARNESS A 2900799 D

NOTE NUMBER GENERAL NOTES DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 SPOT TIE HARNESS USING ITEM 7.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.

9 APPLY LEAD IDENTIFICATIONS PER ND1002019.

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8, OR ITEMS 9 AND 10.

11 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.

14 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

15 ASSEMBLE PER ND1002032

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 2 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

NOTE NUMBER GENERAL NOTES DESCRIPTION

16 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 3 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 F

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002181 TYPE II, CLASS 1, T2, 22AWG WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	273	1015864-105	INSULATION SLEEVING
7	4	110	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MS18034-4	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	10	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR F
SHEET 4 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	2		J1-HH	5				.22	NO			
				XF1-1	33				.25	YES		3	
A	2	2		J1-GG	5				.22	NO			
				S1SW2-C	34				.25	YES		4	
A	3	2		S1SW1-C	34				.25	YES		4	
				XF1-2	33				.25	YES		3	
A	4	2		J1-FF	5				.22	NO			
				S1SW3-C	34				.25	YES		4	
A	5	2		J1-EE	5				.22	NO			
				XF2-1	32				.25	YES		3	
A	6	2		S1SW4-C	34				.25	YES		4	
				XF2-2	32				.25	YES		3	
A	7	2		J1-DD	5				.22	NO			
				S1SW4-NO	34				.25	YES		4	
A	8	2		J1-CC	5				.22	NO			
				S1SW3-NO	34				.25	YES		4	
A	9	2		S1SW4-NO	34				.25	YES			
				J3-B	39				.22	NO			
A	10	2		S1SW3-NO	34				.25	YES			
				J3-A	39				.22	NO			
A	11	2		K1-1	1				.25	YES		3	
				K2-1	2				.25	YES		3	
A	12	2		K1-2	1				.25	YES		3	
				K2-2	2				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 5 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	38				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	38				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 6 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NO	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34			DELETED									
A 35	2		S1SW2-NO	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR F	SHEET 7 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38	2		K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	56				.25	YES		3	
			K21-5	15				.25	YES			
A 41	2		K22-2	56				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 8 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58			DELETED									
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR F	SHEET 9 OF 32

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4	8				.25	YES		3	
			K5-4	3				.25	YES			
A 62	2		K8-4	8				.25	YES			
			K11-4	11				.25	YES		3	
A 63	2		K14-4	45				.25	YES		3	
			K11-4	11				.25	YES			
A 64	2		K14-4	45				.25	YES			
			K17-4	51				.25	YES		3	
A 65	2		K3-5	20				.25	YES		4	
			TB1-4	40				.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C	39				.22	NO			
			K2-10	2				.25	YES		3	
A 66R			J3-D	39				.22	NO			
			K2-7	2				.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E	39				.22	NO			
			K2-16	2				.25	YES		3	
A 67R			J3-F	39				.22	NO			
			K2-13	2				.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 10 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G	39				.22	NO			
			K1-16	1				.25	YES		3	
A 68R			J3-H	39				.22	NO			
			K1-19	1				.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J	39				.22	NO			
			K1-10	1				.25	YES		3	
A 69R			J3-K	39				.22	NO			
			K1-13	1				.25	YES		3	
A 70	2		K1-2	1				.25	YES			
			TB1-30	44				.25	YES			
A 71	2		S3SW1-NC	38				.25	YES		4	
			K22-19	56				.25	YES		3	
A 72	2		S3SW1-NO	38				.25	YES		4	
			K22-16	56				.25	YES		3	
A 73	2		K1-18	1				.25	YES		3	
			K22-5	56				.25	YES		3	
A 74	2		K1-15	1				.25	YES		3	
			K22-8	56				.25	YES		3	
A 75	2		K1-12	1				.25	YES		3	
			K22-11	56				.25	YES		3	
A 76	2		K1-9	1				.25	YES		3	
			K22-14	56				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 11 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-18	1				.25	YES			
			K5-19	3				.25	YES		3	
A 78	2		K1-15	1				.25	YES			
			K5-16	3				.25	YES		3	
A 79	2		K1-12	1				.25	YES			
			K5-13	3				.25	YES		3	
A 80	2		K1-9	1				.25	YES			
			K5-10	3				.25	YES		3	
A 81	2		K2-15	2				.25	YES		3	
			K22-12	56				.25	YES		3	
A 82	2		K2-12	2				.25	YES		3	
			K22-9	56				.25	YES		3	
A 83	2		K2-9	2				.25	YES		3	
			K22-6	56				.25	YES		3	
A 84	2		K2-6	2				.25	YES		3	
			K22-3	56				.25	YES		3	
A 85	2		K2-15	2				.25	YES			
			K6-16	4				.25	YES		3	
A 86	2		K2-12	2				.25	YES			
			K6-13	4				.25	YES		3	
A 87	2		K2-9	2				.25	YES			
			K6-10	4				.25	YES		3	
A 88	2		K2-6	2				.25	YES			
			K6-7	4				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 12 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K3-2	20				.25	YES		3	
			XDS2-A	36				.25	YES		4	
A 91	2		K22-20	56				.25	YES		3	
			XDS3-A	37				.25	YES		4	
A 92	2		K22-15	56				.25	YES		3	
			XDS3-C	37				.25	YES		4	
A 93	2		K22-4	56				.25	YES		3	
			J1-BB	5				.22	NO			
A 94	2		K22-7	56				.25	YES		3	
			J1-AA	5				.22	NO			
A 95	2		K22-10	56				.25	YES		3	
			J1-Z*	5				.22	NO			
A 96	2		K22-13	56				.25	YES		3	
			J1-Y*	5				.22	NO			
A 97	2		K5-1	3				.25	YES		3	
			K6-1	4				.25	YES		3	
A 98	2		S4SW2-NC	31				.25	YES		4	
			K6-1	4				.25	YES			
A 99	2		K1-7	1				.25	YES		3	
			K20-8	17				.25	YES		4	
A 100	2		K21-8	15				.25	YES		4	
			K20-8	17				.25	YES			
A 101	2		K5-3	3				.25	YES		3	
			J1-X*	5				.22	NO			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 13 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-6	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	8				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-R*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 14 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	31				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 15 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 16 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 17 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 18 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-6	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 19 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 20 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 21 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18	46				.25	YES			
			K20-1	17				.25	YES		4	
A 201	2		K16-1	21				.25	YES		4	
			TB1-18	48				.25	YES			
A 202	2		K15-3	46				.25	YES		3	
			TB1-18	48				.25	YES			
A 203	2		K16-5	21				.25	YES			
			TB1-20	42				.25	YES			
A 204	2		S7SW1-NO	26				.25	YES		4	
			TB1-19	42				.25	YES			
A 205	2		K15-4	46				.25	YES		3	
			TB1-19	42				.25	YES			
A 206	2		K16-7	21				.25	YES		4	
			TB1-17	47				.25	YES			
A 207	2		K16-7	21				.25	YES			
			K15-19	46				.25	YES		3	
A 208	2		S7SW2-C	26				.25	YES		4	
			TB1-17	47				.25	YES			
A 209	2		J2-S*	6				.22	NO			
			K14-6	45				.25	YES		3	
A 210	2		XDS7-D	27				.25	YES		4	
			K14-6	45				.25	YES			
A 211	2		K14-3	45				.25	YES		3	
			J2-T*	6				.22	NO			

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 22 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8	45				.25	YES		3	
			K17-7	51				.25	YES		3	
A 213	2		K14-9	45				.25	YES		3	
			J2-R*	6				.22	NO			
A 214	2		K14-11	45				.25	YES		3	
			K17-10	51				.25	YES		3	
A 215	2		K14-12	45				.25	YES		3	
			J2-Q*	6				.22	NO			
A 216	2		K14-14	45				.25	YES		3	
			K17-13	51				.25	YES		3	
A 217	2		K14-15	45				.25	YES		3	
			J2-N*	6				.22	NO			
A 218	2		K14-17	45				.25	YES		3	
			K17-16	51				.25	YES		3	
A 219	2		K14-18	45				.25	YES		3	
			J2-M*	6				.22	NO			
A 220	2		K14-20	45				.25	YES		3	
			K17-19	51				.25	YES		3	
A 221	2		K16-8	21				.25	YES		4	
			K19-2	19				.25	YES		4	
A 222	2		S7SW1-NC	26				.25	YES		4	
			S8SW1-C	28				.25	YES		4	
A 223	2		J2-J*	6				.22	NO			
			K15-6	46				.25	YES		3	

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 23 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3	17				.25	YES		4	
			J2-D*	6				.22	NO			
A 225	2		J2-I*	6				.22	NO			
			K15-9	46				.25	YES		3	
A 226	2		K15-8	46				.25	YES		3	
			K18-7	54				.25	YES		3	
A 227	2		K15-11	46				.25	YES		3	
			K18-10	54				.25	YES		3	
A 228	2		K15-12	46				.25	YES		3	
			J2-G*	6				.22	NO			
A 229	2		K15-14	46				.25	YES		3	
			K18-13	54				.25	YES		3	
A 230	2		K15-15	46				.25	YES		3	
			J2-F*	6				.22	NO			
A 231	2		K15-17	46				.25	YES		3	
			K18-16	54				.25	YES		3	
A 233	2		TB1-28	43				.25	YES			
			S8SW2-NC	28				.25	YES		4	
A 234	2		TB1-28	43				.25	YES			
			K21-1	15				.25	YES		4	
A 235	2		K17-1	51				.25	YES		3	
			K21-1	15				.25	YES			
A 236	2		K17-1	51				.25	YES			
			K18-1	54				.25	YES		3	

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 24 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3	54				.25	YES		3	
			TB1-22	48				.25	YES			
A 238	2		K19-1	19				.25	YES		4	
			TB1-22	48				.25	YES			
A 239	2		K19-5	19				.25	YES		4	
			TB1-24	42				.25	YES			
A 240	2		TB1-23	42				.25	YES			
			S8SW1-NO	28				.25	YES		4	
A 241	2		TB1-23	42				.25	YES			
			K18-4	54				.25	YES		3	
A 242	2		S8SW1-NC	28				.25	YES		4	
			K19-8	19				.25	YES		4	
A 243	2		S8SW2-C	28				.25	YES		4	
			TB1-21	47				.25	YES			
A 244	2		K19-7	19				.25	YES		4	
			TB1-21	47				.25	YES			
A 245	2		K19-7	19				.25	YES			
			K18-19	54				.25	YES		3	
A 246	2		J2-B*	6				.22	NO			
			K17-6	51				.25	YES		3	
A 247	2		J2-C*	6				.22	NO			
			K17-3	51				.25	YES		3	
A 248	2		XDS8-D	29				.25	YES		4	
			K17-6	51				.25	YES			

SIZE A | CODE IDENT NO. 99974 | 2900799
SCALE-NONE | REV LTR D | SHEET 25 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A*	6				.22	NO			
			K17-9	51				.25	YES		3	
A 250	2		J2-Z	6				.22	NO			
			K17-12	51				.25	YES		3	
A 251	2		J2-X	6				.22	NO			
			K17-15	51				.25	YES		3	
A 252	2		J2-W	6				.22	NO			
			K17-18	51				.25	YES		3	
A 253	2		J2-T	6				.22	NO			
			K18-6	54				.25	YES		3	
A 254	2		J2-S	6				.22	NO			
			K18-9	54				.25	YES		3	
A 255	2		J2-P	6				.22	NO			
			K18-12	54				.25	YES		3	
A 256	2		J2-N	6				.22	NO			
			K18-15	54				.25	YES		3	
A 257	2		J2-M	6				.22	NO			
			K21-3	15				.25	YES		4	
A 258	2		J2-L	6				.22	NO			
			TB1-27	43				.25	YES			
A 259	2		E1	9				.25	NO			
			J1-C	5				.22	YES			
A 260	2		E1	9				.25	NO			
			J1-B	5				.22	YES			

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 26 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5	18				.22	YES			
			TB1-1	52				.25	YES			
A 262	2		TB1-29	44				.22	YES			
			K5-7	3				.25	YES		3	
A 263	2		J1-U	5				.22	NO			
			K2-2	2				.25	YES			
A 264	2		XDS4-G	30				.25	YES			
			K6-18	4				.25	YES		3	
A 265	2		K1-20	1				.25	YES		3	
			K23-19	57				.25	YES		3	
A 266	2		K1-17	1				.25	YES		3	
			K23-16	57				.25	YES		3	
A 267	2		K1-14	1				.25	YES		3	
			K23-13	57				.25	YES		3	
A 268	2		K1-11	1				.25	YES		3	
			K23-10	57				.25	YES		3	
A 269	2		K23-19	57				.25	YES			
			K25-19	59				.25	YES		3	
A 270	2		K23-16	57				.25	YES			
			K25-16	59				.25	YES		3	
A 271	2		K23-13	57				.25	YES			
			K25-13	59				.25	YES		3	
A 272	2		K23-10	57				.25	YES			
			K25-10	59				.25	YES		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 27 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	2		K23-18	57				.25	YES		3	
			K14-19	45				.25	YES			
A 274	2		K23-15	57				.25	YES		3	
			K14-16	45				.25	YES			
A 275	2		K23-12	57				.25	YES		3	
			K14-13	45				.25	YES			
A 276	2		K23-9	57				.25	YES		3	
			K14-10	45				.25	YES			
A 277	2		K25-18	59				.25	YES		3	
			J2-F	6				.22	NO			
A 278	2		K25-15	59				.25	YES		3	
			J2-G	6				.22	NO			
A 279	2		K25-12	59				.25	YES		3	
			J2-J	6				.22	NO			
A 280	2		K25-9	59				.25	YES		3	
			J2-K	6				.22	NO			
A 281	2		K2-17	2				.25	YES		3	
			K24-16	58				.25	YES		3	
A 282	2		K2-14	2				.25	YES		3	
			K24-13	58				.25	YES		3	
A 283	2		K2-11	2				.25	YES		3	
			K24-10	58				.25	YES		3	
A 284	2		K2-8	2				.25	YES		3	
			K24-7	58				.25	YES		3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 28 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	2		K24-16	58				.25	YES			
			K26-16	55				.25	YES		3	
A 286	2		K24-13	58				.25	YES			
			K26-13	55				.25	YES		3	
A 287	2		K24-10	58				.25	YES			
			K26-10	55				.25	YES		3	
A 288	2		K24-7	58				.25	YES			
			K26-7	55				.25	YES		3	
A 289	2		K24-15	58				.25	YES		3	
			K15-16	46				.25	YES			
A 290	2		K24-12	58				.25	YES		3	
			K25-13	46				.25	YES			
A 291	2		K24-9	58				.25	YES		3	
			K15-10	46				.25	YES			
A 292	2		K24-6	58				.25	YES		3	
			K15-7	46				.25	YES			
A 293	2		K26-15	55				.25	YES		3	
			J1-T	5				.22	NO			
A 294	2		K26-12	55				.25	YES		3	
			J1-S	5				.22	NO			
A 295	2		K26-9	55				.25	YES		3	
			J1-R	5				.22	NO			
A 296	2		K26-6	55				.25	YES		3	
			J1-P	5				.22	NO			

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR	D	SHEET 29 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 E

LEAD IDENT	WIRE, MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	2		K25-7	59				.25	YES		3	
			K26-19	55				.25	YES		3	
A 298	2		K23-7	57				.25	YES		3	
			K24-4	58				.25	YES		3	
A 299	2		K23-6	57				.25	YES		3	
			XDS9-A	36				.25	YES		4	
A 300	2		K24-1	58				.25	YES		3	
			K23-1	57				.25	YES			
A 301	2		K23-1	57				.25	YES		3	
			K21-4	15				.25	YES		4	
A 302	2		K21-6	15				.25	YES		4	
			K20-6	17				.25	YES		4	
A 303	2		K20-4	17				.25	YES		4	
			S9SW1-NO	35				.25	YES		4	
A 304	2		XDS9-G	36				.25	YES		4	
			K24-2	58				.25	YES		3	
A 305	2		K24-2	58				.25	YES			
			K23-2	57				.25	YES		3	
A 306	2		K23-2	57				.25	YES			
			XDS1-G	34				.25	YES			
A 307	2		S9SW1-C	35				.25	YES		4	
			S10SW1-C	38				.25	YES		4	
A 308	2		K26-18	55				.25	YES		3	
			XDS10-A	37				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR E	SHEET 30 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

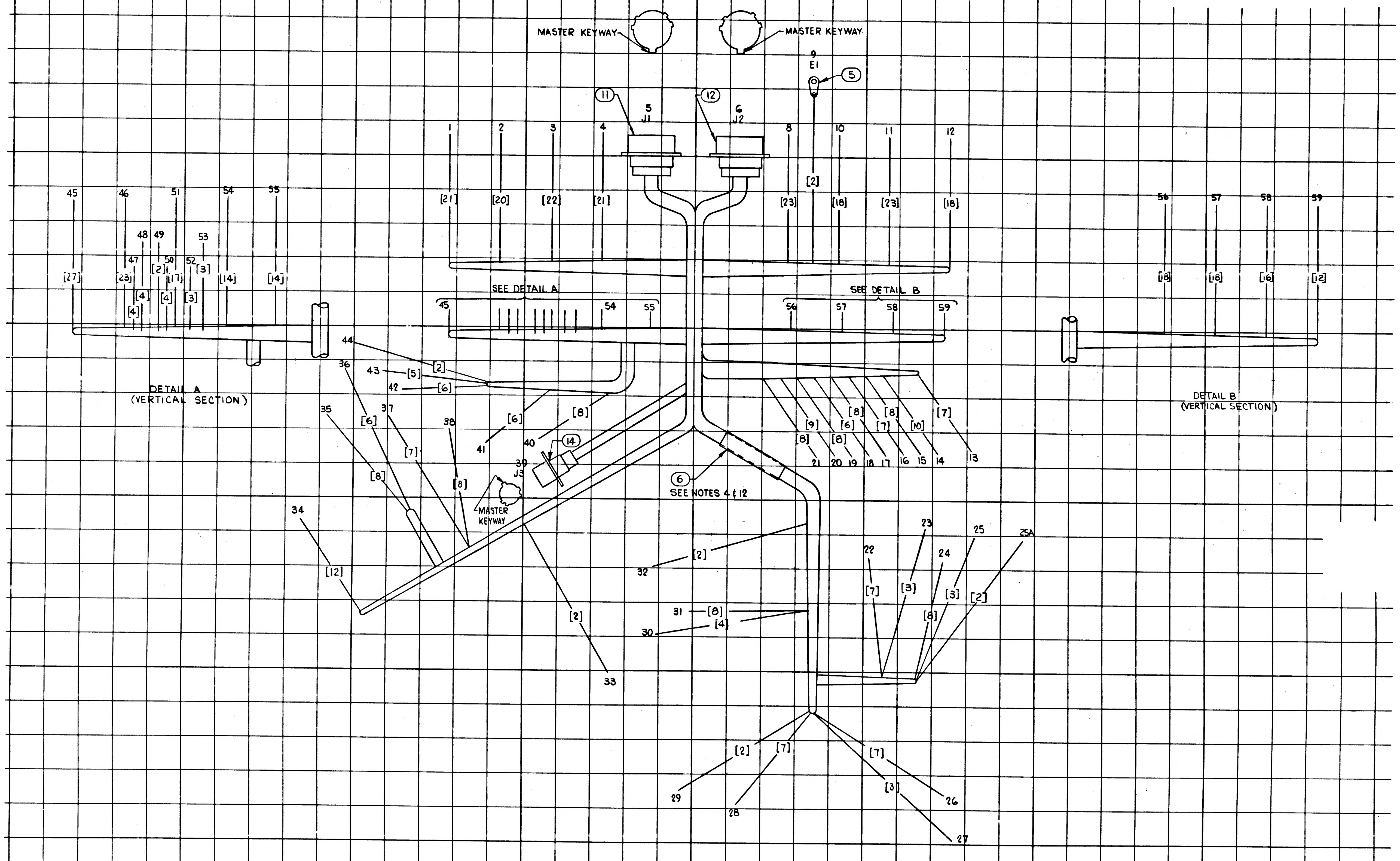
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 309	2		S10SW1-NO	38				.25	YES		4	
			K26-1	55				.25	YES		3	
A 310	2		K26-1	55				.25	YES			
			K25-1	59				.25	YES		3	
A 311	2		XDS10-G	37				.25	YES		4	
			K26-2	55				.25	YES		3	
A 312	2		K26-2	55				.25	YES			
			K25-2	59				.25	YES		3	
A 313	2		S10SW1-C	38				.25	YES			
			XDS1-C	34				.25	YES			
A 314	2		XDS9-G	36				.25	YES			
			XDS10-G	37				.25	YES			
A 315	1				2.00						13	
					2.00						13	
A 315L			J1-K	5				.22	NO		5	
			J5	25A				.25	YES			
A 315R			J1-J	5				.22	NO			
			J4	25A				.25	YES			
A 316	2		S10SW1-NO	38				.25	YES			
			K25-6	59				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 31 OF 32

MIL 2084 9-65

REVISIONS TCRR 2326				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO.		

SEE SHEET 1 FOR REVISION RECORD



MASTER KEYWAY
MASTER KEYWAY
9
E1
5
11
5
J1
12
6
J2
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SEE DETAIL A
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SEE DETAIL B
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59
[18]
[18]
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[12]
44
[2]
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43
[5]
42
[6]
DETAIL A
(VERTICAL SECTION)
35
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37
[7]
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41
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40
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39
J3
[8]
MASTER KEYWAY
6
SEE NOTES 4 & 12
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[8]
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13
DETAIL B
(VERTICAL SECTION)
34
[12]
32
[2]
[2]
33
31
[8]
30
[4]
23
22
24
25
25A
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NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN SAGUE DATE 15SEP65
CHECKED C. PIONDA 23SEP65
APPROVAL J. MITTON 23SEP65
APPROVAL M. Watson
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible] 4/22/65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

WIRING HARNESS A

CODE IDENT NO. 99974
SIZE E
2900799
SCALE FULL
SHEET 32 OF 32

2900799 F

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2900708-011	C	① REPLACES REVISION B WITH CHANGE PER TDRR 24851	15 NOV 65	P. TATICEK WK
		D	REVISED PER TDRR 25400	28 JAN 66	RLP
		E	REVISED PER TDRR 25709	10 FEB 66	B
		F	REVISED PER TDRR 25844	14 FEB 66	DKD WD.
		G	REVISED PER TDRR 27246	23 MAR 66	LK EF

Charleston
8 Nov. 65

REV		D	D	D	D	D	D	D	D	G	E	D	F								
SHEET		21	22	23	24	25	26	27	28	29	30	31	32								
REV STATUS	REV				G	D	D	F	D	D	F	D	F	D	D	D	D	D	D	D	D	D	D
OF SHEETS	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGNE DATE 15 SEP 65
CHECKED C. PIOJIDA 23 SEP 65
APPROVAL W. MILTON 23 SEP 65
APPROVAL J. M. Watson 11-29-65

WIRING HARNESS A

NASA APPROVAL A. C. METZGER
MIT APPROVAL 22 Feb

CODE IDENT NO.	SIZE		REV
99974	A	2900799	G

CONTRACT NAS 9-497

SCALE NONE

SHEET 1 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SPOT TIE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002019.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 8, OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002032

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 2 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 3 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002181 TYPE II, CLASS 1, T2, 22AWG WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	273	1015864-105	INSULATION SLEEVING
7	4	110	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1016128-021	BAND IDENTIFICATION
	7	AR	MS18034-4	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	10	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR F	SHEET 4 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		J1-HH XF1-1	5 33				.22 .25	NO YES		 3	
A 2	2		J1-GG S1SW2-C	5 34				.22 .25	NO YES		 4	
A 3	2		S1SW1-C XF1-2	34 33				.25 .25	YES YES		4 3	
A 4	2		J1-FF S1SW3-C	5 34				.22 .25	NO YES		 4	
A 5	2		J1-EE XF2-1	5 32				.22 .25	NO YES		 3	
A 6	2		S1SW4-C XF2-2	34 32				.25 .25	YES YES		4 3	
A 7	2		J1-DD S1SW4-NO	5 34				.22 .25	NO YES		 4	
A 8	2		J1-CC S1SW3-NO	5 34				.22 .25	NO YES		 4	
A 9	2		S1SW4-NO J3-B	34 39				.25 .22	YES NO			
A 10	2		S1SW3-NO J3-A	34 39				.25 .22	YES NO			
A 11	2		K1-1 K2-1	1 2				.25 .25	YES YES		3 3	
A 12	2		K1-2 K2-2	1 2				.25 .25	YES YES		3 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 5 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	38				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	38				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE REV LTR D SHEET 6 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NO	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34			DELETED									
A 35	2		S1SW2-NO	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE REV LTR F SHEET 7 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38	2		K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	56				.25	YES		3	
			K21-5	15				.25	YES			
A 41	2		K22-2	56				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE REV LTR D SHEET 8 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58			DELETED									
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE REV LTR F SHEET 9 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4	8				.25	YES		3	
			K5-4	3				.25	YES			
A 62	2		K8-4	8				.25	YES			
			K11-4	11				.25	YES		3	
A 63	2		K14-4	45				.25	YES		3	
			K11-4	11				.25	YES			
A 64	2		K14-4	45				.25	YES			
			K17-4	51				.25	YES		3	
A 65	2		K3-5	20				.25	YES		4	
			TB1-4	40				.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C	39				.22	NO			
			K2-10	2				.25	YES		3	
A 66R			J3-D	39				.22	NO			
			K2-7	2				.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E	39				.22	NO			
			K2-16	2				.25	YES		3	
A 67R			J3-F	39				.22	NO			
			K2-13	2				.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 10 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G	39				.22	NO			
			K1-16	1				.25	YES		3	
A 68R			J3-H	39				.22	NO			
			K1-19	1				.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J	39				.22	NO			
			K1-10	1				.25	YES		3	
A 69R			J3-K	39				.22	NO			
			K1-13	1				.25	YES		3	
A 70	2		K1-2	1				.25	YES			
			TB1-30	44				.25	YES			
A 71	2		S3SW1-NC	38				.25	YES		4	
			K22-19	56				.25	YES		3	
A 72	2		S3SW1-NO	38				.25	YES		4	
			K22-16	56				.25	YES		3	
A 73	2		K1-18	1				.25	YES		3	
			K22-5	56				.25	YES		3	
A 74	2		K1-15	1				.25	YES		3	
			K22-8	56				.25	YES		3	
A 75	2		K1-12	1				.25	YES		3	
			K22-11	56				.25	YES		3	
A 76	2		K1-9	1				.25	YES		3	
			K22-14	56				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 11 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-18	1				.25	YES			
			K5-19	3				.25	YES		3	
A 78	2		K1-15	1				.25	YES			
			K5-16	3				.25	YES		3	
A 79	2		K1-12	1				.25	YES			
			K5-13	3				.25	YES		3	
A 80	2		K1-9	1				.25	YES			
			K5-10	3				.25	YES		3	
A 81	2		K2-15	2				.25	YES		3	
			K22-12	56				.25	YES		3	
A 82	2		K2-12	2				.25	YES		3	
			K22-9	56				.25	YES		3	
A 83	2		K2-9	2				.25	YES		3	
			K22-6	56				.25	YES		3	
A 84	2		K2-6	2				.25	YES		3	
			K22-3	56				.25	YES		3	
A 85	2		K2-15	2				.25	YES			
			K6-16	4				.25	YES		3	
A 86	2		K2-12	2				.25	YES			
			K6-13	4				.25	YES		3	
A 87	2		K2-9	2				.25	YES			
			K6-10	4				.25	YES		3	
A 88	2		K2-6	2				.25	YES			
			K6-7	4				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 12 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K3-2	20				.25	YES		3	
			XDS2-A	36				.25	YES		4	
A 91	2		K22-20	56				.25	YES		3	
			XDS3-A	37				.25	YES		4	
A 92	2		K22-15	56				.25	YES		3	
			XDS3-C	37				.25	YES		4	
A 93	2		K22-4	56				.25	YES		3	
			J1-BB	5				.22	NO			
A 94	2		K22-7	56				.25	YES		3	
			J1-AA	5				.22	NO			
A 95	2		K22-10	56				.25	YES		3	
			J1-Z*	5				.22	NO			
A 96	2		K22-13	56				.25	YES		3	
			J1-Y*	5				.22	NO			
A 97	2		K5-1	3				.25	YES		3	
			K6-1	4				.25	YES		3	
A 98	2		S4SW2-NC	31				.25	YES		4	
			K6-1	4				.25	YES			
A 99	2		K1-7	1				.25	YES		3	
			K20-8	17				.25	YES		4	
A 100	2		K21-8	15				.25	YES		4	
			K20-8	17				.25	YES			
A 101	2		K5-3	3				.25	YES		3	
			J1-X*	5				.22	NO			

SIZE A.	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 13 OF 32

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-6	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	8				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-R*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 14 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	31				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 15 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 16 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 17 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 18 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-6	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 19 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		K12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 20 OF 32

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WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 21 OF 32

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18	46				.25	YES			
			K20-1	17				.25	YES		4	
A 201	2		K16-1	21				.25	YES		4	
			TB1-18	48				.25	YES			
A 202	2		K15-3	46				.25	YES		3	
			TB1-18	48				.25	YES			
A 203	2		K16-5	21				.25	YES			
			TB1-20	42				.25	YES			
A 204	2		S7SW1-NO	26				.25	YES		4	
			TB1-19	42				.25	YES			
A 205	2		K15-4	46				.25	YES		3	
			TB1-19	42				.25	YES			
A 206	2		K16-7	21				.25	YES		4	
			TB1-17	47				.25	YES			
A 207	2		K16-7	21				.25	YES			
			K15-19	46				.25	YES		3	
A 208	2		S7SW2-C	26				.25	YES		4	
			TB1-17	47				.25	YES			
A 209	2		J2-S*	6				.22	NO			
			K14-6	45				.25	YES		3	
A 210	2		XDS7-D	27				.25	YES		4	
			K14-6	45				.25	YES			
A 211	2		K14-3	45				.25	YES		3	
			J2-T*	6				.22	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8	45				.25	YES		3	
			K17-7	51				.25	YES		3	
A 213	2		K14-9	45				.25	YES		3	
			J2-R*	6				.22	NO			
A 214	2		K14-11	45				.25	YES		3	
			K17-10	51				.25	YES		3	
A 215	2		K14-12	45				.25	YES		3	
			J2-Q*	6				.22	NO			
A 216	2		K14-14	45				.25	YES		3	
			K17-13	51				.25	YES		3	
A 217	2		K14-15	45				.25	YES		3	
			J2-N*	6				.22	NO			
A 218	2		K14-17	45				.25	YES		3	
			K17-16	51				.25	YES		3	
A 219	2		K14-18	45				.25	YES		3	
			J2-M*	6				.22	NO			
A 220	2		K14-20	45				.25	YES		3	
			K17-19	51				.25	YES		3	
A 221	2		K16-8	21				.25	YES		4	
			K19-2	19				.25	YES		4	
A 222	2		S7SW1-NC	26				.25	YES		4	
			S8SW1-C	28				.25	YES		4	
A 223	2		J2-J*	6				.22	NO			
			K15-6	46				.25	YES		3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3	17				.25	YES		4	
			J2-D*	6				.22	NO			
A 225	2		J2-I*	6				.22	NO			
			K15-9	46				.25	YES		3	
A 226	2		K15-8	46				.25	YES		3	
			K18-7	54				.25	YES		3	
A 227	2		K15-11	46				.25	YES		3	
			K18-10	54				.25	YES		3	
A 228	2		K15-12	46				.25	YES		3	
			J2-G*	6				.22	NO			
A 229	2		K15-14	46				.25	YES		3	
			K18-13	54				.25	YES		3	
A 230	2		K15-15	46				.25	YES		3	
			J2-F*	6				.22	NO			
A 231	2		K15-17	46				.25	YES		3	
			K18-16	54				.25	YES		3	
A 233	2		TB1-28	43				.25	YES			
			S8SW2-NC	28				.25	YES		4	
A 234	2		TB1-28	43				.25	YES			
			K21-1	15				.25	YES		4	
A 235	2		K17-1	51				.25	YES		3	
			K21-1	15				.25	YES			
A 236	2		K17-1	51				.25	YES			
			K18-1	54				.25	YES		3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3	54				.25	YES		3	
			TB1-22	48				.25	YES			
A 238	2		K19-1	19				.25	YES		4	
			TB1-22	48				.25	YES			
A 239	2		K19-5	19				.25	YES		4	
			TB1-24	42				.25	YES			
A 240	2		TB1-23	42				.25	YES			
			S8SW1-NO	28				.25	YES		4	
A 241	2		TB1-23	42				.25	YES			
			K18-4	54				.25	YES		3	
A 242	2		S8SW1-NC	28				.25	YES		4	
			K19-8	19				.25	YES		4	
A 243	2		S8SW2-C	28				.25	YES		4	
			TB1-21	47				.25	YES			
A 244	2		K19-7	19				.25	YES		4	
			TB1-21	47				.25	YES			
A 245	2		K19-7	19				.25	YES			
			K18-19	54				.25	YES		3	
A 246	2		J2-B*	6				.22	NO			
			K17-6	51				.25	YES		3	
A 247	2		J2-C*	6				.22	NO			
			K17-3	51				.25	YES		3	
A 248	2		XDS8-D	29				.25	YES		4	
			K17-6	51				.25	YES			

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A* K17-9	6 51				.22 .25	NO YES		3	
A 250	2		J2-Z K17-12	6 51				.22 .25	NO YES		3	
A 251	2		J2-X K17-15	6 51				.22 .25	NO YES		3	
A 252	2		J2-W K17-18	6 51				.22 .25	NO YES		3	
A 253	2		J2-T K18-6	6 54				.22 .25	NO YES		3	
A 254	2		J2-S K18-9	6 54				.22 .25	NO YES		3	
A 255	2		J2-P K18-12	6 54				.22 .25	NO YES		3	
A 256	2		J2-N K18-15	6 54				.22 .25	NO YES		3	
A 257	2		J2-M K21-3	6 15				.22 .25	NO YES		4	
A 258	2		J2-L TB1-27	6 43				.22 .25	NO YES			
A 259	2		E1 J1-C	9 5				.25 .22	NO YES			
A 260	2		E1 J1-B	9 5				.25 .22	NO YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 26 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5 TB1-1	18 52				.22 .25	YES YES			
A 262	2		TB1-29 K5-7	44 3				.22 .25	YES YES		3	
A 263	2		J1-U K2-2	5 2				.22 .25	NO YES			
A 264	2		XDS4-G K6-18	30 4				.25 .25	YES YES		3	
A 265	2		K1-20 K23-19	1 57				.25 .25	YES YES		3 3	
A 266	2		K1-17 K23-16	1 57				.25 .25	YES YES		3 3	
A 267	2		K1-14 K23-13	1 57				.25 .25	YES YES		3 3	
A 268	2		K1-11 K23-10	1 57				.25 .25	YES YES		3 3	
A 269	2		K23-19 K25-19	57 59				.25 .25	YES YES		3	
A 270	2		K23-16 K25-16	57 59				.25 .25	YES YES		3	
A 271	2		K23-13 K25-13	57 59				.25 .25	YES YES		3	
A 272	2		K23-10 K25-10	57 59				.25 .25	YES YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 27 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	2		K23-18 K14-19	57 45				.25 .25	YES YES		3	
A 274	2		K23-15 K14-16	57 45				.25 .25	YES YES		3	
A 275	2		K23-12 K14-13	57 45				.25 .25	YES YES		3	
A 276	2		K23-9 K14-10	57 45				.25 .25	YES YES		3	
A 277	2		K25-18 J2-F	59 6				.25 .22	YES NO		3	
A 278	2		K25-15 J2-G	59 6				.25 .22	YES NO		3	
A 279	2		K25-12 J2-J	59 6				.25 .22	YES NO		3	
A 280	2		K25-9 J2-K	59 6				.25 .22	YES NO		3	
A 281	2		K2-17 K24-16	2 58				.25 .25	YES YES		3 3	
A 282	2		K2-14 K24-13	2 58				.25 .25	YES YES		3 3	
A 283	2		K2-11 K24-10	2 58				.25 .25	YES YES		3 3	
A 284	2		K2-8 K24-7	2 58				.25 .25	YES YES		3 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 28 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	2		K24-16 K26-16	58 55				.25 .25	YES YES		3	
A 286	2		K24-13 K26-13	58 55				.25 .25	YES YES		3	
A 287	2		K24-10 K26-10	58 55				.25 .25	YES YES		3	
A 288	2		K24-7 K26-7	58 55				.25 .25	YES YES		3	
A 289	2		K24-15 K15-16	58 46				.25 .25	YES YES		3	
A 290	2		K24-12 K15-13	58 46				.25 .25	YES YES		3	
A 291	2		K24-9 K15-10	58 46				.25 .25	YES YES		3	
A 292	2		K24-6 K15-7	58 46				.25 .25	YES YES		3	
A 293	2		K26-15 J1-T	55 5				.25 .22	YES NO		3	
A 294	2		K26-12 J1-S	55 5				.25 .22	YES NO		3	
A 295	2		K26-9 J1-R	55 5				.25 .22	YES NO		3	
A 296	2		K26-6 J1-P	55 5				.25 .22	YES NO		3	

SIZE	CODE IDENT NO.	
A.	99974	2900799
SCALE-NONE	REV LTR G	SHEET 29 OF 32

MIL 2084 9-65

WIRING HARNESS A 2900799 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	2		K25-7	59				.25	YES		3	
			K26-19	55				.25	YES		3	
A 298	2		K23-7	57				.25	YES		3	
			K24-4	58				.25	YES		3	
A 299	2		K23-6	57				.25	YES		3	
			XDS9-A	36				.25	YES		4	
A 300	2		K24-1	58				.25	YES		3	
			K23-1	57				.25	YES			
A 301	2		K23-1	57				.25	YES		3	
			K21-4	15				.25	YES		4	
A 302	2		K21-6	15				.25	YES		4	
			K20-6	17				.25	YES		4	
A 303	2		K20-4	17				.25	YES		4	
			S9SW1-NO	35				.25	YES		4	
A 304	2		XDS9-G	36				.25	YES		4	
			K24-2	58				.25	YES		3	
A 305	2		K24-2	58				.25	YES			
			K23-2	57				.25	YES		3	
A 306	2		K23-2	57				.25	YES			
			XDS1-G	34				.25	YES			
A 307	2		S9SW1-C	35				.25	YES		4	
			S10SW1-C	38				.25	YES		4	
A 308	2		K26-18	55				.25	YES		3	
			XDS10-A	37				.25	YES		4	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR E	SHEET 30 OF 32

MIL 2084 9-65

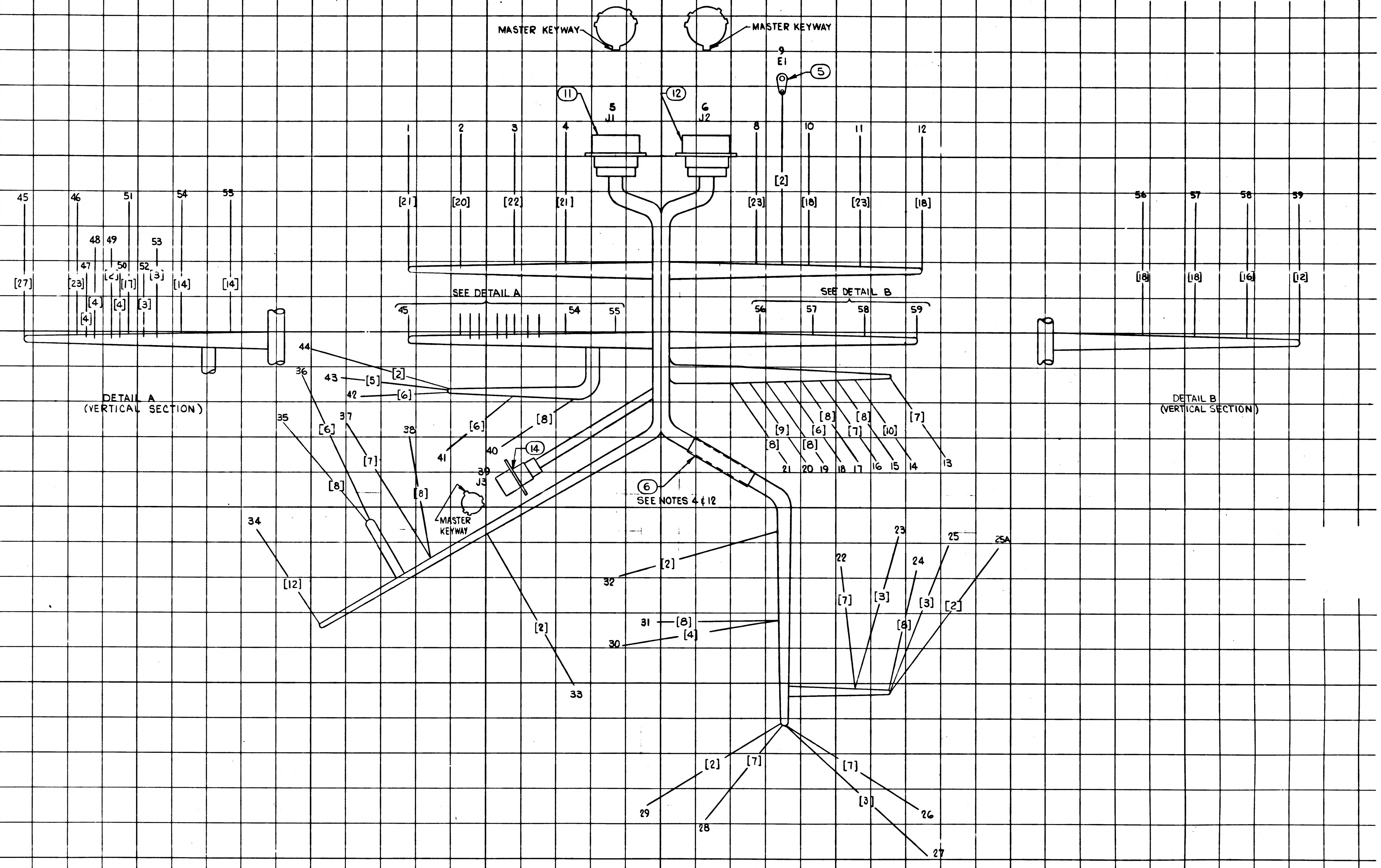
WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 309	2		S10SW1-NO	38				.25	YES		4	
			K26-1	55				.25	YES		3	
A 310	2		K26-1	55				.25	YES			
			K25-1	59				.25	YES		3	
A 311	2		XDS10-G	37				.25	YES		4	
			K26-2	55				.25	YES		3	
A 312	2		K26-2	55				.25	YES			
			K25-2	59				.25	YES		3	
A 313	2		S10SW1-C	38				.25	YES			
			XDS1-C	34				.25	YES			
A 314	2		XDS9-G	36				.25	YES			
			XDS10-G	37				.25	YES			
A 315	1				2.00						13	
					2.00						13	
A 315L			J1-K	5				.22	NO		5	
			J5	25A				.25	YES			
A 315R			J1-J	5				.22	NO			
			J4	25A				.25	YES			
A 316	2		S10SW1-NO	38				.25	YES			
			K25-6	59				.25	YES		3	

SIZE A	CODE IDENT NO. 99974	2900799
SCALE-NONE	REV LTR D	SHEET 31 OF 32

MIL 2084 9-65

REVISIONS				
SYM	ZONE	DESCRIPTION CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD		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		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
		DO NOT SCALE THIS DRAWING	DRAWN SAGUE DATE 13SEP65 CHECKED C. PLOWDA 23SEP65 APPROVAL J. MILTON 23SEP65 APPROVAL M. [illegible]	WIRING HARNESS A		
NEXT ASSY	USED ON	MATERIAL —	NASA APPROVAL A. C. METZGER	CODE IDENT NO. 99974	SIZE E	2900799
APPLICATION		CONTRACT NAS 9-497	MIT APPROVAL [illegible] 22Dec65	SCALE FULL		SHEET 32 OF 32

2900799 F

APPLICATION		REVISIONS 23411			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900770-011	2300708-01	C	① REPLACES REVISION B WITH CHANGE PER TDRR 24551	15 NOV 65	Paticek WK
		D	REVISED PER TDRR 25400	28 JAN 66	RLP
		E	REVISED PER TDRR 25709	10 FEB 66	B
		F	REVISED PER TDRR 25844	14 FEB 66	DMD WD.
		G	REVISED PER TDRR 27246	23 MAR 66	LK EH
		H	REVISED PER TDRR 28047	19 APR	JJJ

Chantelau
3 NOV 65

	REV	D	D	D	D	D	D	D	D	G	E	D	F								
	SHEET	21	22	23	24	25	26	27	28	29	30	31	32								
REV STATUS	REV	H	D	D	H	D	D	F	D	F	D	D	D	D	D	D	D	D	D	D	D
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN S. AGNE DATE 15 SEP 65
CHECKED C. PROJVA 23 SEP 65
APPROVAL J. MUTTON 23 SEP 65
APPROVAL [illegible]

WIRING HARNESS A

NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 22[illegible]

CODE IDENT NO.	SIZE		REV
99974	A	2900799	H

CONTRACT NAS 9-497

SCALE NONE

SHEET 1 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SPOT TIE HARNESS USING ITEM 7.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 7.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE TO THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	NUMBER IN BRACKETS ARE QUANTITIES OF LEADS.
9	APPLY LEAD IDENTIFICATIONS PER ND1002619.
10	SOLDER PER MIL-S-6872 (ES2535-1) USING ITEM 8, OR ITEMS 9 AND 10.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
12	IDENTIFY PER MIL-STD-130 (ES2627) USING PART NUMBER.
13	SPACING OF LEAD IDENTIFICATION SHALL BE EVERY 1.2 INCHES.
14	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
15	ASSEMBLE PER ND1002632

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR D		SHEET 2 OF 32

NOTE NUMBER	GENERAL NOTES DESCRIPTION
16	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR D		SHEET 3 OF 32

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900799-001	WIRE ND1002161 TYPE II, CLASS 1, T2, 22AWG WHT/BLU, WHT/RED TOTAL LENGTH
	2	1	2900799-002	WIRE ND1002161 TYPE 1, CLASS 1, 22 AWG, WHT TOTAL LENGTH
7	3	273	1015864-105	INSULATION SLEEVING
7	4	110	1015864-110	INSULATION SLEEVING
	5	1	MS35431-1	TERMINAL LUG
7	6	1	1015128-021	BAND IDENTIFICATION
	7	AR	1897406-001	STRAP, CABLE, ADJUSTABLE, PLASTIC, TYPE I
	8	AR	SN60WRAP	SOLDER, QQ-S-571(ES2175-3)
	9	AR	MIL-F-14256	TYPE A OR W FLUX(ES2798)
	10	AR	SN60WS	SOLDER, QQ-S-571(ES2175-1)
	11	1	MS3127E22-55P	(1897053-550) CONNECTOR, RECEPTACLE
	12	1	MS3127E22-55PX	(1897053-552) CONNECTOR, RECEPTACLE
7	13	10	1010490-116	INSULATION SLEEVING, HEAT SHRINK
	14	1	MS3127E12-10S	(1897120-100) CONNECTOR, RECEPTACLE

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR H		SHEET 4 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	2		J1-HH XF1-1	5 33				.22 .25	NO YES		 3	
A 2	2		J1-GG S1SW2-C	5 34				.22 .25	NO YES		 4	
A 3	2		S1SW1-C XF1-2	34 33				.25 .25	YES YES		4 3	
A 4	2		J1-FF S1SW3-C	5 34				.22 .25	NO YES		 4	
A 5	2		J1-EE XF2-1	5 32				.22 .25	NO YES		 3	
A 6	2		S1SW4-C XF2-2	34 32				.25 .25	YES YES		4 3	
A 7	2		J1-DD S1SW4-NO	5 34				.22 .25	NO YES		 4	
A 8	2		J1-CC S1SW3-NO	5 34				.22 .25	NO YES		 4	
A 9	2		S1SW4-NO J3-B	34 39				.25 .22	YES NO			
A 10	2		S1SW3-NO J3-A	34 39				.25 .22	YES NO			
A 11	2		K1-1 K2-1	1 2				.25 .25	YES YES		3 3	
A 12	2		K1-2 K2-2	1 2				.25 .25	YES YES		3 3	

SIZE	CODE IDENT NO.		
A	99974	2900799	
SCALE-NONE	REV LTR D		SHEET 5 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	2		K3-7	20				.25	YES		4	
			K2-1	2				.25	YES			
A 14	2		TB1-3	40				.25	YES			
			K3-1	20				.25	YES			
A 15	2		TB1-3	40				.25	YES			
			S2SW1-NC	35				.25	YES		4	
A 16	2		K3-4	20				.25	YES		4	
			K4-7	18				.25	YES		4	
A 17	2		S2SW1-C	35				.25	YES		4	
			K4-1	18				.25	YES			
A 18	2		S2SW2-NO	35				.25	YES		4	
			K4-5	18				.25	YES		4	
A 19	2		S1SW1-NO	34				.25	YES			
			S2SW1-NO	35				.25	YES		4	
A 20	2		S3SW1-C	33				.25	YES		4	
			S2SW1-NO	35				.25	YES			
A 21	2		S3SW1-C	33				.25	YES			
			S4SW2-NO	31				.25	YES		4	
A 22	2		S5SW2-NO	22				.25	YES		4	
			S4SW2-NO	31				.25	YES			
A 23	2		S5SW2-NO	22				.25	YES			
			S6SW2-NO	24				.25	YES		4	
A 24	2		S7SW2-NO	26				.25	YES		4	
			S6SW2-NO	24				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 6 OF 32

WIRING HARNESS A 2900799 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	2		S7SW2-NO	26				.25	YES			
			S8SW2-NO	28				.25	YES		4	
A 26	2		K4-4	18				.25	YES		4	
			S8SW2-NC	28				.25	YES			
A 27	2		K4-4	18				.25	YES			
			K3-8	20				.25	YES		4	
A 28	2		K7-4	16				.25	YES		4	
			K3-8	20				.25	YES			
A 29	2		K7-4	16				.25	YES			
			K10-4	14				.25	YES		4	
A 30	2		K13-4	13				.25	YES		4	
			K10-4	14				.25	YES			
A 31	2		K13-4	14				.25	YES			
			K16-4	21				.25	YES		4	
A 32	2		K19-4	19				.25	YES		4	
			K16-4	21				.25	YES			
A 33	2		K19-4	19				.25	YES			
			K1-8	1				.25	YES		3	
A 34			DELETED									
A 35	2		S1SW2-NO	34				.25	YES			
			S4SW1-C	31				.25	YES		4	
A 36	2		TB1-2	53				.25	YES			
			S4SW1-C	31				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR F	SHEET 7 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	2		TB1-2	53				.25	YES			
			TB1-4	40				.25	YES			
A 38	2		K20-5	17				.25	YES		4	
			TB1-4	40				.25	YES			
A 39	2		K20-5	17				.25	YES			
			K21-5	15				.25	YES		4	
A 40	2		K22-2	56				.25	YES		3	
			K21-5	15				.25	YES			
A 41	2		K22-2	56				.25	YES			
			K5-2	3				.25	YES		3	
A 42	2		K6-2	4				.25	YES		3	
			K5-2	3				.25	YES			
A 43	2		K6-2	4				.25	YES			
			K8-2	8				.25	YES		3	
A 44	2		K9-2	10				.25	YES		3	
			K8-2	8				.25	YES			
A 45	2		K9-2	10				.25	YES			
			K11-2	11				.25	YES		3	
A 46	2		K12-2	12				.25	YES		3	
			K11-2	11				.25	YES			
A 47	2		K12-2	12				.25	YES			
			K14-2	45				.25	YES		3	
A 48	2		K15-2	46				.25	YES		3	
			K14-2	45				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 8 OF 32

WIRING HARNESS A 2900799 F

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	2		K15-2	46				.25	YES			
			K17-2	51				.25	YES		3	
A 50	2		K18-2	54				.25	YES		3	
			K17-2	51				.25	YES			
A 51	2		K18-2	54				.25	YES			
			XDS2-G	36				.25	YES		4	
A 52	2		XDS3-G	37				.25	YES		4	
			XDS2-G	36				.25	YES			
A 53	2		XDS3-G	37				.25	YES			
			XDS4-A	30				.25	YES		4	
A 54	2		XDS5-B	23				.25	YES		4	
			XDS4-B	30				.25	YES		4	
A 55	2		XDS6-A	25				.25	YES		4	
			XDS5-A	23				.25	YES			
A 56	2		XDS7-A	27				.25	YES		4	
			XDS6-B	25				.25	YES			
A 57	2		XDS8-A	29				.25	YES		4	
			XDS7-B	27				.25	YES			
A 58			DELETED									
A 59	2		K3-3	20				.25	YES		4	
			S2SW2-C	35				.25	YES		4	
A 60	2		K3-3	20				.25	YES			
			K5-4	3				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR F	SHEET 9 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		K8-4	8				.25	YES		3	
			K5-4	3				.25	YES			
A 62	2		K8-4	8				.25	YES			
			K11-4	11				.25	YES		3	
A 63	2		K14-4	45				.25	YES		3	
			K11-4	11				.25	YES			
A 64	2		K14-4	45				.25	YES			
			K17-4	51				.25	YES		3	
A 65	2		K3-5	20				.25	YES		4	
			TB1-4	40				.25	YES			
A 66	1				2.00						13	
					2.00						13	
A 66L			J3-C	39				.22	NO			
			K2-10	2				.25	YES		3	
A 66R			J3-D	39				.22	NO			
			K2-7	2				.25	YES		3	
A 67	1				2.00						13	
					2.00						13	
A 67L			J3-E	39				.22	NO			
			K2-16	2				.25	YES		3	
A 67R			J3-F	39				.22	NO			
			K2-13	2				.25	YES		3	
A 68	1				2.00						13	
					2.00						13	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 68L			J3-G	39				.22	NO			
			K1-16	1				.25	YES		3	
A 68R			J3-H	39				.22	NO			
			K1-19	1				.25	YES		3	
A 69	1				2.00						13	
					2.00						13	
A 69L			J3-J	39				.22	NO			
			K1-10	1				.25	YES		3	
A 69R			J3-K	39				.22	NO			
			K1-13	1				.25	YES		3	
A 70	2		K1-2	1				.25	YES			
			TB1-30	44				.25	YES			
A 71	2		S3SW1-NC	38				.25	YES		4	
			K22-19	56				.25	YES		3	
A 72	2		S3SW1-NO	38				.25	YES		4	
			K22-16	56				.25	YES		3	
A 73	2		K1-18	1				.25	YES		3	
			K22-5	56				.25	YES		3	
A 74	2		K1-15	1				.25	YES		3	
			K22-8	56				.25	YES		3	
A 75	2		K1-12	1				.25	YES		3	
			K22-11	56				.25	YES		3	
A 76	2		K1-9	1				.25	YES		3	
			K22-14	56				.25	YES		3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	2		K1-18	1				.25	YES			
			K5-19	3				.25	YES		3	
A 78	2		K1-15	1				.25	YES			
			K5-16	3				.25	YES		3	
A 79	2		K1-12	1				.25	YES			
			K5-13	3				.25	YES		3	
A 80	2		K1-9	1				.25	YES			
			K5-10	3				.25	YES		3	
A 81	2		K2-15	2				.25	YES		3	
			K22-12	56				.25	YES		3	
A 82	2		K2-12	2				.25	YES		3	
			K22-9	56				.25	YES		3	
A 83	2		K2-9	2				.25	YES		3	
			K22-6	56				.25	YES		3	
A 84	2		K2-5	2				.25	YES		3	
			K22-3	56				.25	YES		3	
A 85	2		K2-15	2				.25	YES			
			K6-16	4				.25	YES		3	
A 86	2		K2-12	2				.25	YES			
			K6-13	4				.25	YES		3	
A 87	2		K2-9	2				.25	YES			
			K6-10	4				.25	YES		3	
A 88	2		K2-6	2				.25	YES			
			K6-7	4				.25	YES		3	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	2		K3-2	20				.25	YES		3	
			XDS2-A	36				.25	YES		4	
A 91	2		K22-20	56				.25	YES		3	
			XDS3-A	37				.25	YES		4	
A 92	2		K22-15	56				.25	YES		3	
			XDS3-C	37				.25	YES		4	
A 93	2		K22-4	56				.25	YES		3	
			J1-BB	5				.22	NO			
A 94	2		K22-7	56				.25	YES		3	
			J1-AA	5				.22	NO			
A 95	2		K22-10	56				.25	YES		3	
			J1-Z*	5				.22	NO			
A 96	2		K22-13	56				.25	YES		3	
			J1-Y*	5				.22	NO			
A 97	2		K5-1	3				.25	YES		3	
			K6-1	4				.25	YES		3	
A 98	2		S4SW2-NC	31				.25	YES		4	
			K6-1	4				.25	YES			
A 99	2		K1-7	1				.25	YES		3	
			K20-8	17				.25	YES		4	
A 100	2		K21-8	15				.25	YES		4	
			K20-8	17				.25	YES			
A 101	2		K5-3	3				.25	YES		3	
			J1-X*	5				.22	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 102	2		K5-6	3				.25	YES		3	
			J1-W*	5				.22	NO		4	
A 103	2		K5-5	3				.25	YES			
			XDS4-D	30				.25	YES		4	
A 104	2		K5-8	3				.25	YES		3	
			K8-7	8				.25	YES		3	
A 105	2		J1-V*	5				.22	NO			
			K5-9	3				.25	YES		3	
A 106	2		K5-11	3				.25	YES		3	
			K8-10	8				.25	YES		3	
A 107	2		K5-12	3				.25	YES		3	
			J1-U*	5				.22	NO			
A 108	2		K5-14	3				.25	YES		3	
			K8-13	8				.25	YES		3	
A 109	2		K5-15	3				.25	YES		3	
			J1-S*	5				.22	NO			
A 110	2		K5-17	3				.25	YES		3	
			K8-16	8				.25	YES		3	
A 111	2		K5-18	3				.25	YES		3	
			J1-Z*	5				.22	NO			
A 112	2		K5-20	3				.25	YES		3	
			K8-19	8				.25	YES		3	
A 113	2		TB1-8	40				.25	YES			
			K7-5	16				.25	YES		4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 114	2		TB1-7	40				.25	YES			
			S4SW1-NO	31				.25	YES		4	
A 115	2		TB1-7	40				.25	YES			
			K6-4	4				.25	YES		3	
A 116	2		K7-1	16				.25	YES		4	
			K6-3	4				.25	YES		3	
A 117	2		TB1-6	53				.25	YES			
			K6-3	4				.25	YES			
A 118	2		TB1-5	52				.25	YES			
			K7-7	16				.25	YES		4	
A 119	2		TB1-5	52				.25	YES			
			S4SW2-C	31				.25	YES		4	
A 120	2		K6-19	4				.25	YES		3	
			K7-7	16				.25	YES			
A 121	2		S4SW1-NC	41				.25	YES		4	
			S5SW1-C	22				.25	YES		4	
A 122	2		K7-8	16				.25	YES		4	
			K10-2	14				.25	YES		4	
A 123	2		K6-6	4				.25	YES		3	
			J1-P*	5				.22	NO			
A 124	2		K6-8	4				.25	YES		3	
			K9-7	10				.25	YES		3	
A 125	2		K6-9	4				.25	YES		3	
			J1-N*	5				.22	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 126	2		K6-11	4				.25	YES		3	
			K9-10	10				.25	YES		3	
A 127	2		K6-12	4				.25	YES		3	
			J1-K*	5				.22	NO			
A 128	2		K6-14	4				.25	YES		3	
			K9-13	10				.25	YES		3	
A 129	2		K6-15	4				.25	YES		3	
			J1-J*	5				.22	NO			
A 130	2		K6-17	4				.25	YES		3	
			K9-16	10				.25	YES		3	
A 131	2		K8-1	8				.25	YES		3	
			S5SW2-NC	22				.25	YES			
A 132	2		K8-1	8				.25	YES			
			K9-1	10				.25	YES		3	
A 133	2		K9-3	10				.25	YES		3	
			K10-1	14				.25	YES		4	
A 134	2		TB1-10	49				.25	YES			
			K10-1	14				.25	YES			
A 135	2		K10-5	14				.25	YES			
			TB1-12	41				.25	YES			
A 136	2		TB1-9	50				.25	YES			
			K10-7	14				.25	YES		4	
A 137	2		TB1-9	50				.25	YES			
			S5SW2-C	22				.25	YES			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 138	2		K10-7	14				.25	YES			
			K9-19	10				.25	YES		3	
A 139	2		TB1-11	41				.25	YES			
			S5SW1-NO	22				.25	YES		4	
A 140	2		TB1-11	41				.25	YES			
			K9-4	10				.25	YES		3	
A 141	2		S6SW1-C	24				.25	YES		4	
			S5SW1-NC	22				.25	YES		4	
A 142	2		K10-8	14				.25	YES		4	
			K13-2	13				.25	YES		4	
A 143	2		K8-6	8				.25	YES		3	
			J1-G*	5				.22	NO			
A 144	2		XDS5-D	23				.25	YES			
			K8-6	8				.25	YES			
A 145	2		K8-3	8				.25	YES		3	
			J1-H*	5				.22	NO			
A 146	2		K8-8	8				.25	YES		3	
			K11-7	11				.25	YES		3	
A 147	2		K8-9	8				.25	YES		3	
			J1-F*	5				.22	NO			
A 148	2		K8-11	8				.25	YES		3	
			K11-10	11				.25	YES		3	
A 149	2		K8-12	8				.25	YES		3	
			J1-E*	5				.22	NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 150	2		K8-14	8				.25	YES		3	
			K11-13	11				.25	YES		3	
A 151	2		K8-15	8				.25	YES		3	
			J1-C*	5				.22	NO			
A 152	2		K8-17	8				.25	YES		3	
			K11-16	11				.25	YES		3	
A 153	2		K8-18	8				.25	YES		3	
			J1-B*	5				.22	NO			
A 154	2		K8-20	8				.25	YES		3	
			K11-19	11				.25	YES		3	
A 155	2		K9-6	10				.25	YES		3	
			J1-Z	5				.22	NO			
A 156	2		K9-8	10				.25	YES		3	
			K12-7	12				.25	YES		3	
A 157	2		K9-9	10				.25	YES		3	
			J1-Y	5				.22	NO			
A 158	2		K9-11	10				.25	YES		3	
			K12-10	12				.25	YES		3	
A 159	2		K9-12	10				.25	YES		3	
			J1-W	5				.22	NO			
A 160	2		K9-15	10				.25	YES		3	
			J1-V	5				.22	NO			
A 161	2		K9-14	10				.25	YES		3	
			K12-13	12				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 18 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 162	2		K9-17	10				.25	YES		3	
			K12-16	12				.25	YES		3	
A 164	2		K11-1	11				.25	YES		3	
			S6SW2-NC	24				.25	YES		4	
A 165	2		K11-1	11				.25	YES			
			K12-1	12				.25	YES		3	
A 167	2		XDS6-C	25				.25	YES		4	
			K11-6	11				.25	YES		3	
A 168	2		J2-GG	6				.22	NO			
			K11-5	11				.25	YES			
A 169	2		J2-HH	6				.22	NO			
			K11-3	11				.25	YES		3	
A 170	2		K11-8	11				.25	YES		3	
			K14-7	45				.25	YES		3	
A 171	2		K11-11	11				.25	YES		3	
			K14-10	45				.25	YES		3	
A 172	2		K11-14	11				.25	YES		3	
			K14-13	45				.25	YES		3	
A 173	2		K11-17	11				.25	YES		3	
			K14-16	45				.25	YES		3	
A 174	2		K11-20	11				.25	YES		3	
			K14-19	45				.25	YES		3	
A 175	2		K11-9	11				.25	YES		3	
			J2-FF	6				.22	NO			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 19 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 176	2		K11-12	11				.25	YES		3	
			J2-EE	6				.22	NO			
A 177	2		K11-15	11				.25	YES		3	
			J2-CC	6				.22	NO			
A 178	2		K11-18	11				.25	YES		3	
			J2-BB	6				.22	NO			
A 179	2		TB1-16	41				.25	YES			
			K13-5	13				.25	YES		4	
A 180	2		K13-1	13				.25	YES		4	
			K12-3	12				.25	YES		3	
A 181	2		K13-1	13				.25	YES			
			TB1-14	49				.25	YES			
A 182	2		K13-7	13				.25	YES			
			TB1-13	50				.25	YES			
A 183	2		S6SW2-C	24				.25	YES		4	
			TB1-13	50				.25	YES			
A 184	2		S6SW2-C	24				.25	YES			
			K12-19	12				.25	YES		3	
A 185	2		S6SW1-NO	24				.25	YES		4	
			TB1-15	41				.25	YES			
A 186	2		K12-4	12				.25	YES		3	
			TB1-15	41				.25	YES			
A 187	2		S6SW1-NC	24				.25	YES		4	
			S7SW1-C	26				.25	YES		4	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 20 OF 32

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 188	2		K13-8	13				.25	YES		4	
			K16-2	21				.25	YES		4	
A 189	2		K12-6	12				.25	YES		3	
			J2-Z*	6				.22	NO			
A 190	2		K12-9	12				.25	YES		3	
			J2-Y*	6				.22	NO			
A 191	2		K12-12	12				.25	YES		3	
			J2-W*	6				.22	NO			
A 192	2		K12-15	12				.25	YES		3	
			J2-V*	6				.22	NO			
A 193	2		K12-8	12				.25	YES		3	
			K15-7	46				.25	YES		3	
A 194	2		K12-11	12				.25	YES		3	
			K15-10	46				.25	YES		3	
A 195	2		K12-14	12				.25	YES		3	
			K15-13	46				.25	YES		3	
A 196	2		K12-17	12				.25	YES		3	
			K15-16	46				.25	YES		3	
A 197	2		TB1-26	43				.25	YES		3	
			S7SW2-NC	26				.25	YES			
A 198	2		TB1-26	43				.25	YES			
			K14-1	45				.25	YES		3	
A 199	2		K15-1	46				.25	YES		3	
			K14-1	45				.25	YES			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 21 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 200	2		K15-18	46				.25	YES			
			K20-1	17				.25	YES		4	
A 201	2		K16-1	21				.25	YES		4	
			TB1-18	48				.25	YES			
A 202	2		K15-3	46				.25	YES		3	
			TB1-18	48				.25	YES			
A 203	2		K16-5	21				.25	YES			
			TB1-20	42				.25	YES			
A 204	2		S7SW1-NO	26				.25	YES		4	
			TB1-19	42				.25	YES			
A 205	2		K15-4	46				.25	YES		3	
			TB1-19	42				.25	YES			
A 206	2		K16-7	21				.25	YES		4	
			TB1-17	47				.25	YES			
A 207	2		K16-7	21				.25	YES			
			K15-19	46				.25	YES		3	
A 208	2		S7SW2-C	26				.25	YES		4	
			TB1-17	47				.25	YES			
A 209	2		J2-S*	6				.22	NO			
			K14-6	45				.25	YES		3	
A 210	2		XDS7-D	27				.25	YES		4	
			K14-6	45				.25	YES			
A 211	2		K14-3	45				.25	YES		3	
			J2-T*	6				.22	NO			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 22 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 212	2		K14-8	45				.25	YES		3	
			K17-7	51				.25	YES		3	
A 213	2		K14-9	45				.25	YES		3	
			J2-R*	6				.22	NO			
A 214	2		K14-11	45				.25	YES		3	
			K17-10	51				.25	YES		3	
A 215	2		K14-12	45				.25	YES		3	
			J2-Q*	6				.22	NO			
A 216	2		K14-14	45				.25	YES		3	
			K17-13	51				.25	YES		3	
A 217	2		K14-15	45				.25	YES		3	
			J2-N*	6				.22	NO			
A 218	2		K14-17	45				.25	YES		3	
			K17-16	51				.25	YES		3	
A 219	2		K14-18	45				.25	YES		3	
			J2-M*	6				.22	NO			
A 220	2		K14-20	45				.25	YES		3	
			K17-19	51				.25	YES		3	
A 221	2		K16-8	21				.25	YES		4	
			K19-2	19				.25	YES		4	
A 222	2		S7SW1-NC	26				.25	YES		4	
			S8SW1-C	28				.25	YES		4	
A 223	2		J2-J*	6				.22	NO			
			K15-6	46				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 23 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 224	2		K20-3	17				.25	YES		4	
			J2-D*	6				.22	NO			
A 225	2		J2-I*	6				.22	NO			
			K15-9	46				.25	YES		3	
A 226	2		K15-8	46				.25	YES		3	
			K18-7	54				.25	YES		3	
A 227	2		K15-11	46				.25	YES		3	
			K18-10	54				.25	YES		3	
A 228	2		K15-12	46				.25	YES		3	
			J2-G*	6				.22	NO			
A 229	2		K15-14	46				.25	YES		3	
			K18-13	54				.25	YES		3	
A 230	2		K15-15	46				.25	YES		3	
			J2-F*	6				.22	NO			
A 231	2		K15-17	46				.25	YES		3	
			K18-16	54				.25	YES		3	
A 233	2		TB1-28	43				.25	YES			
			S8SW2-NC	28				.25	YES		4	
A 234	2		TB1-28	43				.25	YES			
			K21-1	15				.25	YES		4	
A 235	2		K17-1	51				.25	YES		3	
			K21-1	15				.25	YES			
A 236	2		K17-1	51				.25	YES			
			K18-1	54				.25	YES		3	

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 24 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	2		K18-3	54				.25	YES		3	
			TB1-22	48				.25	YES			
A 238	2		K19-1	19				.25	YES		4	
			TB1-22	48				.25	YES			
A 239	2		K19-5	19				.25	YES		4	
			TB1-24	42				.25	YES			
A 240	2		TB1-23	42				.25	YES			
			S8SW1-NO	26				.25	YES		4	
A 241	2		TB1-23	42				.25	YES			
			K18-4	54				.25	YES		3	
A 242	2		S8SW1-NC	28				.25	YES		4	
			K19-8	19				.25	YES		4	
A 243	2		S8SW2-C	28				.25	YES		4	
			TB1-21	47				.25	YES			
A 244	2		K19-7	19				.25	YES		4	
			TB1-21	47				.25	YES			
A 245	2		K19-7	19				.25	YES			
			K18-19	54				.25	YES		3	
A 246	2		J2-B*	6				.22	NO			
			K17-6	51				.25	YES		3	
A 247	2		J2-C*	6				.22	NO			
			K17-3	51				.25	YES		3	
A 248	2		XDS8-D	29				.25	YES		4	
			K17-6	51				.25	YES			

SIZE A
CODE IDENT NO. 99974
2900799
SCALE-NONE
REV LTR D
SHEET 25 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	2		J2-A* K17-9	6 51				.22 .25	NO YES		 3	
A 250	2		J2-Z K17-12	6 51				.22 .25	NO YES		 3	
A 251	2		J2-X K17-15	6 51				.22 .25	NO YES		 3	
A 252	2		J2-W K17-18	6 51				.22 .25	NO YES		 3	
A 253	2		J2-T K18-6	6 54				.22 .25	NO YES		 3	
A 254	2		J2-S K18-9	6 54				.22 .25	NO YES		 3	
A 255	2		J2-P K18-12	6 54				.22 .25	NO YES		 3	
A 256	2		J2-N K18-15	6 54				.22 .25	NO YES		 3	
A 257	2		J2-M K21-3	6 45				.22 .25	NO YES		 4	
A 258	2		J2-L TB1-27	6 43				.22 .25	NO YES			
A 259	2		E1 J1-C	9 5				.25 .22	NO YES			
A 260	2		E1 J1-B	9 5				.25 .22	NO YES			

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 26 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	2		K4-5 TB1-1	18 52				.22 .25	YES YES			
A 262	2		TB1-29 K5-7	44 3				.22 .25	YES YES		 3	
A 263	2		J1-U K2-2	5 2				.22 .25	NO YES			
A 264	2		XDS4-G K6-18	30 4				.25 .25	YES YES		 3	
A 265	2		K1-20 K23-19	1 57				.25 .25	YES YES		3 3	
A 266	2		K1-17 K23-16	1 57				.25 .25	YES YES		3 3	
A 267	2		K1-14 K23-13	1 57				.25 .25	YES YES		3 3	
A 268	2		K1-11 K23-10	1 57				.25 .25	YES YES		3 3	
A 269	2		K23-19 K25-19	57 59				.25 .25	YES YES		 3	
A 270	2		K23-16 K25-16	57 59				.25 .25	YES YES		 3	
A 271	2		K23-13 K25-13	57 59				.25 .25	YES YES		 3	
A 272	2		K23-10 K25-10	57 59				.25 .25	YES YES		 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 27 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	2		K23-18 K14-19	57 45				.25 .25	YES YES		3	
A 274	2		K23-15 K14-16	57 45				.25 .25	YES YES		3	
A 275	2		K23-12 K14-13	57 45				.25 .25	YES YES		3	
A 276	2		K23-9 K14-10	57 45				.25 .25	YES YES		3	
A 277	2		K25-18 J2-F	59 6				.25 .22	YES NO		3	
A 278	2		K25-15 J2-G	59 6				.25 .22	YES NO		3	
A 279	2		K25-12 J2-J	59 6				.25 .22	YES NO		3	
A 280	2		K25-9 J2-K	59 6				.25 .22	YES NO		3	
A 281	2		K2-17 K24-16	2 58				.25 .25	YES YES		3 3	
A 282	2		K2-14 K24-13	2 58				.25 .25	YES YES		3 3	
A 283	2		K2-11 K24-10	2 58				.25 .25	YES YES		3 3	
A 284	2		K2-8 K24-7	2 58				.25 .25	YES YES		3 3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 28 OF 32

WIRING HARNESS A 2900799 G

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	2		K24-16 K26-16	58 55				.25 .25	YES YES		 3	
A 286	2		K24-13 K26-13	58 55				.25 .25	YES YES		 3	
A 287	2		K24-10 K26-10	58 55				.25 .25	YES YES		 3	
A 288	2		K24-7 K26-7	58 55				.25 .25	YES YES		 3	
A 289	2		K24-15 K15-16	58 46				.25 .25	YES YES		3	
A 290	2		K24-12 K15-13	58 46				.25 .25	YES YES		3	
A 291	2		K24-9 K15-10	58 46				.25 .25	YES YES		3	
A 292	2		K24-6 K15-7	58 46				.25 .25	YES YES		3	
A 293	2		K26-15 J1-T	55 5				.25 .22	YES NO		3	
A 294	2		K26-12 J1-S	55 5				.25 .22	YES NO		3	
A 295	2		K26-9 J1-R	55 5				.25 .22	YES NO		3	
A 296	2		K26-6 J1-P	55 5				.25 .22	YES NO		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR G	SHEET 29 OF 32

WIRING HARNESS A 2900799 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	2		K25-7	59				.25	YES		3	
			K26-19	55				.25	YES		3	
A 298	2		K23-7	57				.25	YES		3	
			K24-4	58				.25	YES		3	
A 299	2		K23-6	57				.25	YES		3	
			XDS9-A	36				.25	YES		4	
A 300	2		K24-1	58				.25	YES		3	
			K23-1	57				.25	YES			
A 301	2		K23-1	57				.25	YES		3	
			K21-4	15				.25	YES		4	
A 302	2		K21-6	15				.25	YES		4	
			K20-6	17				.25	YES		4	
A 303	2		K20-4	17				.25	YES		4	
			S9SW1-NO	35				.25	YES		4	
A 304	2		XDS9-G	36				.25	YES		4	
			K24-2	58				.25	YES		3	
A 305	2		K24-2	58				.25	YES			
			K23-2	57				.25	YES		3	
A 306	2		K23-2	57				.25	YES			
			XDS1-G	34				.25	YES			
A 307	2		S9SW1-C	35				.25	YES		4	
			S10SW1-C	38				.25	YES		4	
A 308	2		K26-18	55				.25	YES		3	
			XDS10-A	37				.25	YES		4	

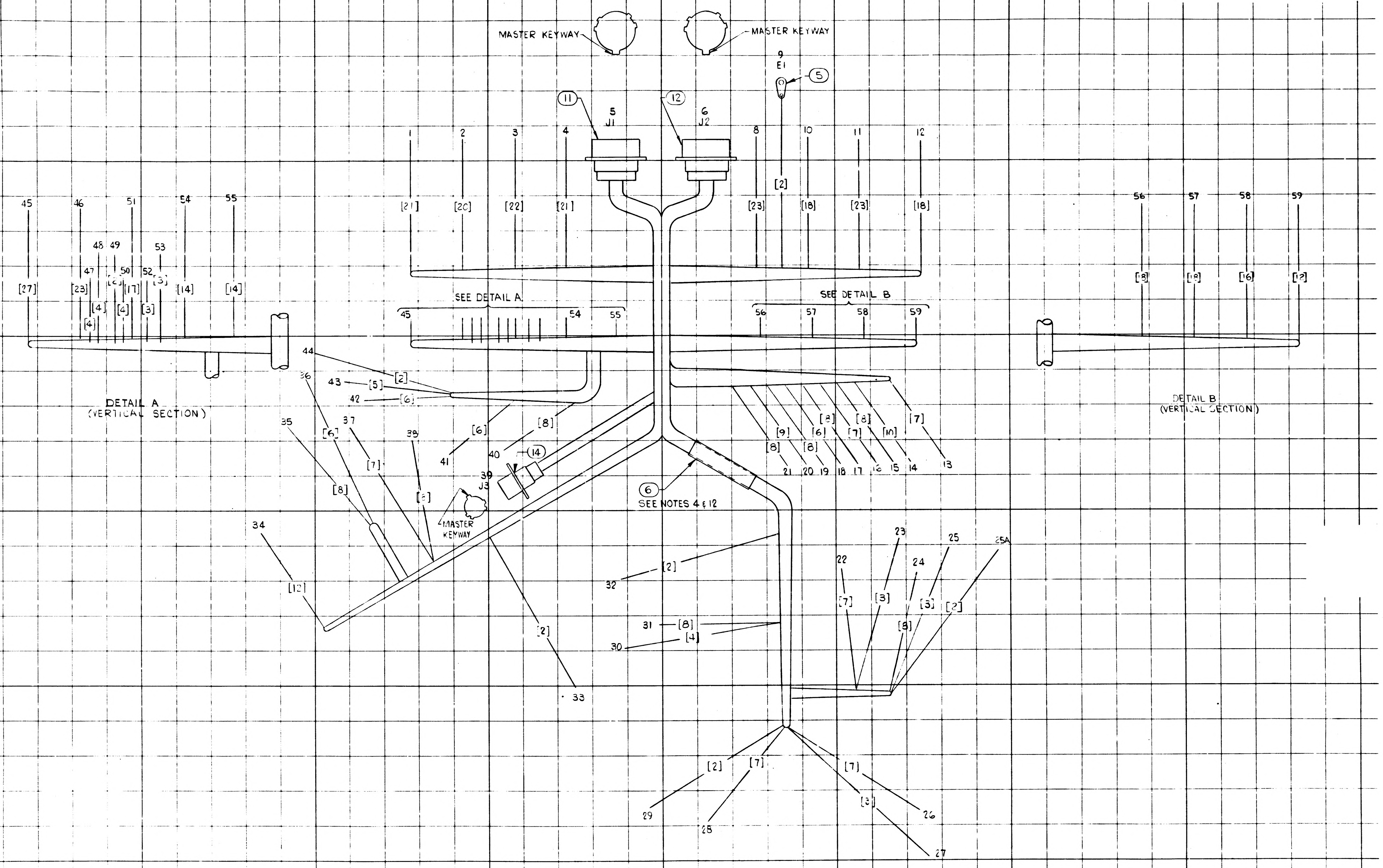
SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR E	SHEET 30 OF 32

WIRING HARNESS A 2900799 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 309	2		S10SW1-NO	38				.25	YES		4	
			K26-1	55				.25	YES		3	
A 310	2		K26-1	55				.25	YES			
			K25-1	59				.25	YES		3	
A 311	2		XDS10-G	37				.25	YES		4	
			K26-2	55				.25	YES		3	
A 312	2		K26-2	55				.25	YES			
			K25-2	59				.25	YES		3	
A 313	2		S10SW1-C	38				.25	YES			
			XDS1-C	34				.25	YES			
A 314	2		XDS9-G	36				.25	YES			
			XDS10-G	37				.25	YES			
A 315	1				2.00						13	
					2.00						13	
A 315L			J1-K	5				.22	NO		5	
			J5	25A				.25	YES			
A 315R			J1-J	5				.22	NO			
			J4	25A				.25	YES			
A 316	2		S10SW1-NO	38				.25	YES			
			K25-6	59				.25	YES		3	

SIZE	CODE IDENT NO.	
A	99974	2900799
SCALE-NONE	REV LTR D	SHEET 31 OF 32

SYM	ZONE	REVISIONS DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			


MASTER KEYWAY
MASTER KEYWAY
9
E1
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11
5
J1
12
6
J2
1
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11
12
[21]
[2C]
[22]
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SEE DETAIL A
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SEE DETAIL B
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(VERTICAL SECTION)
DETAIL B
(VERTICAL SECTION)
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14
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J3
MASTER KEYWAY
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SEE NOTES 4 & 12
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[2]
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[3]
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26
27

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9 497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN
DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

WIRING HARNESS A

CODE IDENT NO 99974
SIZE E
2900799
SCALE FULL
SHEET 3C OF 3C

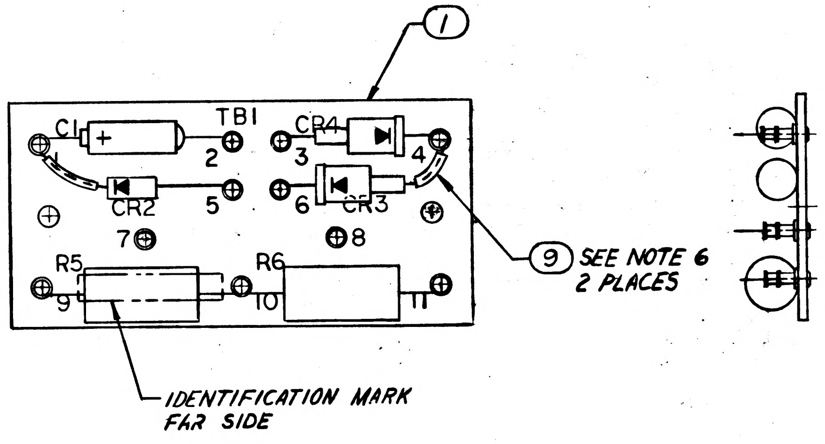
2900799 F

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM ⑥ OR ITEMS ⑦ AND ⑧.
4. BOND ITEM ⑤ TO ITEM ① PER ND1002203.
5. POLARITY SYMBOLS ARE FOR REFERENCE ONLY
6. USE INSULATING SLEEVE ITEM ⑨ AS REQUIRED ON LEADS AS SHOWN.
7. VENDOR ITEM-SEE SPEC. CONTROL DWG.

REF. DESIG.	ITEM NO.	REMARKS
C1	4	
CR2	3	
CR3	2	
CR4	2	
R5	5	SEE NOTE 4
R6	5	SEE NOTE 4



SEE NOTE 7

QUANTITY REQUIRED							
			011	EFFECTIVITY	ITEM NO.	— PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			AR		9	1006776-16	INSULATION, SLEEVING, ELEC.
			AR		8	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR		7	SN60WS	SOLDER QQ-S-571 (ES2175-1)
			AR		6	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			2		5	RC42GF101J	(1896951-025) RESISTOR MIL-R-11/7
			1		4	CS13BC276K	(1896954-070) CAPACITOR MIL-C-26655/2C
			1		3	1N459	(1896966-291) SEMICONDUCTOR MIL-S-19500/93
			2		2	1N3025B	(1896966-187) SEMICONDUCTOR MIL-S-19500/
			1		1	2900809	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

2900826-011	2900063-011	011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Frank R. Walker DATE 15 SEP 65
CHECKED 20 OCT 65
APPROVAL D. R. Tschobold 21 OCT 65
APPROVAL J. M. Watson 1-12-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
Charleston 20 OCT 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS
ASSEMBLY

CODE IDENT NO. 99974
SIZE D
2900810
SCALE 2:1
SHEET 1 OF 1

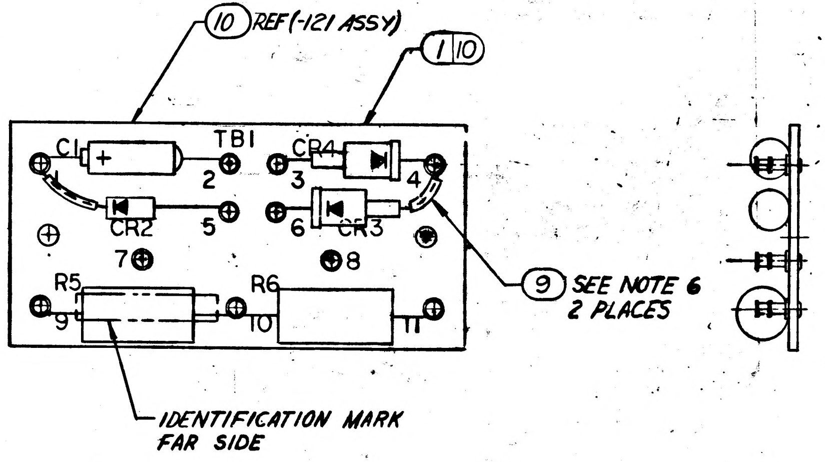
2900810 B

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J
B		REVISED PER TDRR 32143		9 DEC 66	TD N.W.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. SOLDER PER MIL-S-6872 USING ITEM ⑥ OR ITEMS ⑦ AND ⑧.
4. BOND ITEM ⑤ TO ITEM ① PER ND1002203.
5. POLARITY SYMBOLS ARE FOR REFERENCE ONLY
6. USE INSULATING SLEEVE ITEM ⑨ AS REQUIRED ON LEADS AS SHOWN.
7. VENDOR ITEM-SEE SPEC. CONTROL DWG.

REF. DESIG.	ITEM NO.		REMARKS
	-011	-021	
C1	4	-	
CR2	3	3	
CR3	2	2	
CR4	2	-	
R5	5	5	SEE NOTE 4
R6	5	5	SEE NOTE 4



SEE NOTE 7

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
		021	011				
		1	-		10	2901578	TERMINAL BOARD
		AR	AR		9	1006776-16	INSULATION, SLEEVING, ELEC.
		AR	AR		8	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
		AR	AR		7	SN60WS	SOLDER QQ-S-571 (ES2175-1)
		AR	AR		6	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
		2	2		5	RC42GF101J	(1896951-025) RESISTOR MIL-R-11/7
		-	1		4	CS13BC276K	(1896954-070) CAPACITOR MIL-C-26655/2C
		1	1		3	1N459	(1896966-291) SEMICONDUCTOR MIL-S-19500/
		1	2		2	1N3025B	(1896966-187) SEMICONDUCTOR MIL-S-19500/
		-	1		1	2900809	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900826-021	2900063-021	-021
2900826-011	2900063-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Frank R. Walker DATE 15 SEP 65
CHECKED 20 OCT 65
APPROVAL 21 OCT 65
APPROVAL J. M. Watson 1-12-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
Charleston 20 OCT 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ELECTRONIC COMPONENTS ASSEMBLY

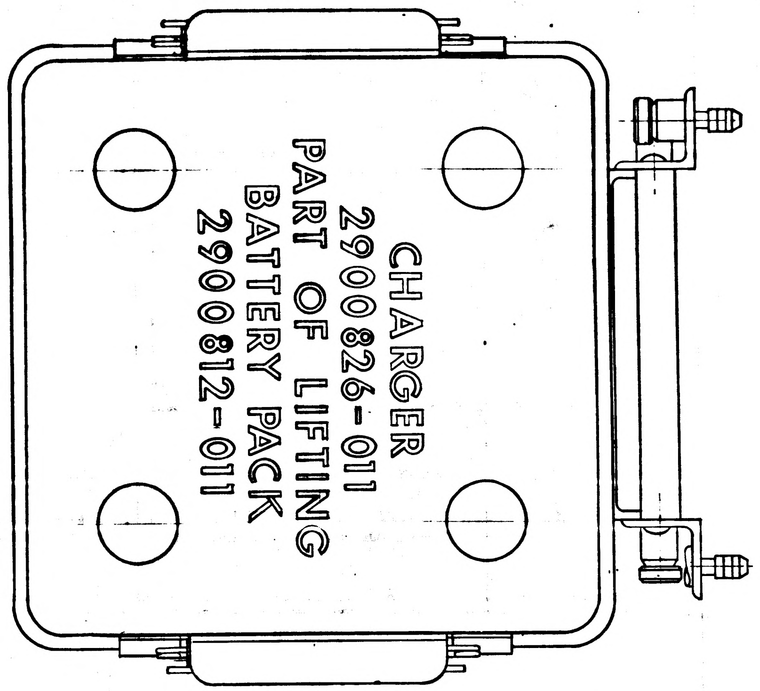
CODE IDENT NO. 99974
SIZE D
2900810
SCALE 2:1
SHEET 1 OF 1

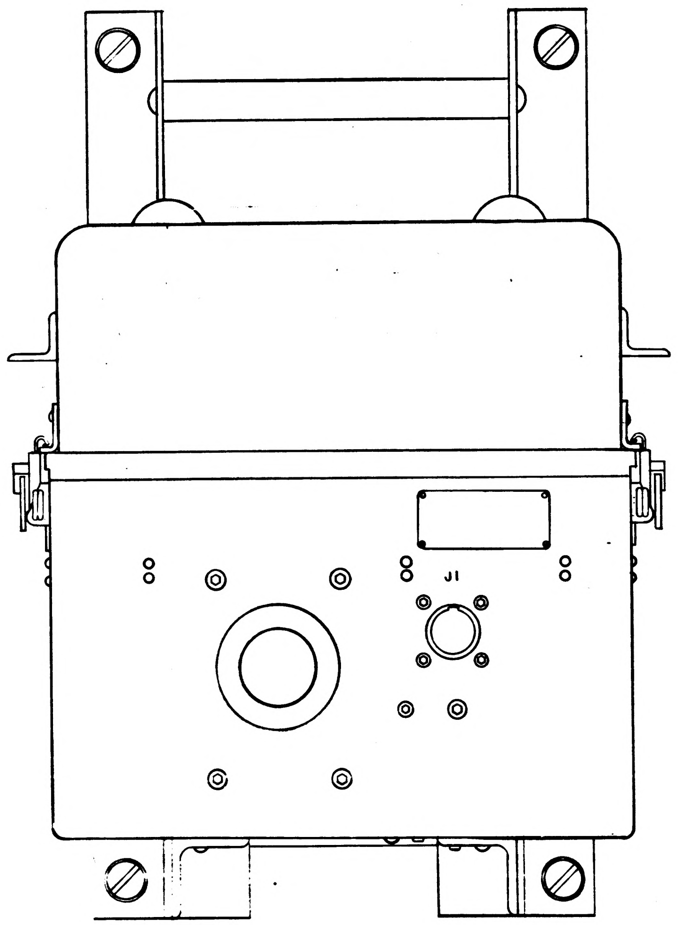
NOTES:

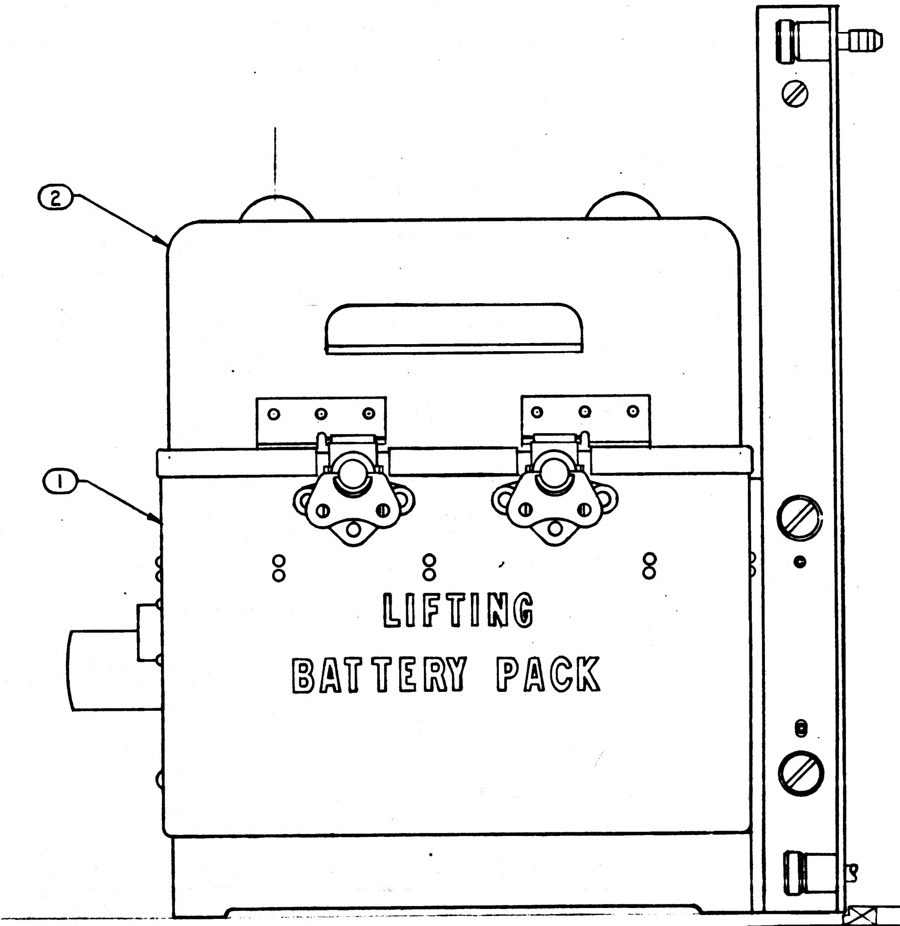
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. CABLE ASSEMBLIES, ITEM ③ AND ④, ARE STORED IN THE BATTERY CHARGER, ITEM ② AND ARE PART OF THIS ASSEMBLY.
3. DRAWINGS FOR REFERENCE:
   2900811 SCHEMATIC, ELECTRICAL

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
—	B	REPLACES REV (A) WITH CHG PER MXC 206618 - WAS 'C' SIZE		15 NOV 65	JHP
–	C	UPGRADED TO CLASS A PER TDRR 25525	—	7 DEC 65	JJJ







SEE NOTE 2
SEE NOTE 2

				X		5	2900811	SCHEMATIC DIAGRAM
				1		4	2900478	CABLE ASSEMBLY W199
				1		3	2900857	CABLE ASSEMBLY W19
				1		2	2900826-011	BATTERY CHARGER
				1		1	2900827-011	BATT. PWR SUP AND FLASHER
				ON	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900063-011	2900063-011	-011

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Bill Tunman DATE 26 SEP 65
CHECKED 28 OCT. 65
APPROVAL 26 OCT 65
APPROVAL 1-13-66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

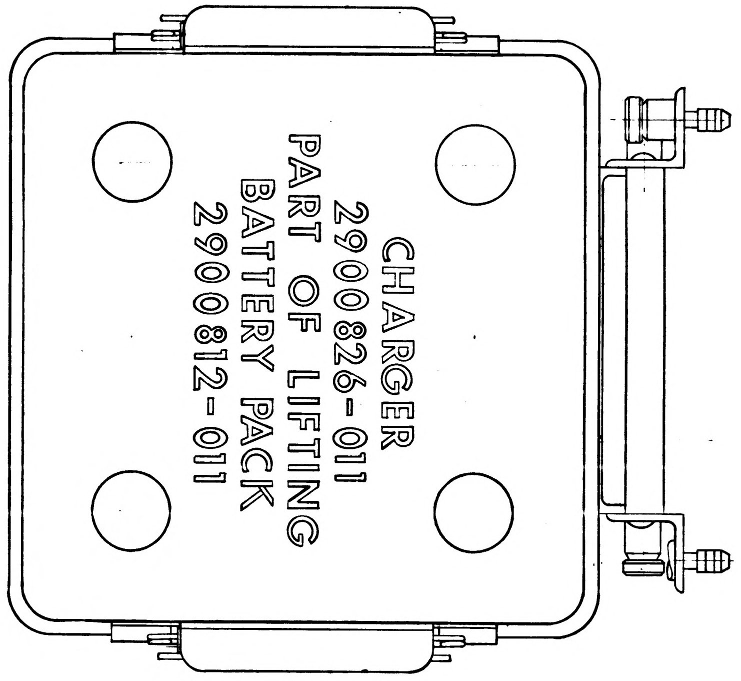
BATTERY POWER SUPPLY AND BATTERY CHARGER — LIFTING BATTERY PACK ASSEMBLY

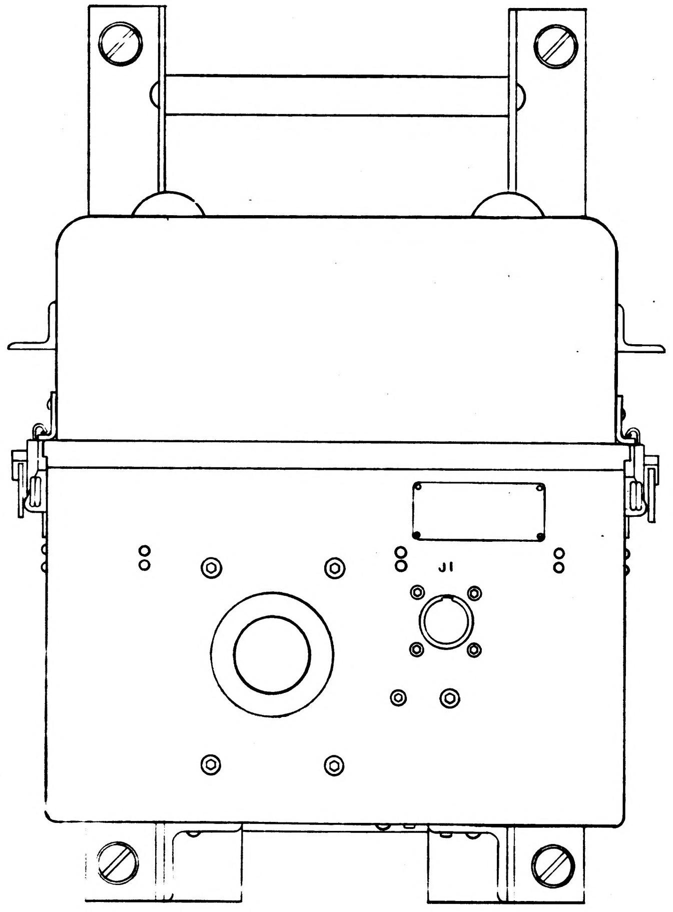
CODE IDENT NO. 99974
SIZE E
2900812
SCALE FULL
SHEET 1 OF 1

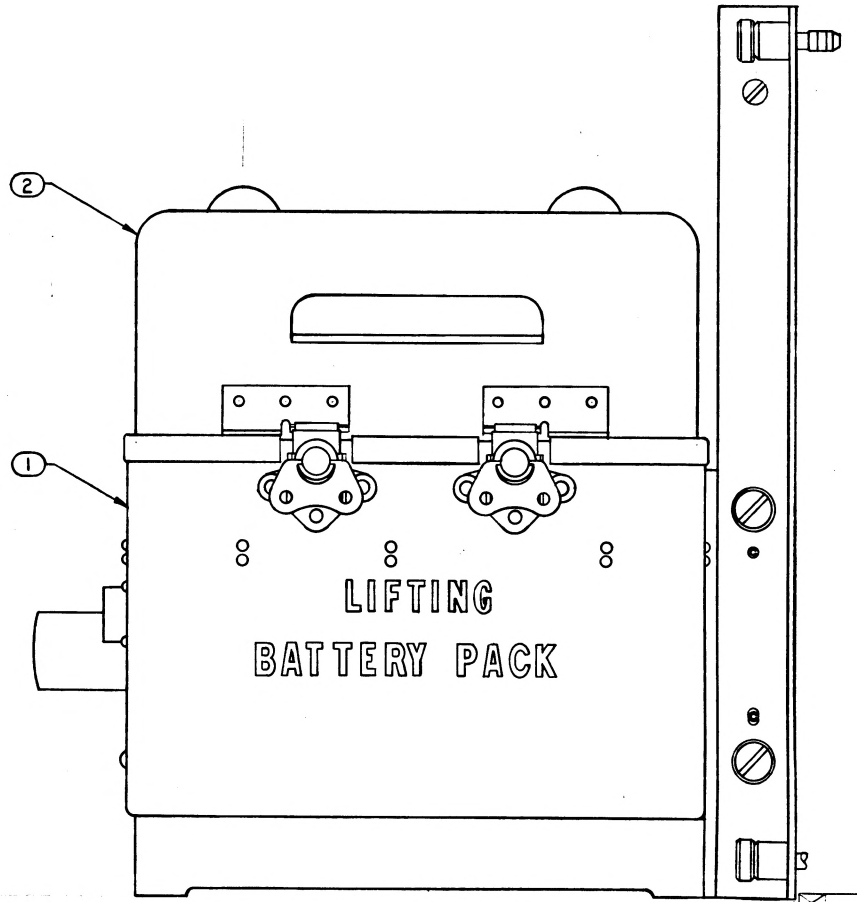
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. CABLE ASSEMBLIES, ITEM ③ AND ④, ARE STORED IN THE BATTERY CHARGER, ITEM ② AND ARE PART OF THIS ASSEMBLY.
3. DRAWINGS FOR REFERENCE:
   2900811 SCHEMATIC, ELECTRICAL
4. INSPECT AND TEST PER PS 2900812.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
—	B	REPLACES REV (A) WITH CHG PER MXC 206618 -WAS "C" SIZE		15 NOV 65	JHP
-	C	UPGRADED TO CLASS A PER TDRR 25525	—	7 DEC 65	JJJ
	D	REVISED PER TDRR 2-544		5 APR 66	PHG







SEE NOTE 2
SEE NOTE 2

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
					5	29008	SCHEMATIC DIAGRAM
			1		4	2900478	CABLE ASSEMBLY W199
			1		3	2900857	CABLE ASSEMBLY W19
			1		2	2900826-011	BATTERY CHARGER
			1		1	2900827-011	BATT. PWR SUP AND FLASHER

LIST OF PARTS AND MATERIALS

2900063-011	2900063-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± __ DECIMALS ± __ ANGLES ± __
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN [illegible] DATE 28 SEP 65
CHECKED W. Diehl 28 OCT 65
APPROVAL [illegible] 2 OCT 65
APPROVAL [illegible]
NASA APPROVAL
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY POWER SUPPLY AND BATTERY CHARGER-
LIFTING BATTERY PACK ASSEMBLY

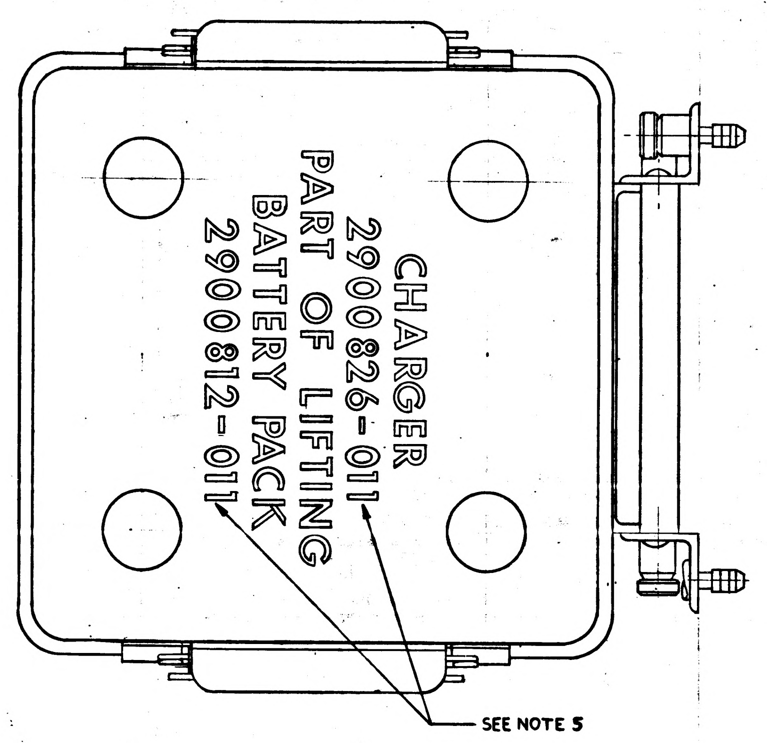
CODE IDENT NO. 99974
SIZE E
2900812
SCALE FULL
SHEET 1

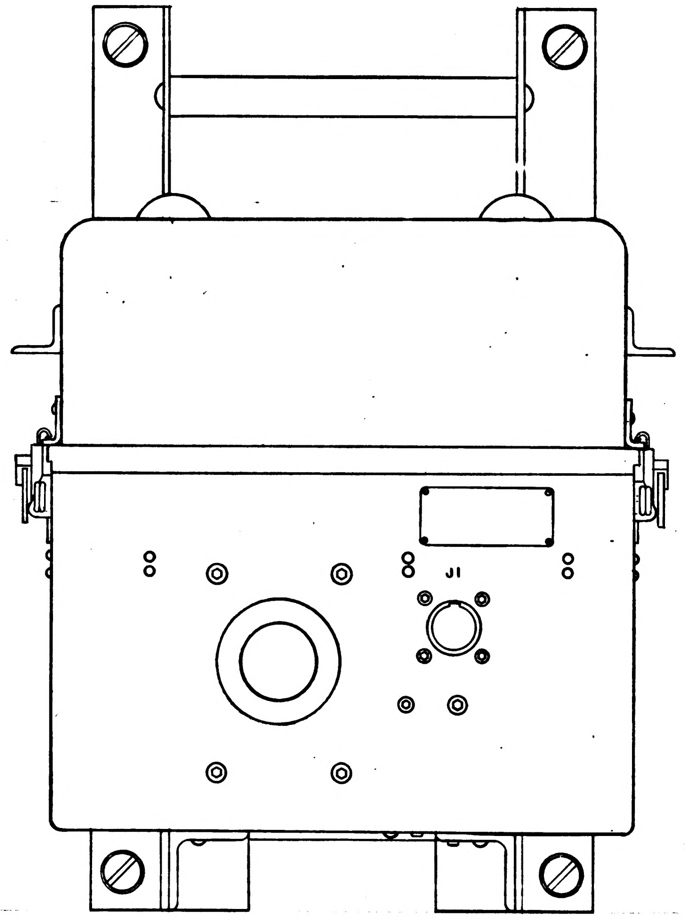
NOTES:

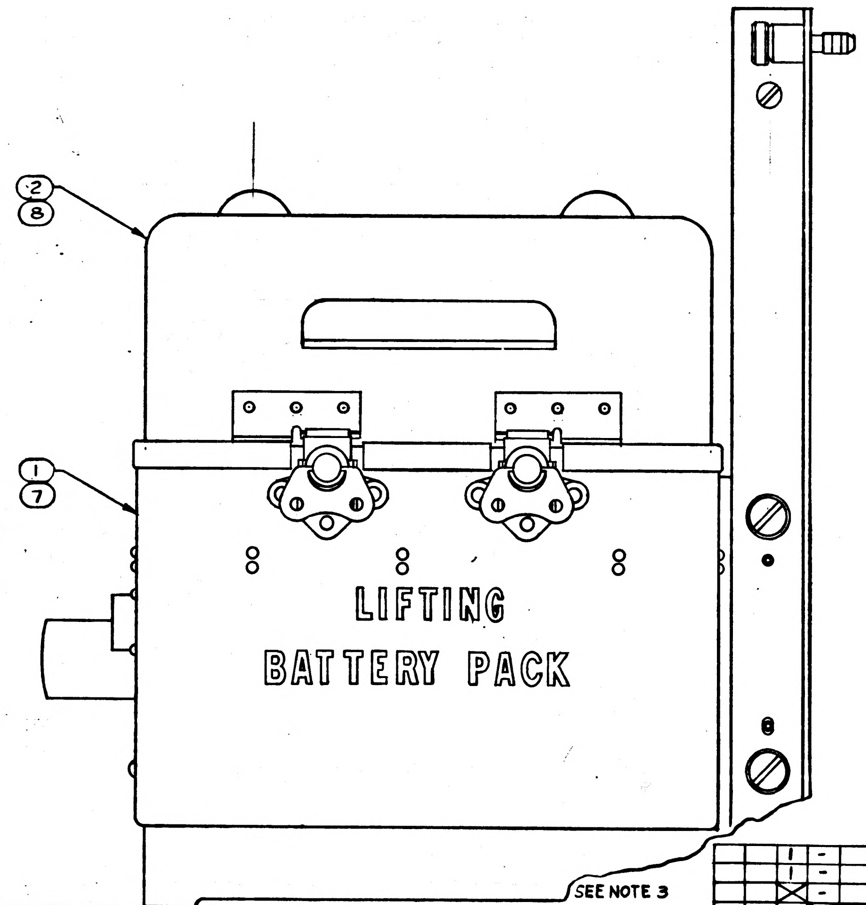
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. CABLE ASSEMBLIES, ITEM ③ AND ④, ARE STORED IN THE BATTERY CHARGER, ITEM ② AND ⑧ ARE PART OF THIS ASSEMBLY.
3. DRAWINGS FOR REFERENCE: SCHEMATIC DIAGRAM (-011) 2900811
   (-021) 2901581
4. INSPECT AND TEST PER PS 2900812.
5. DASH NUMBERS SHOULD APPEAR FOR-011 CONFIGURATION ONLY.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
—	B	REPLACES REV (A) WITH CHG PER MXC 206618 -WAS 'C' SIZE		15 NOV 65	JHP
-	C	UPGRADED TO CLASS A PER TDRR 25525	—	7 DEC 65	JJJ
	D	REVISED PER TDRR 27544		5 APR 66	PHG
	E	REVISED PER TDRR 32142		3 DEC 66	EH







	QTY REQ'D 021	QTY REQ'D 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1	-		8	2900826-021	BATTERY CHARGER
	1	-		7	2900827-021	BATT. PWR SUP AND FLASHER
SEE NOTE 3	X	-		6	2901581	SCHEMATIC DIAGRAM
SEE NOTE 3	-	X		5	2900811	SCHEMATIC DIAGRAM
SEE NOTE 2	1	1		4	2900478	CABLE ASSEMBLY W199
SEE NOTE 2	1	1		3	2900857	CABLE ASSEMBLY W191
	-	1		2	2900826-011	BATTERY CHARGER
	-	1		1	2900827-011	BATT. PWR SUP AND FLASHER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900063-021	2900063-021	-021
2900063-011	2900063-011	-011

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R.W. Turner DATE 28 SEP 65
CHECKED W. Diehl 28 OCT 65
APPROVAL D. Fachebolt 28 OCT 65
APPROVAL 1-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 19 Jan 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LIFTING BATTERY PACK

CODE IDENT NO. 99974
SIZE E
2900812
SCALE FULL
SHEET 1 OF 1

APOLLO G&N Specification
PS2900812 REV –
Original Issue Date:
Release Authority: TDRR 27545
Class A Release
CODE IDENT NO. 99974

PROCUREMENT SPECIFICATION

LIFTING BATTERY PACK

Record of Revisions

Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
				MIT	NASA

This specification consists of page 1 to 6 inclusive.

APPROVALS	A. C. METZGER NASA/MSC	W Kupfer 26 Mar 66	E A OLSSON PER TDRR MIT/IL	MB Connors ACSP 2B.

1. SCOPE

1.1 PURPOSE. This specification establishes the detail requirements for complete identification and acceptance of the Lifting Battery Pack, Part Number 2900812-011, hereafter referred to as the LBP.

2. APPLICABLE DOCUMENTS

2.1 EFFECTIVE ISSUES. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, Military Standards and Specifications shall be the issue in effect on the date of request for proposal or invitation to bid.

SPECIFICATIONS

APOLLO G&N

ND1002214	General Specification for Preservation, Packaging, Packing and Container Marking of APOLLO Guidance and Navigation Major Assemblies, Assemblies, Subassemblies, Parts and Associated Ground Support Equipment

DRAWINGS

APOLLO G&N

2900812	Lifting Battery Pack

(Copies of specifications, standards, drawings, bulletins, and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

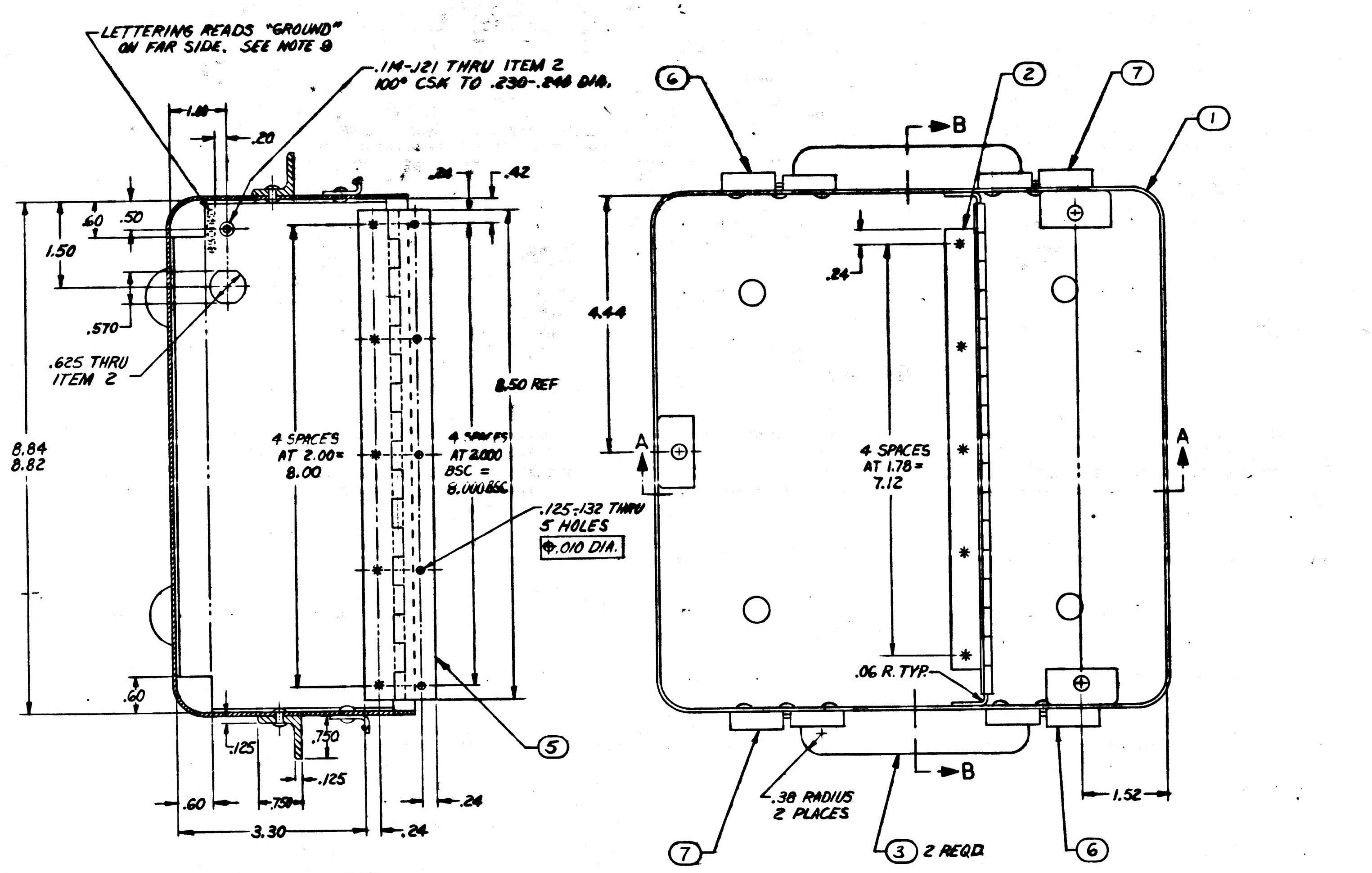
2.2 CONFLICTING REQUIREMENTS. In event of a conflict between requirements, the following order of precedence shall apply. The contractor shall also notify MIT/IL APOLLO Management of the conflict.

a. The contract
b. This specification
c. Documents listed in this section

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	

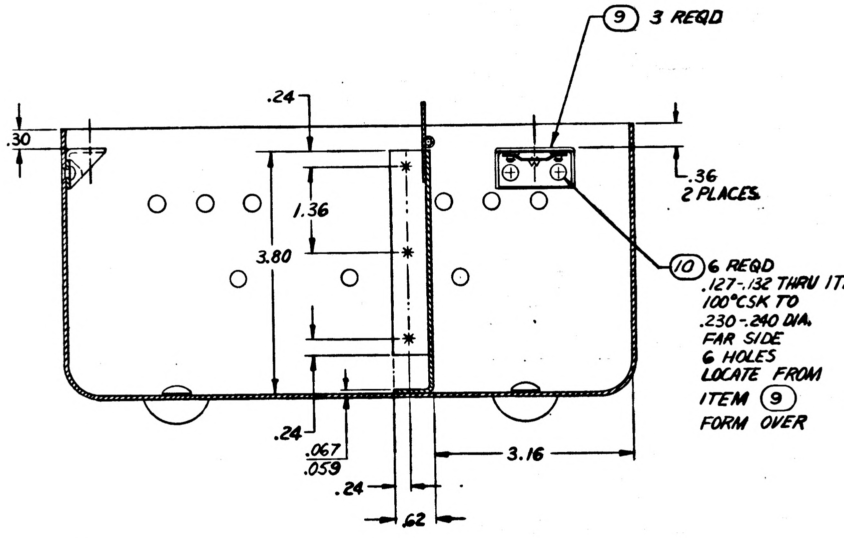
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   - A. ITEM (2), DIVIDER: QQ-A-250/8 TEMPER H32, AL ALY (5052, ES2105)
   - B. ITEM (3), HANDLE: QQ-A-200 TEMPER 6 AL ALY (6061, ES2106)
3. FINISH:
   - A. MIL-C-5541, CHEMICAL FILM (ES591)
   - B. APPLY ALL OVER USING ONE COAT OF PRIMER, ITEM (11), AND TWO COATS OF ENAMEL, ITEM (12).
   - C. ITEMS (6 7 9) TO BE FREE FROM FINISH.
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. VENDOR ITEM-SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
6. ITEM (9) TO BE RIVETED TO ITEM (1) WITH FLAT HEAD RIVETS, ITEM (10). RIVETS TO BE FLUSH TO .016 BELOW OUTSIDE SURFACE OF CASE.
7. SPOT WELD PER MIL-W-6858 GROUP A, CLASS B (ES2512-1).
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
9. MARK CHARACTERS .12 HIGH PER ND1002019, COLOR BLACK. CENTRALIZE AS SHOWN.



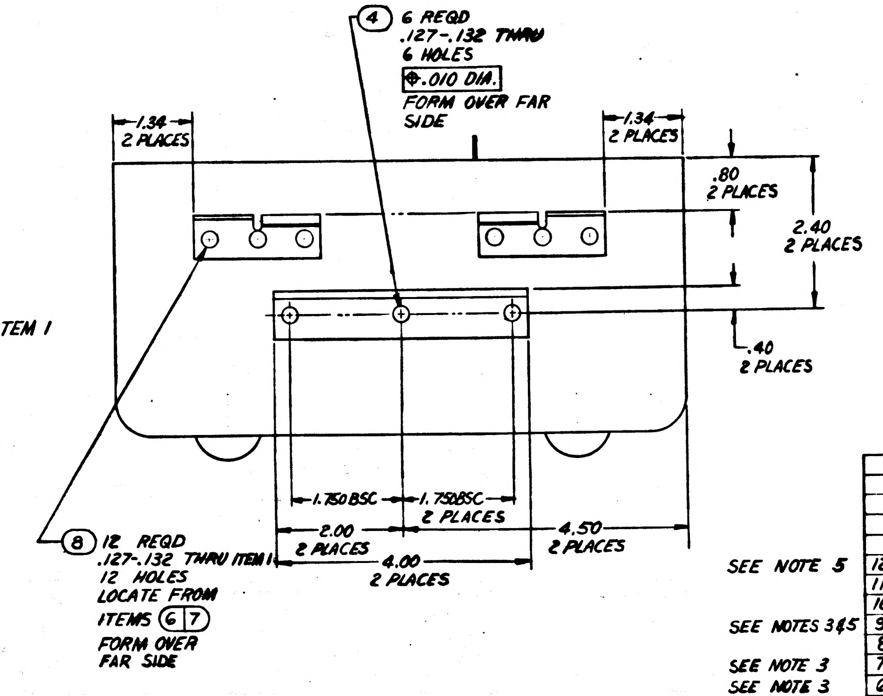
LETTERING READS "GROUND" ON FAR SIDE. SEE NOTE 9
.114-.121 THRU ITEM 2 100° CSK TO .230-.240 DIA.
1.18
.20
.24
.42
.60
.50
1.50
.570
.625 THRU ITEM 2
8.84
8.82
4 SPACES AT 2.00= 8.00
4 SPACES AT 2.000 BSC = 8.000 BSC
8.50 REF
.125-.132 THRU 5 HOLES
⊕ .010 DIA.
.60
.125
.750
.125
.60
.75
3.30
.24
.24
(5)
(6)
(2)
(7)
(1)
B
B
A
A
4.44
.24
4 SPACES AT 1.78= 7.12
.06 R. TYP.
.38 RADIUS 2 PLACES
(3) 2 REQD
1.52
(7)
(6)

SECTION B-B



(9) 3 REQD
.24
.30
.36 2 PLACES
1.36
3.80
(10) 6 REQD .127-.132 THRU ITEM 1 100°CSK TO .230-.240 DIA. FAR SIDE 6 HOLES LOCATE FROM ITEM (9) FORM OVER
.24
.067
.059
.24
.62
3.16

SECTION A-A



(4) 6 REQD .127-.132 THRU 6 HOLES ⊕ .010 DIA. FORM OVER FAR SIDE
1.34 2 PLACES
1.34 2 PLACES
.80 2 PLACES
2.40 2 PLACES
.40 2 PLACES
1.750 BSC
1.750 BSC 2 PLACES
2.00 2 PLACES
4.00 2 PLACES
4.50 2 PLACES
(8) 12 REQD .127-.132 THRU ITEM 1 12 HOLES LOCATE FROM ITEMS (6)(7) FORM OVER FAR SIDE

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 5	12	AR	1016194	ENAMEL, CASHMERE BLUE
	11	AR	MIL-P-8585	PRIMER (ES2589)
	10	6	MS20426AD4-5	RIVET, SOLID-COUNTERSINK 100°
SEE NOTES 3&5	9	3	1897290-001	RECEPTACLE, TURNLOCK FASTENER
	8	12	MS20470AD4-5	RIVET, SOLID-UNIVERSAL HD.
SEE NOTE 3	7	2	2900527	STRIKE, CATCH-R.H.
SEE NOTE 3	6	2	2900526	STRIKE, CATCH-L.H.
	5	1	MS20257-3-850	HINGE, CONTINUOUS
	4	6	MS20470AD4-6	RIVET, SOLID-UNIVERSAL HD.
SEE NOTE 2	3	2	2900813-002	HANDLE
SEE NOTE 2	2	1	2900813-001	DIVIDER, CASE
SEE NOTE 5	1	1	2900814	CASE, PORTABLE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900826-011	2900063-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − —
DECIMALS ±.005 ±.02
ANGLES +2° −2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Frank R. Walton DATE 28 SEP 65
CHECKED 20 OCT 65
APPROVAL 21 OCT 65
APPROVAL 1-11-66
NASA APPROVAL A. C. METZGER
APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CASE, CHARGER
LIFTING BATTERY PACK
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900813
SCALE 1:1
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL:
   A. ITEM (2), DIVIDER: QQ-A-250/8 TEMPER H32, AL ALY (5052, ES2105)
   B. ITEM (3), HANDLE: QQ-A-200 TEMPER 6 AL ALY (6061, ES2106)

3. FINISH:
   A. MIL-C-5541, CHEMICAL FILM (ES591)
   B. APPLY ALL OVER USING ONE COAT OF PRIMER, ITEM (11), AND TWO COATS OF ENAMEL, ITEM (12).
   C. ITEMS (6|7|9) TO BE FREE FROM FINISH.

4. MUST BE FREE FROM BURRS AND SHARP EDGES.

5. VENDOR ITEM-SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.

6. ITEM (9) TO BE RIVETED TO ITEM (1) WITH FLAT HEAD RIVETS, ITEM (10). RIVETS TO BE FLUSH TO .016 BELOW OUTSIDE SURFACE OF CASE.

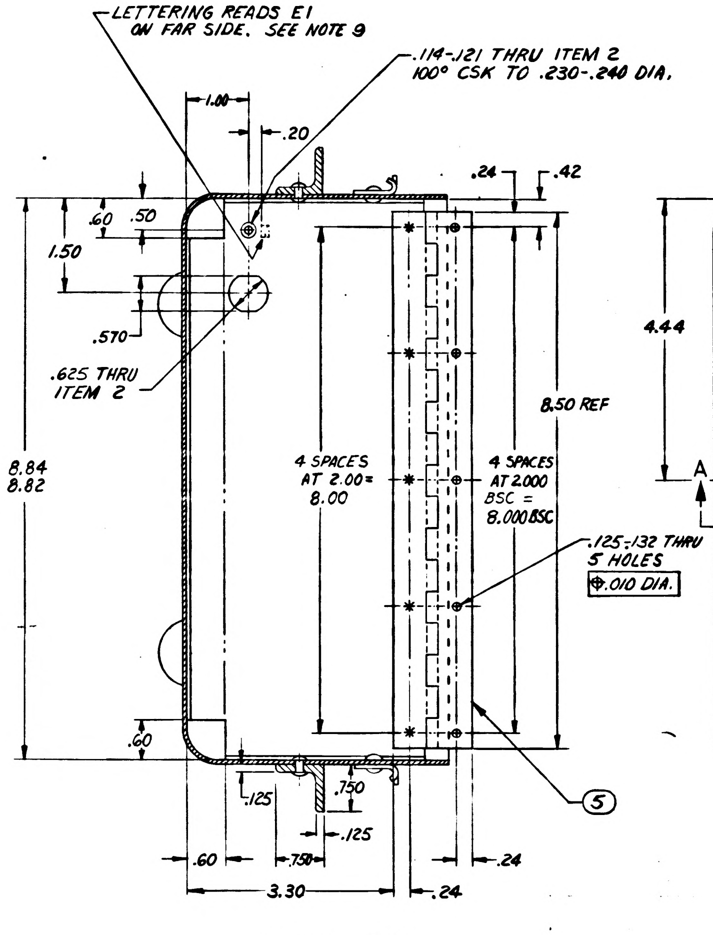
7. SPOT WELD PER MIL-W-6858 GROUP A, CLASS B (ES2512-1).

8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).

9. MARK CHARACTERS .12 HIGH PER ND1002019, COLOR BLACK. CENTRALIZE AS SHOWN.

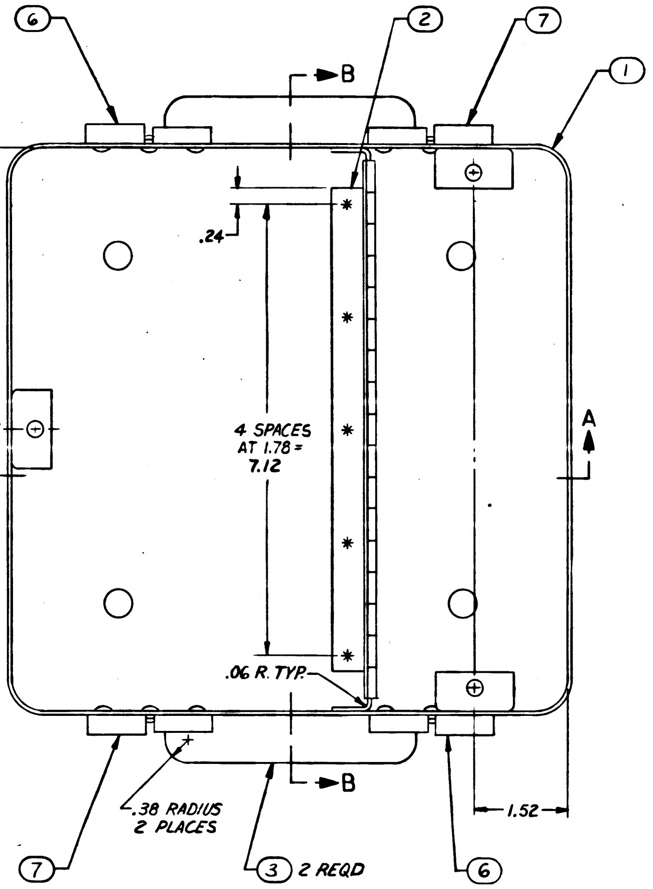
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	
	B	REVISED PER TDRR-25852		2-MAR-66	B. AU

Ⓜ

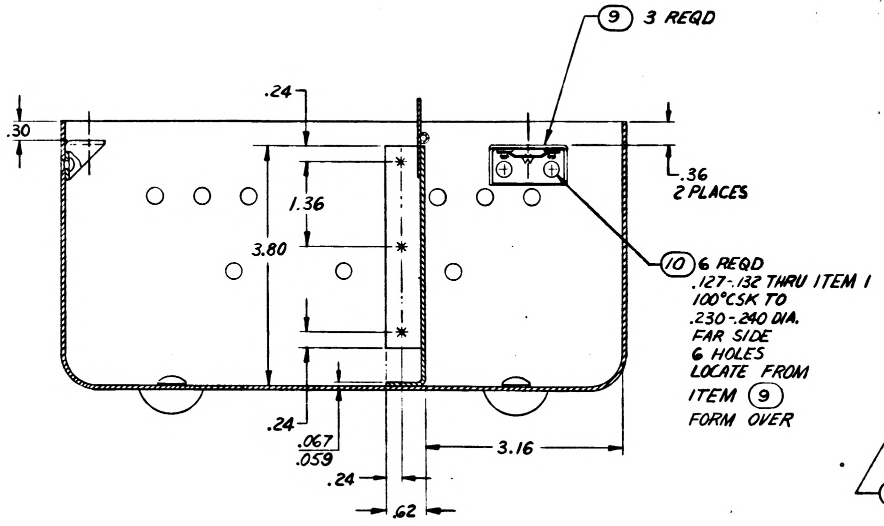


LETTERING READS E1 ON FAR SIDE. SEE NOTE 9
.114-.121 THRU ITEM 2 100° CSK TO .230-.240 DIA.
1.00
.20
.24
.42
.60
.50
1.50
.570
.625 THRU ITEM 2
8.84
8.82
4 SPACES AT 2.00 = 8.00
4 SPACES AT 2.000 BSC = 8.000 BSC
8.50 REF
.125-.132 THRU 5 HOLES
⊕ .010 DIA.
.60
.125
.750
.125
.60
.750
3.30
.24
.24
5

SECTION B-B

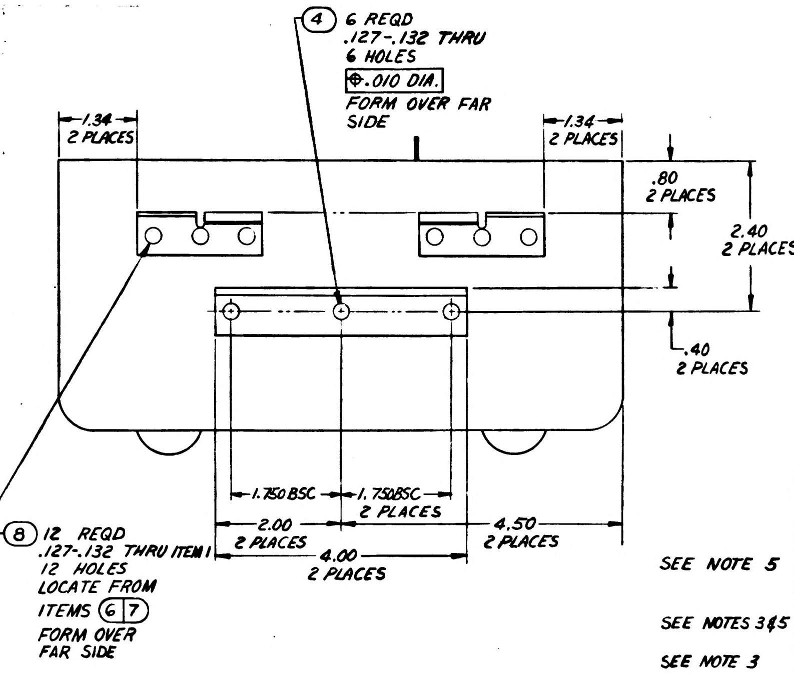


6
2
7
1
B
B
A
A
.24
4.44
4 SPACES AT 1.78 = 7.12
.06 R. TYP.
.38 RADIUS 2 PLACES
7
3 2 REQD
6
1.52



9 3 REQD
.24
.30
.36 2 PLACES
1.36
3.80
10 6 REQD .127-.132 THRU ITEM 1 100° CSK TO .230-.240 DIA. FAR SIDE 6 HOLES LOCATE FROM ITEM 9 FORM OVER
.24
.067
.059
.24
3.16
.62

SECTION A-A



4 6 REQD .127-.132 THRU 6 HOLES ⊕ .010 DIA. FORM OVER FAR SIDE
1.34 2 PLACES
1.34 2 PLACES
.80 2 PLACES
2.40 2 PLACES
.40 2 PLACES
1.750 BSC
1.750 BSC 2 PLACES
2.00 2 PLACES
4.00 2 PLACES
4.50 2 PLACES
8 12 REQD .127-.132 THRU ITEM 1 12 HOLES LOCATE FROM ITEMS 6 7 FORM OVER FAR SIDE

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 5	12	AR	1016194	ENAMEL, CASHMERE BLUE
	11	AR	MIL-P-8585	PRIMER (ES2589)
	10	6	MS20426AD4-5	RIVET, SOLID-COUNTERSINK 100°
SEE NOTES 3 & 5	9	3	1897290-001	RECEPTACLE, TURNLOCK FASTENER
	8	12	MS20470AD4-5	RIVET, SOLID-UNIVERSAL HD.
SEE NOTE 3	7	2	2900527	STRIKE, CATCH-R.H.
SEE NOTE 3	6	2	2900526	STRIKE, CATCH-L.H.
	5	1	MS20257-3-850	HINGE, CONTINUOUS
	4	6	MS20470AD4-6	RIVET, SOLID-UNIVERSAL HD.
SEE NOTE 2	3	2	2900813-002	HANDLE
SEE NOTE 2	2	1	2900813-001	DIVIDER, CASE
SEE NOTE 5	1	1	2900814	CASE, PORTABLE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900526-011	2900063-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS +— − DECIMALS ±.005 ±.02 ANGLES +2° −2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Frank P. Waller DATE 28 SEP 65
CHECKED
APPROVAL 21 OCT 65
APPROVAL 1-13-66
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CASE, CHARGER
LIFTING BATTERY PACK
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974 SIZE E 2900813
SCALE 1:1 SHEET 1 OF 1

Charleston 20 OCT 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL: QQ-A-250/11 TEMPER O (AL ALY, ES 2106 6061).

3. FINISH: MIL-C-5541 CHEMICAL FILM (ES 591).

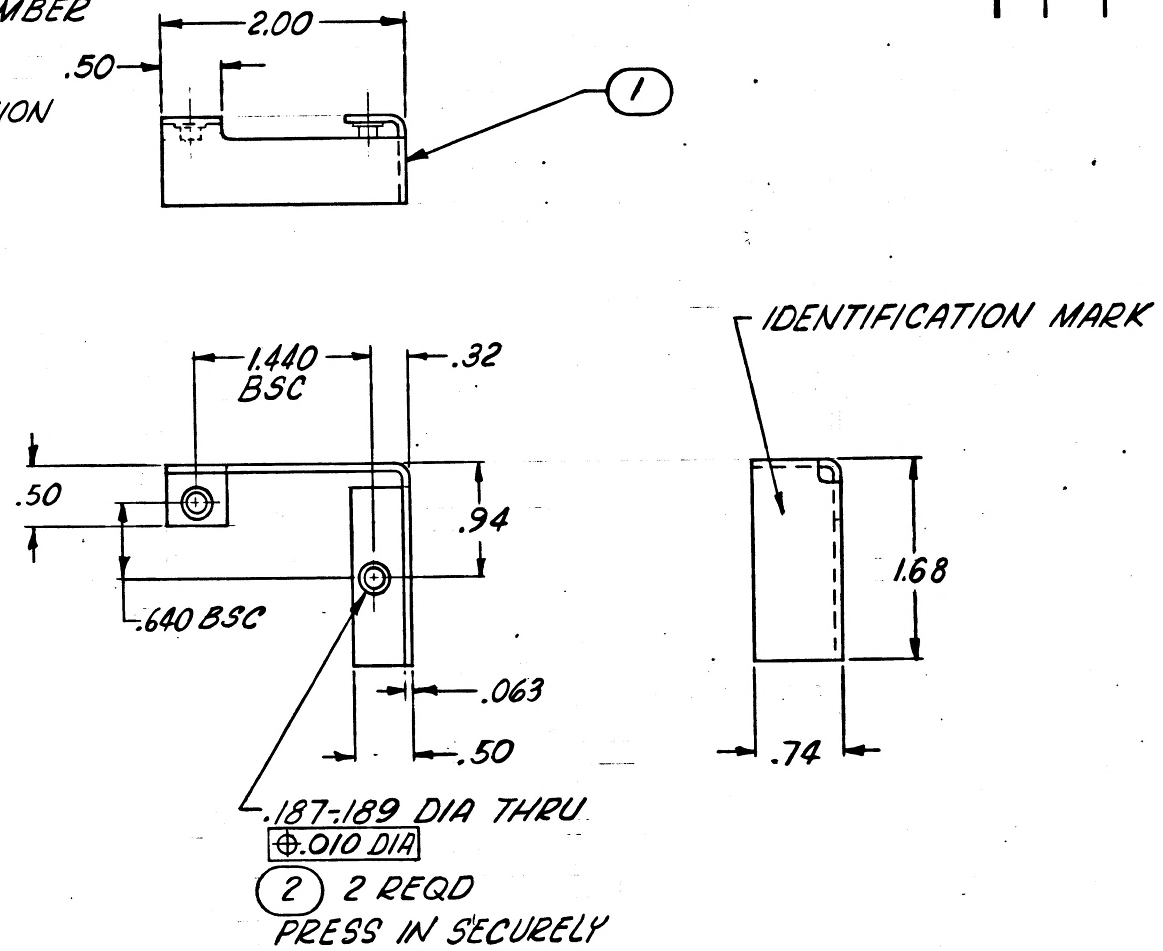
4. ALL INSIDE BEND RADII TO BE .06R.

5. MINIMUM BEND RELIEF PERMISSIBLE.

6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).

7. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	JJJ



SEE NOTE 7	2	2	1015843-4	NUT, FLUSH MOUNTED CLINCH, SELF LOCK
SEE NOTE 2	1	1	2900815-001	SPACER
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

2900827-011	2900063-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+	±.02	+
−	±.005	−

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 30 SEP 65 DATE
CHECKED 26 OCT 65
APPROVAL 28 OCT 65
APPROVAL 1-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 18 Jan. 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SPACER, PLATE, BATTERY
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE C
2900815
SCALE 1:1
SHEET 1 OF 1

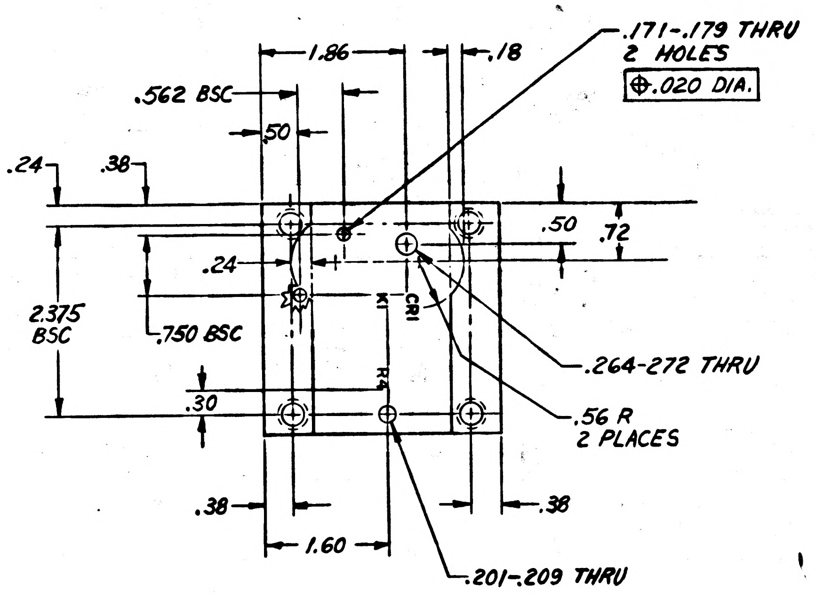
28 OCT 65

MIL 1077C—P

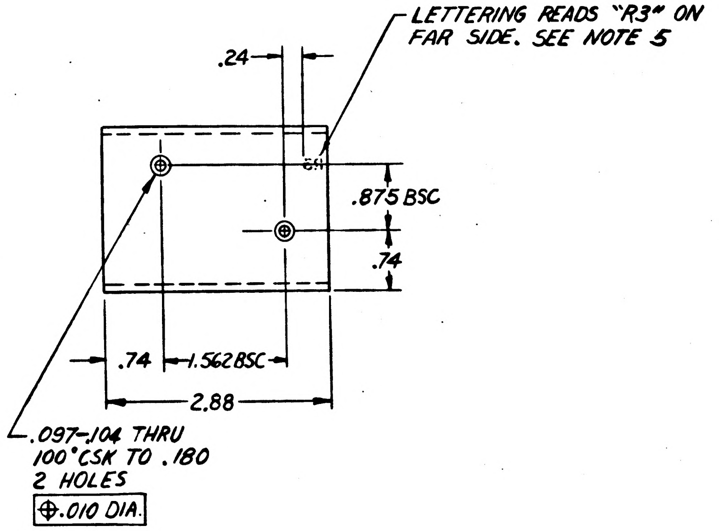
2900817 A

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25325		7 DEC 65	J J J

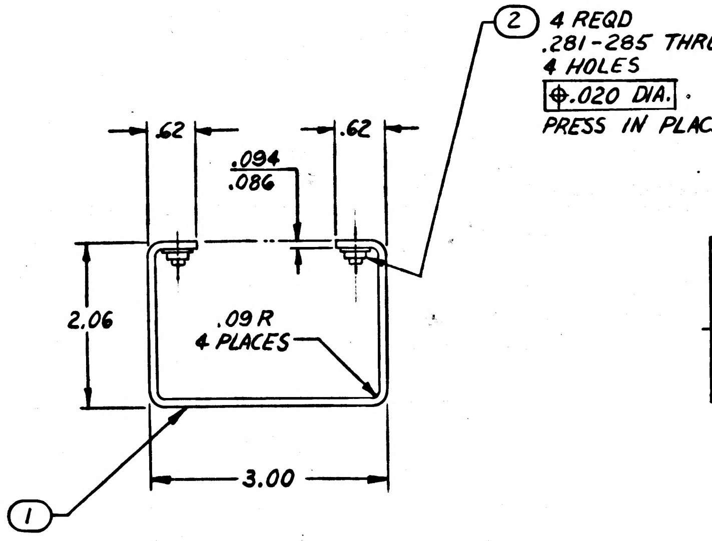
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8 TEMPER H32, AL ALY (5052, ES2105).
3. FINISH: MIL-C-5541, CHEMICAL FILM (ES-591).
4. MUST BE FREE FROM BURRS AND SHARP EDGES
5. MARK CHARACTERS .12 HIGH PER ND1002019, COLOR BLACK. CENTRALIZE AS SHOWN.
6. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



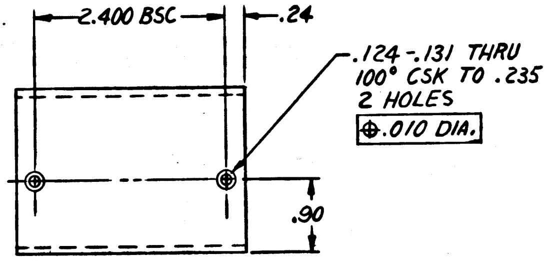
1.86
.18
.171-.179 THRU
2 HOLES
⊕.020 DIA.
.562 BSC
.50
.24
.38
.50
.72
.24
2.375 BSC
.750 BSC
K1
CR1
R4
.30
.264-272 THRU
.56 R
2 PLACES
.38
.38
1.60
.201-.209 THRU



.24
LETTERING READS "R3" ON FAR SIDE. SEE NOTE 5
.875 BSC
.74
.74
1.562 BSC
2.88
.097-.104 THRU
100° CSK TO .180
2 HOLES
⊕.010 DIA.



② 4 REQD
.281-.285 THRU
4 HOLES
⊕.020 DIA.
PRESS IN PLACE
.62
.62
.094
.086
2.06
.09 R
4 PLACES
3.00
①



2.400 BSC
.24
.124-.131 THRU
100° CSK TO .235
2 HOLES
⊕.010 DIA.
.90

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 6	2	4	1016097-006	NUT, STAKE FLOATING
SEE NOTE 2	1	1	2900817-001	BRACKET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900826-011	2900063-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	± 2°
−	±.02	--

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Frank R. Walker DATE 30 SEP 65
CHECKED W. Kewton 20 OCT 65
APPROVAL J.K. Tschabold 21 OCT 65
APPROVAL 1-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 18 Jan 66

Charleston 20 OCT 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET ASSEMBLY
(INSEPARABLE)

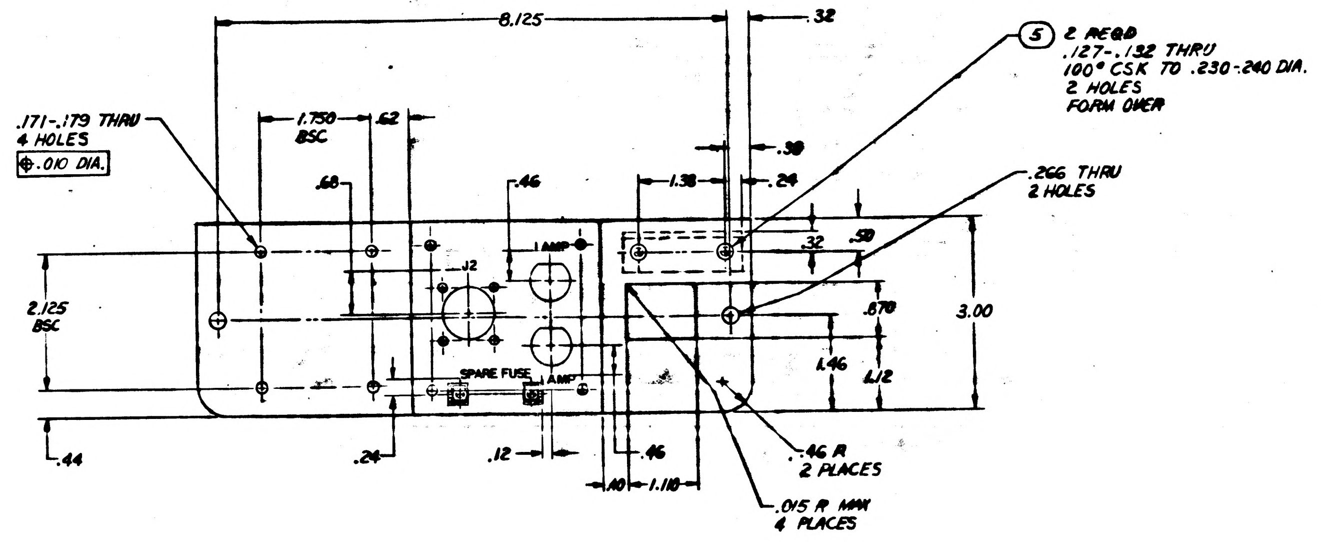
CODE IDENT NO. 99974
SIZE D
2900817
SCALE 1:1
SHEET 1 OF 1

MIL 1077 D-K

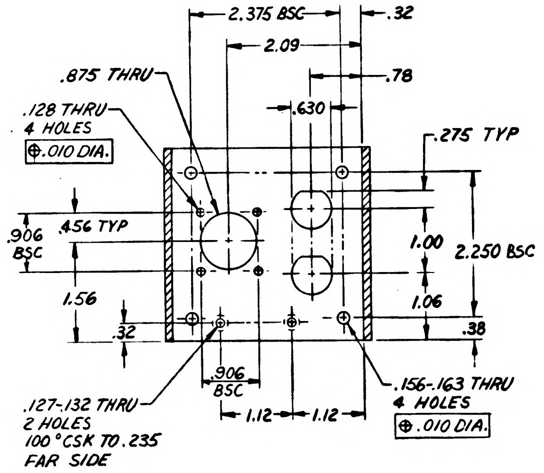
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
-	A	UPGRADE TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8 TEMPER H32 AL ALY (5052 H32, ES2105).
3. FINISH:
   - A. MIL-C-5541, CHEMICAL FILM (ES591).
   - B. APPLY ONE COAT OF ITEM ⑥ AND TWO COATS OF ITEM ⑦ TO SURFACES INDICATED ON ITEMS (1|5). ITEMS (2|3|4) MUST BE FREE FROM FINISH.
4. MUST BE FREE FROM BURRS AND SHARP EDGES
5. MARKING: MARK CHARACTERS .12 HIGH PER IID1002019, COLOR BLACK. CENTRALIZE AS SHOWN.
6. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
7. ITEMS (2|3) TO BE RIVETED TO ITEM ① WITH FLAT HEAD RIVETS, ITEMS (4|5). RIVETS TO BE FLUSH TO .016 BELOW SURFACE OF PANEL.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



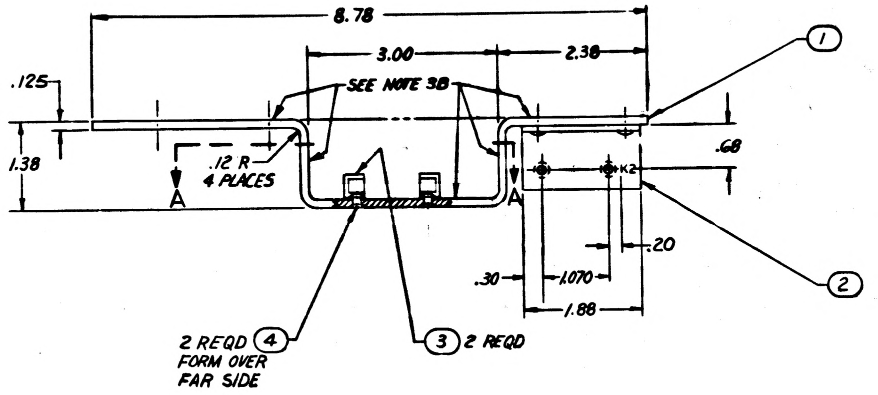
8.125
.32
⑤ 2 REQD .127-.132 THRU 100° CSK TO .230-.240 DIA. 2 HOLES FORM OVER
.171-.179 THRU 4 HOLES
⊕ .010 DIA.
1.750 BSC
.62
.68
.46
.38
.24
1.38
.32
.50
.266 THRU 2 HOLES
J2
1 AMP
SPARE FUSE
1 AMP
2.125 BSC
.870
3.00
1.46
2.12
.44
.24
.12
.46
.10
1.110
.46 R 2 PLACES
.015 R MAX 4 PLACES



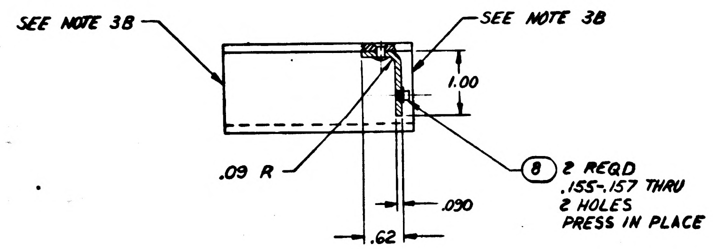
2.375 BSC
.32
2.09
.78
.875 THRU
.630
.128 THRU 4 HOLES
⊕ .010 DIA.
.275 TYP
.456 TYP
.906 BSC
1.00
2.250 BSC
1.56
1.06
.32
.38
.906 BSC
1.12
1.12
.127-.132 THRU 2 HOLES 100° CSK TO .235 FAR SIDE
.156-.163 THRU 4 HOLES
⊕ .010 DIA.

SECTION A-A

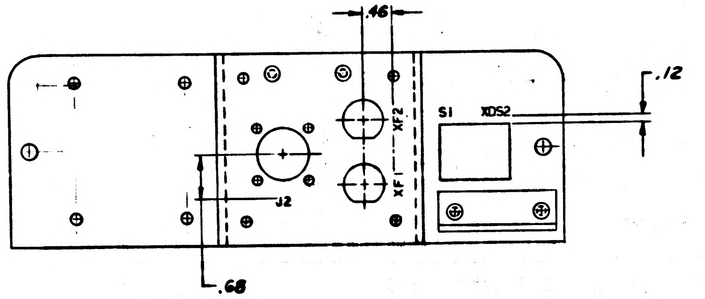
WITH ITEMS (3|4) REMOVED



8.78
3.00
2.38
①
.125
SEE NOTE 3B
1.38
.12 R 4 PLACES
A
A
K2
.68
.20
.30
1.070
1.88
②
2 REQD ④ FORM OVER FAR SIDE
③ 2 REQD



SEE NOTE 3B
SEE NOTE 3B
1.00
.09 R
⑧ 2 REQD .155-.157 THRU 2 HOLES PRESS IN PLACE
.090
.62



.46
.12
S1
XDS2
XF2
XF1
J2
.68

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 6	8	2	1015843-14	NUT, SELF-LOCKING, CLINCH
	7	AR	TT-E-529 CLASS B	ENAMEL, SEMI-GLOSS, LIGHT GRAY COLOR 26440 OF FED-STD-595
	6	AR	MIL-P-8585	PRIMER (ES2589)
	5	2	MS20426AD4-7	RIVET, SOLID-CSK 100°
	4	2	MS20426AD4-5	RIVET, SOLID-CSK 100°
SEE NOTE 6	3	2	1021574	FUSE CLIP
SEE NOTE 2	2	1	2900821-002	BRACKET
SEE NOTE 2	1	1	2900821-001	PANEL

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900826-011	2900063-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ ___	±.005	±2°
-	±.02	-

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Frank K. Tallen DATE 7 OCT 65
CHECKED 20 OCT 65
APPROVAL Fachabolt 21 OCT 65
APPROVAL 1-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

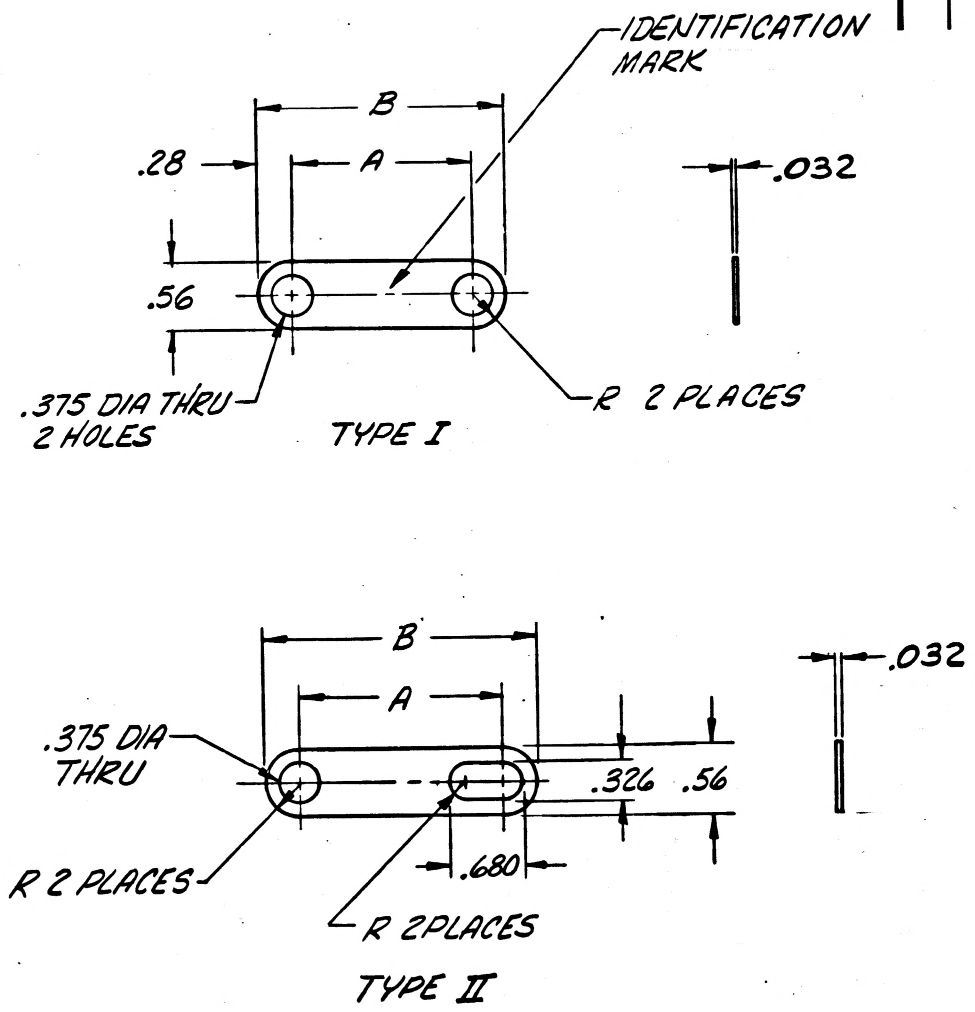
PANEL CASE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900821
SCALE 1:1
SHEET 1 OF 1

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-C-576 ½ HARD COPPER (ES 2118).
3. FINISH: QQ-N-290 CLASS 2 NICKEL PLATE.
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).

NASA DWG NO.	DIM A	DIM B	TYPE
2900824-001	1.05	1.61	I
2900824-002	1.19	1.75	I
2900824-003	1.47	2.03	II


IDENTIFICATION MARK
B
A
.28
.032
.56
.375 DIA THRU 2 HOLES
R 2 PLACES
TYPE I
B
A
.032
.375 DIA THRU
.326
.56
.680
R 2 PLACES
R 2PLACES
TYPE II

2900827-011	2900063-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ __	±.005	+ __
-	±.02	-

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN R. LaDue DATE 5 Oct 65
CHECKED J. G. Cymmone 26 OCT 65
APPROVAL J. R. Rehobold 28 OCT 65
APPROVAL [illegible] 1-7-66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL W [illegible] 18 Jan 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LINK, TERMINAL, CONNECTING

CODE IDENT NO. 99974
SIZE C
2900824
SCALE 1:1
SHEET 1 OF 1

Charleston 28 OCT. 65

MIL 1077C—P

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	UPGRADED TO CLASS A PER TDRR 25325	—	DEC 65	JJJ

NOTES:

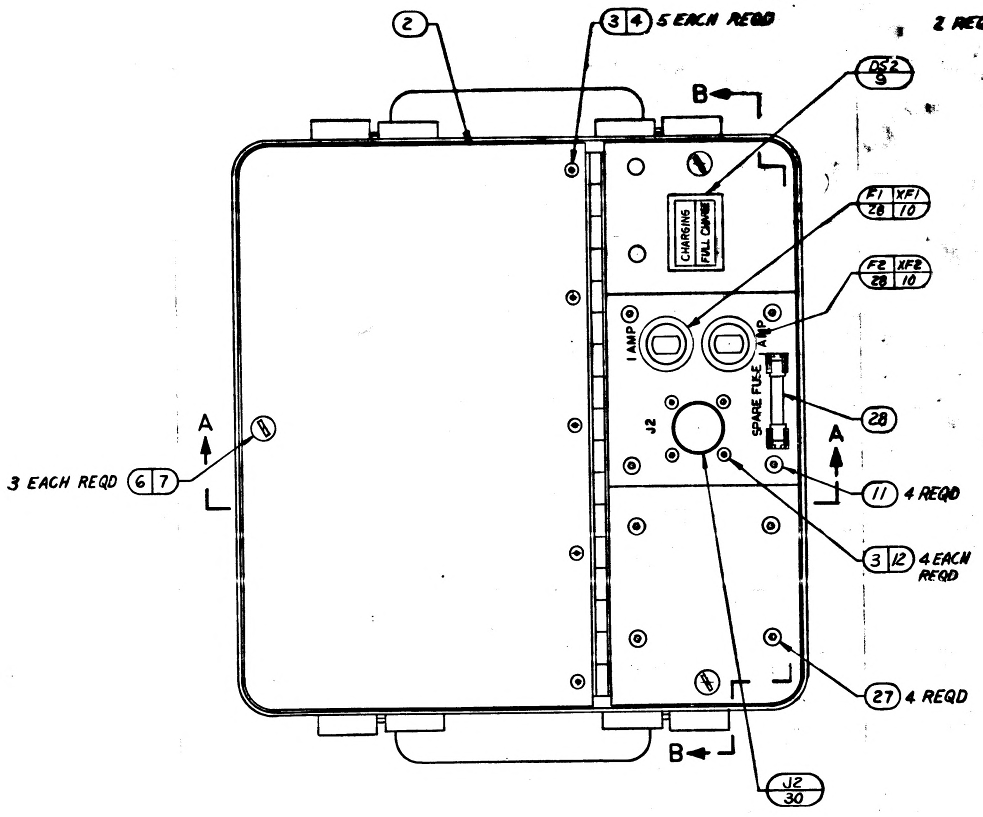
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 USING ITEMS (35|36) OR (34).
3. THESE ITEMS ARE PART OF THIS ASSEMBLY:

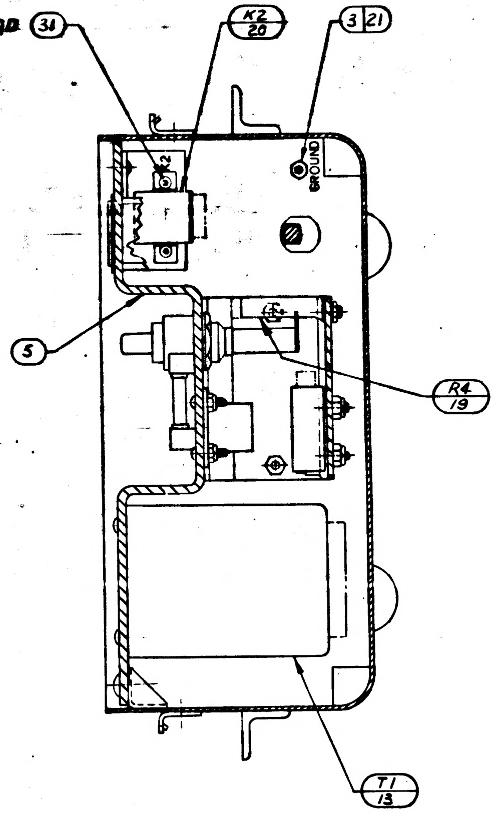
   (29) LEAD SET AA

4. DRAWING FOR REFERENCE:

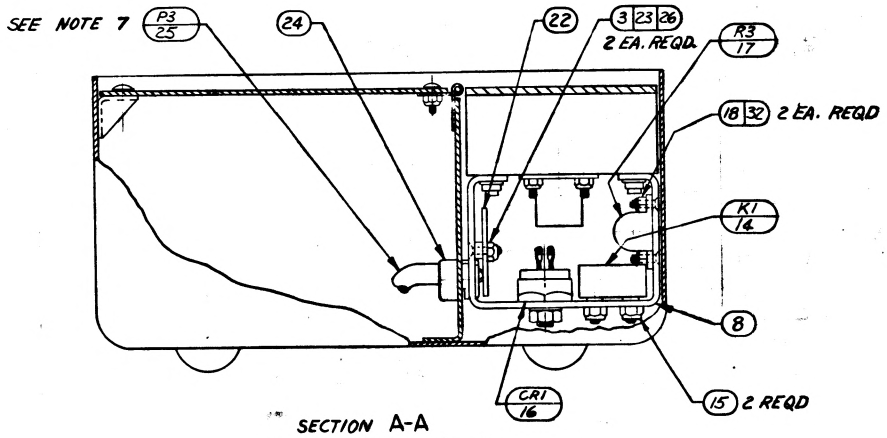
   SCHEMATIC DIAGRAM 2900811

5. VENDOR ITEM - SEE SOURCE OR SPECIFICATION CONTROL DRAWING.
6. MARKING: SILK SCREEN CHARACTERS PER ND1002112, .50 HIGH, USING ITEM (33), CHARACTER STYLE FUTURA DEMI-BOLD PER ND1002122. CENTRALIZE AS SHOWN.
7. CORD OF ITEM (25) SHALL PROJECT A MINIMUM OF 7 INCHES BEYOND STRAIN RELIEF BUSHING, ITEM (24), INTO CASE PANEL AREA SO AS TO FACILITATE INSTALLATION AND REMOVAL OF CASE PANEL FOR SERVICING.

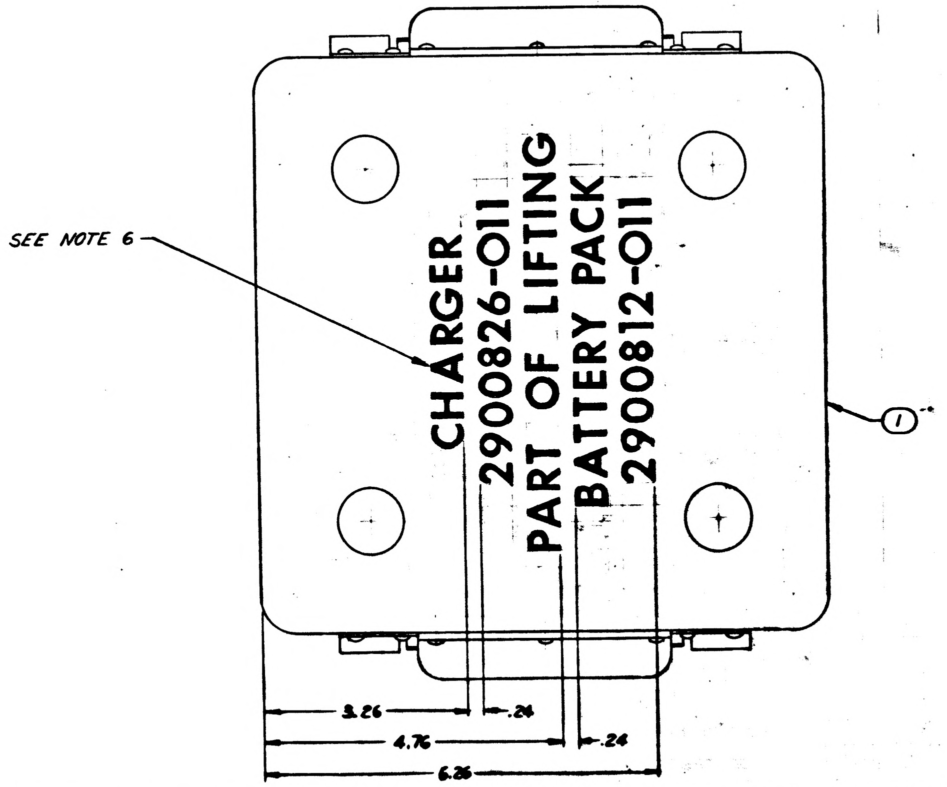

2
3 4 5 EACH REQD
B
DS2 9
CHARGING
FULL CHARGE
F1 XF1 28 10
F2 XF2 28 10
1 AMP
1 AMP
SPARE FUSE
J2
28
A
11 4 REQD
3 12 4 EACH REQD
27 4 REQD
J2 30
B
A
3 EACH REQD 6 7


2 REQD 31
K2 20
3 21
GROUND
K2
5
R4 19
T1 13

SECTION B-B


SEE NOTE 7
P3 25
24
22
3 23 26 2 EA. REQD.
R3 17
18 32 2 EA. REQD
K1 14
8
CR1 16
15 2 REQD

SECTION A-A


SEE NOTE 6
CHARGER
2900826-011
PART OF LIFTING
BATTERY PACK
2900812-011
1
3.26
.24
4.76
.24
6.26

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
						37		
				AR		36	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		35	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				AR		34	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		33	ND1002111	ENAMEL, SEMI-GLOSS, COLOR BLACK, NO. 514 OF ANA 157
SEE NOTE 5				2		32	1016151-002	NUT, SELF LOCKING
				2		31	1017418-9	SCREW, CAP, SOCKET HD.
				1		30	MS3127E-14-12P	CONNECTOR, PLUG
				1		29		LEAD SET AA
				3		28	F02B250V1AS (1897099-127)	FUSE MIL-F-15160/02
SEE NOTE 5				4		27	1000093-25	SCREW, BUTTON HD - SELF LOCK
SEE NOTE 5				2		26	1010630-17	SCREW, FLAT HD. 100°
SEE NOTE 5				1		25	1016250	CORD SET
SEE NOTE 5				1		24	1015987-006	BUSHING-STRAIN RELIEF
SEE NOTE 5				2		23	1015860-025	SPACER, FIBRE
				1		22	2900810-011	ELECTRONICS COMPONENTS ASSY
SEE NOTE 5				1		21	1010630-14	SCREW, FLAT HD. 100°
SEE NOTE 5				1		20	1015832-12	RELAY, ELECTROMAGNETIC
				1		19	1897260-005	RESISTOR, VARIABLE
SEE NOTE 5				2		18	1010630-5	SCREW, FLAT HD. 100°
				1		17	RE75G10R0 (1896982-193)	RESISTOR MIL-R-18546 B
SEE NOTE 5				1		16	1897277-001	RECTIFIER, BRIDGE
SEE NOTE 5				2		15	1016151-006	NUT, SELF LOCKING
SEE NOTE 5				1		14	1015982-002	RELAY, ARMATURE
SEE NOTE 5				1		13	1897360	TRANSFORMER
SEE NOTE 5				4		12	1006783-20	SCREW, BUTTON HD.
SEE NOTE 5				4		11	1006783-23	SCREW, BUTTON HD.
SEE NOTE 5				2		10	1015873-001	FUSEHOLDER
SEE NOTE 5				1		9	1897337-701	LIGHT, INDICATOR SWITCH ASSY.
				1		8	2900817	BRACKET ASSEMBLY (INSEP.)
SEE NOTE 5				3		7	1015852-001	WASHER, RETAINING
SEE NOTE 5				3		6	1015853-007	FASTENER, STUD, OVAL
				1		5	2900821	PANEL, CASE (INSEP. ASSY.)
SEE NOTE 5				5		4	1006783-19	SCREW, BUTTON HD.
SEE NOTE 5				12		3	1016151-004	NUT, SELF LOCKING
				1		2	2900822	COVER, CASE
				1		1	2900813	CASE, CHARGER (INSEP. ASSY.)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2900063-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — −
DECIMALS ±.02 ± —
ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN Frank R. Walter 18 OCT 65
DATE 25 OCT 65
CHECKED
APPROVAL 21 OCT 65
APPROVAL 10-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY CHARGER

CODE IDENT NO. 99974
SIZE E
2900826
SCALE 1:1
SHEET 1 OF 1

20 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 USING ITEMS (35|36) OR (34).
3. THESE ITEMS ARE PART OF THIS ASSEMBLY:

   (29) 2900891 WIRING HARNESS A

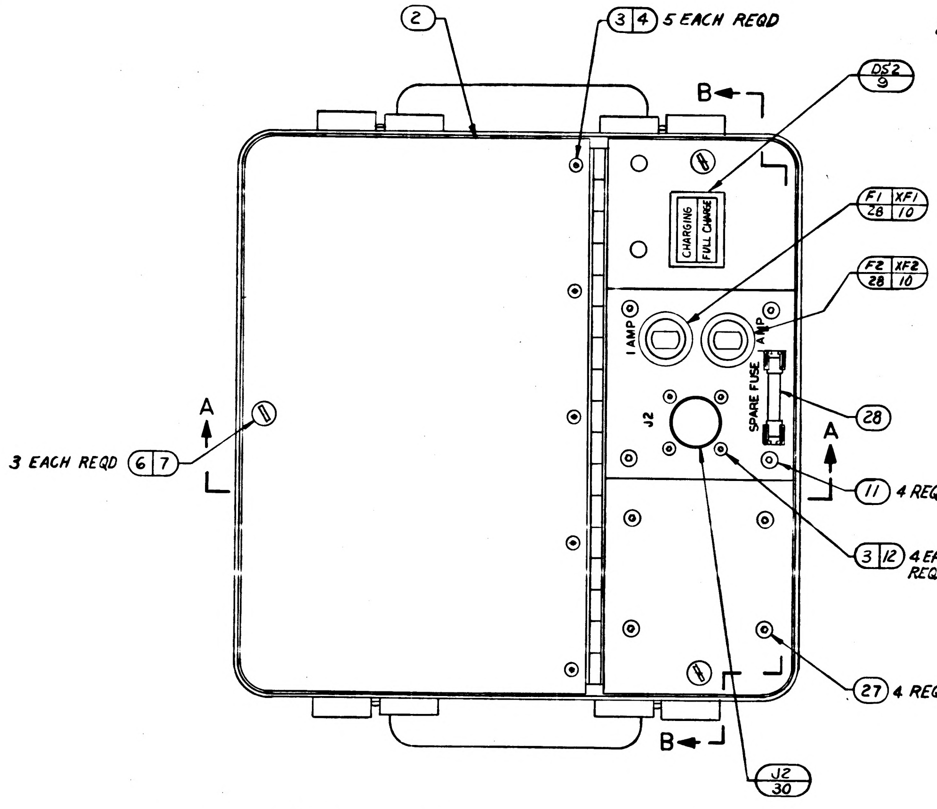
4. DRAWING FOR REFERENCE:

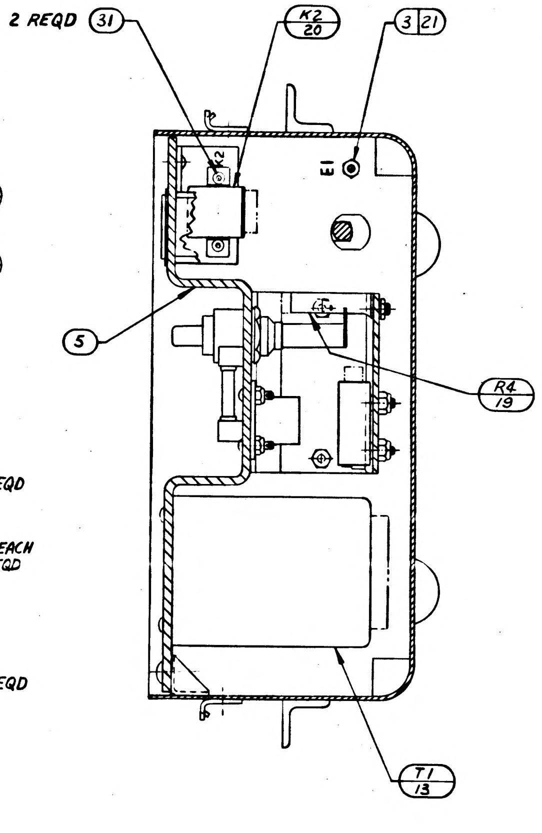
   SCHEMATIC DIAGRAM 2900811

5. VENDOR ITEM - SEE SOURCE OR SPECIFICATION CONTROL DRAWING.
6. MARKING: SILK SCREEN CHARACTERS PER ND1002112, .50 HIGH, USING ITEM (33), CHARACTER STYLE FUTURA DEMI-BOLD PER ND1002122. CENTRALIZE AS SHOWN.
7. CORD OF ITEM (25) SHALL PROJECT A MINIMUM OF 7 INCHES BEYOND STRAIN RELIEF BUSHING, ITEM (24), TO FACILIATE REMOVAL OF PANEL FOR SERVICING. PREPARE AND INSTALL ITEM (25) AS FOLLOWS:

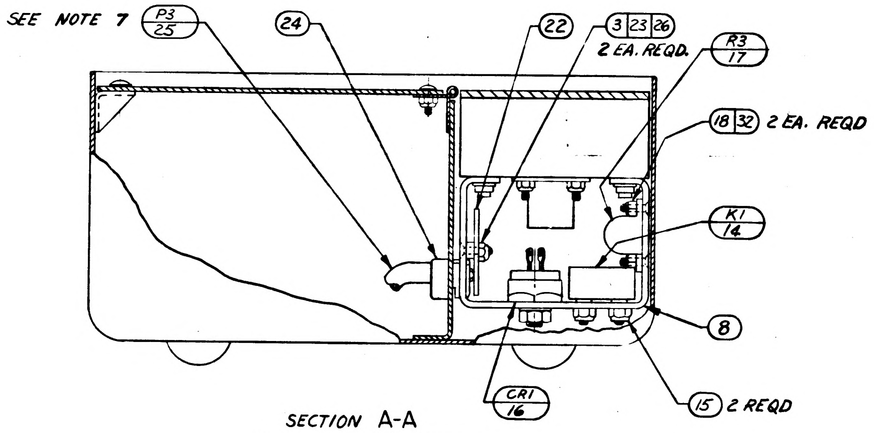
COND. COLOR	CKT PT TO	STRIP WIRE	TIN	ACCESSORY ITEM
BLK	XF1-1	.30	YES	------
WHT	XF2-1	.30	YES	------
GRN	E1	.20	NO	38

8. CALIBRATION OF CUT-OFF VOLTAGE:
   (a.) COMPLETE CONTINUITY AND RESISTANCE CHECK PER PS 2900812.
   (b.) TURN R4 FULLY CW.
   (C.) WITH NO OTHER EXTERNAL POWER CONNECTED TO UNIT, APPLY 37.4 TO 37.6 VDC BETWEEN S1-L1-1 (HI) AND J2-L (LO). "CHARGING" LAMP WILL BE ILLUMINATED.
   (d.) TURN R4 SLOWLY CCW UNTIL "CHARGING" LAMP EXTINGUISHES AND "FULL CHARGE" ILLUMINATES.
   (e.) REDUCE APPLIED VOLTAGE TO APPROXIMATELY 30 VDC. MOMENTARILY REMOVE VOLTAGE AND RE-APPLY. SLOWLY INCREASE VOLTAGE AND VERIFY THAT "FULL CHARGE" LAMP ILLUMINATES BETWEEN 36.9 AND 37.1 VDC.

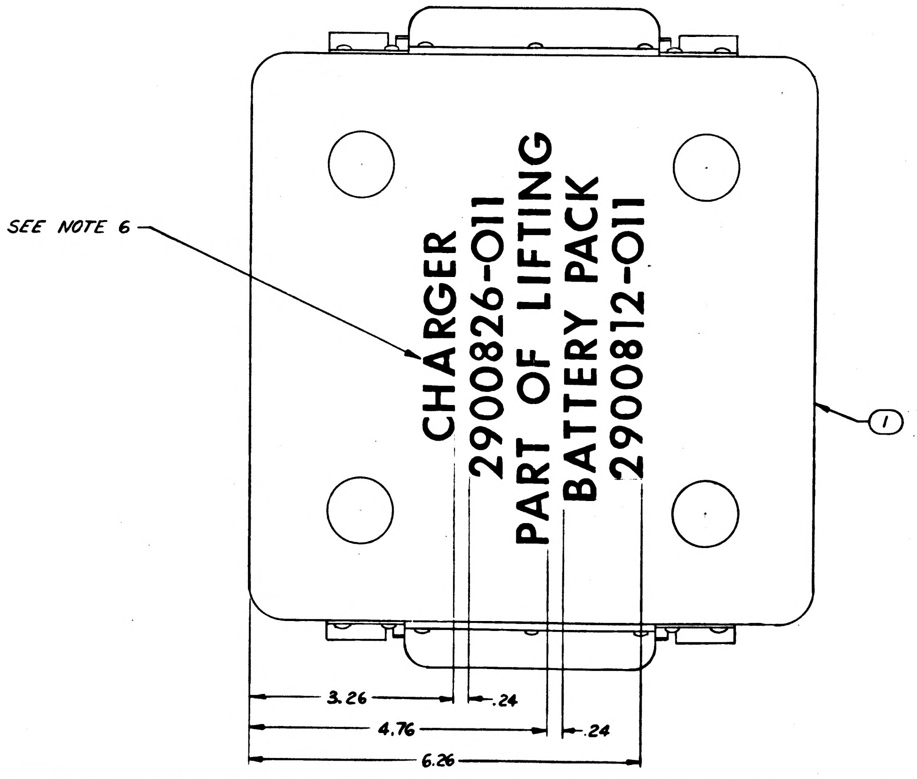




SECTION B-B



SECTION A-A



	QTY REQD			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7				1		38	1015902-49	TERMINAL, LUG
						37		
				AR		36	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		35	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				AR		34	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		33	ND1002111	ENAMEL, SEMI-GLOSS, COLOR BLACK, NO. 514 OF ANA 157
SEE NOTE 5				2		32	1016151-002	NUT, SELF LOCKING
				2		31	1017418-9	SCREW, CAP, SOCKET HD.
				1		30	MS3127E-14-12P	CONNECTOR, PLUG
SEE NOTE 3				1		29	2900891	WIRING HARNESS A
				3		28	F02B250V1AS (1897099-127)	FUSE MIL-F-15160/02
SEE NOTE 5				4		27	1000093-25	SCREW, BUTTON HD - SELF LOCK
SEE NOTE 5				2		26	1010630-17	SCREW, FLAT HD. 100°
SEE NOTE 5				1		25	1016250	CORD SET
SEE NOTE 5				1		24	1015987-006	BUSHING-STRAIN RELIEF
SEE NOTE 5				2		23	1015860-025	SPACER, FIBRE
				1		22	2900810-011	ELECTRONICS COMPONENTS ASSY
SEE NOTE 5				1		21	1010630-14	SCREW, FLAT HD. 100°
SEE NOTE 5				1		20	1015832-12	RELAY, ELECTROMAGNETIC
				1		19	1897260-005	RESISTOR, VARIABLE
SEE NOTE 5				2		18	1010630-5	SCREW, FLAT HD. 100°
				1		17	RE75G10R0 (1896982-193)	RESISTOR MIL-R-18546/1B
SEE NOTE 5				1		16	1897277-001	RECTIFIER, BRIDGE
SEE NOTE 5				2		15	1016151-006	NUT, SELF LOCKING
SEE NOTE 5				1		14	1015982-002	RELAY, ARMATURE
SEE NOTE 5				1		13	1897360	TRANSFORMER
SEE NOTE 5				4		12	1006783-20	SCREW, BUTTON HD.
SEE NOTE 5				4		11	1006783-23	SCREW, BUTTON HD.
SEE NOTE 5				2		10	1015873-001	FUSEHOLDER
SEE NOTE 5				1		9	1897337-701	LIGHT, INDICATOR SWITCH ASSY.
				1		8	2900817	BRACKET ASSEMBLY (INSEP.)
SEE NOTE 5				3		7	1015852-001	WASHER, RETAINING
SEE NOTE 5				3		6	1015853-007	FASTENER STUD, OVAL
				1		5	2900821	PANEL, CASE (INSEP. ASSY.)
SEE NOTE 5				5		4	1006783-19	SCREW, BUTTON HD.
SEE NOTE 5				12		3	1016151-004	NUT, SELF LOCKING
				1		2	2900822	COVER, CASE
				1		1	2900813	CASE, CHARGER (INSEP. ASSY.)

LIST OF PARTS AND MATERIALS

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	UPGRADED TO CLASS A PER TDRR 25325	—	DEC 65	JJJ
	B	REVISED PER TDRR 26101		17 FEB 66	JHF

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2900065-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS ±.02 ± — | ANGLES + — −

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Frank P. Walker DATE 18OCT65
CHECKED
APPROVAL 2 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY CHARGER

CODE IDENT NO. 99974
SIZE E
2900826
SCALE 1:1
SHEET 1 OF 1

Checklister 20OCT65

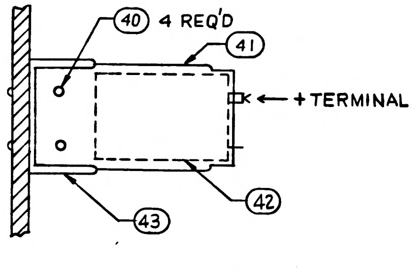
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J
	B	REVISED PER TDRR 26101		17 FEB 66	J.H.P.
	C	REVISED PER TDRR 32147		3 DEC 66	ME

NOTES:

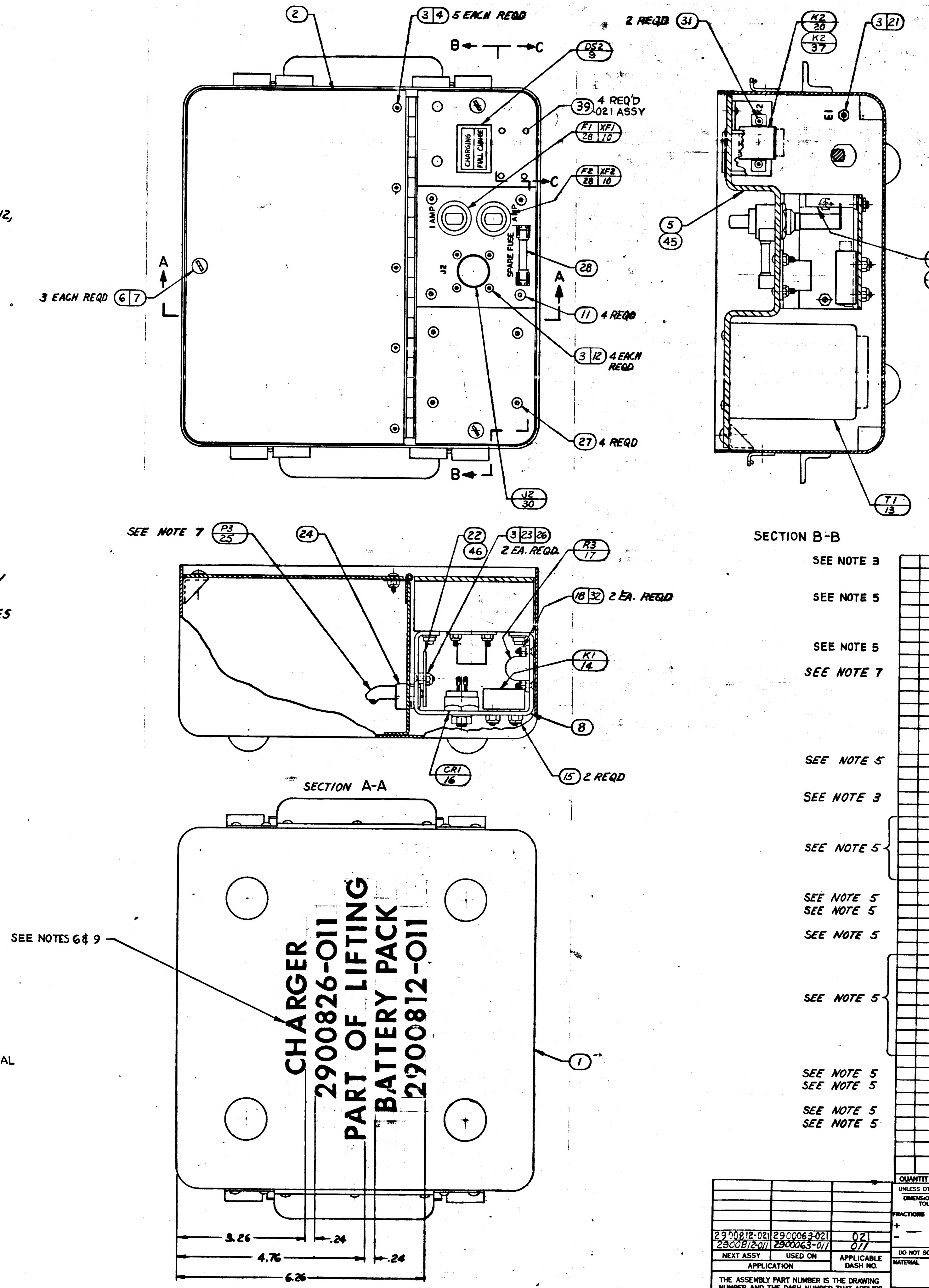
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 USING ITEMS (35)(36) OR (34).
3. THESE ITEMS ARE PART OF THIS ASSEMBLY:
   (29) 2900891 WIRING HARNESS A (-011)
   (47) 2901579 WIRING HARNESS A (-021)
4. DRAWING FOR REFERENCE:
   SCHEMATIC DIAGRAM 2900811 (-011)
   2901581 (-021)
5. VENDOR ITEM - SEE SOURCE OR SPECIFICATION CONTROL DRAWING.
6. MARKING: SILK SCREEN CHARACTERS PER ND1002112, .50 HIGH, USING ITEM (33), CHARACTER STYLE FUTURA DEMI-BOLD PER ND1002122. CENTRALIZE AS SHOWN.
7. CORD OF ITEM (25) SHALL PROJECT A MINIMUM OF 7 INCHES BEYOND STRAIN RELIEF BUSHING, ITEM (24), TO FACILIATE REMOVAL OF PANEL FOR SERVICING. PREPARE AND INSTALL ITEM (25) AS FOLLOWS:

COND. COLOR	CKT PT TO	STRIP WIRE	TIN	ACCESSORY ITEM
BLK	XF1-1	.30	YES	------
WHT	XF2-1	.30	YES	------
GRN	E1	.20	NO	38

8. CALIBRATION OF CUT-OFF VOLTAGE:
   (a.) COMPLETE CONTINUITY AND RESISTANCE CHECK PER PS 2900812.
   (b.) TURN R4 FULLY CW.
   (C.) WITH NO OTHER EXTERNAL POWER CONNECTED TO UNIT, APPLY 37.0 VDC BETWEEN S1L1-1 (HI) AND J2-L (LO). "CHARGING" LAMP WILL BE ILLUMINATED.
   (d.) TURN R4 SLOWLY CCW UNTIL "CHARGING" LAMP EXTINGUISHES AND "FULL CHARGE" ILLUMINATES.
   (e.) REDUCE APPLIED VOLTAGE TO APPROXIMATELY 30 VDC. MOMENTARILY REMOVE VOLTAGE AND RE-APPLY. SLOWLY INCREASE VOLTAGE AND VERIFY THAT "FULL CHARGE" LAMP ILLUMINATES BETWEEN 36.9 AND 37.1 VDC.
9. DASH NUMBERS SHALL BE USED ONLY FOR -011 CONFIGURATION.



PARTIAL SECTION CC
(FOR -021 CONFIGURATION)



SECTION B-B

SECTION A-A

			021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3			1	–		47	2901579	WIRING HARNESS A
			1	–		46	2900810-021	ELECTRONICS COMP. ASSY.
			1	–		45	2901577	PANEL CASE (INSEP. ASSY.)
SEE NOTE 5			1	–		44	1897260-008	RESISTOR, VARIABLE
			1	–		43	2901564	MOUNTING BLOCK
			1	–		42	CL53CJ551UP3 (1896936-024	CAPACITOR
			1	–		41	2901562	BRACKET CAPACITOR
SEE NOTE 5			4	–		40	1000093-15	SCREW BUTTON HD SELFLOCKING
			4	–		39	MS35216-17	SCREW
SEE NOTE 7			1	1		38	1015902-49	TERMINAL, LUG
			1	–		37	1015832-18	RELAY
			AR	AR		36	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
			AR	AR		35	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
			AR	AR		34	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
			AR	AR		33	ND1002111	ENAMEL, SEMI-GLOSS, COLOR BLACK NO. 514 OF ANA 157
SEE NOTE 5			2	2		32	1016151-002	NUT, SELF LOCKING
			2	2		31	1017418-9	SCREW, CAP, SOCKET HD.
			1	1		30	MS3127E-14-12P	CONNECTOR, PLUG
SEE NOTE 3			–	1		29	2900891	WIRING HARNESS A
			3	3		28	F02B250V1AS (1897099-127)	FUSE MIL-F-15160/02
SEE NOTE 5			4	4		27	1000093-25	SCREW, BUTTON HD - SELF LOCK
			2	2		26	1010630-17	SCREW, FLAT HD. 100°
			1	1		25	1016250	CORD SET
			1	1		24	1015987-006	BUSHING-STRAIN RELIEF
			2	2		23	1015860-025	SPACER, FIBRE
			–	1		22	2900810-011	ELECTRONICS COMPONENTS ASSY
SEE NOTE 5			1	1		21	1010630-14	SCREW, FLAT HD. 100°
SEE NOTE 5			–	1		20	1015832-12	RELAY, ELECTROMAGNETIC
			–	1		19	1897260-005	RESISTOR, VARIABLE
SEE NOTE 5			2	2		18	1010630-5	SCREW, FLAT HD. 100°
			1	1		17	RE75G10R0 (1896982-193)	RESISTOR MIL-R-18546/1B
SEE NOTE 5			1	1		16	1897277-001	RECTIFIER, BRIDGE
			2	2		15	1016151-006	NUT, SELF LOCKING
			1	1		14	1015982-002	RELAY, ARMATURE
			1	1		13	1897360	TRANSFORMER
			4	4		12	1006783-20	SCREW, BUTTON HD.
			4	4		11	1006783-23	SCREW, BUTTON HD.
			2	2		10	1015873-001	FUSEHOLDER
			1	1		9	1897337-701	LIGHT, INDICATOR SWITCH ASSY.
			1	1		8	2900817	BRACKET ASSEMBLY (INSEP.)
SEE NOTE 5			3	3		7	1015852-001	WASHER, RETAINING
SEE NOTE 5			3	3		6	1015853-007	FASTENER, STUD, OVAL
			–	1		5	2900821	PANEL, CASE (INSEP. ASSY.)
SEE NOTE 5			5	5		4	1006783-19	SCREW, BUTTON HD.
SEE NOTE 5			12	12		3	1016151-004	NUT, SELF LOCKING
			1	1		2	2900822	COVER, CASE
			1	1		1	2900813	CASE, CHARGER (INSEP. ASSY.)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-021	2900063-021	021
2900812-011	2900063-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − | DECIMALS ±.02 ± — | ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Frank R. Walton DATE 18 OCT 65
20 OCT 65
CHECKED
APPROVAL 21 OCT 65
APPROVAL 1-13-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

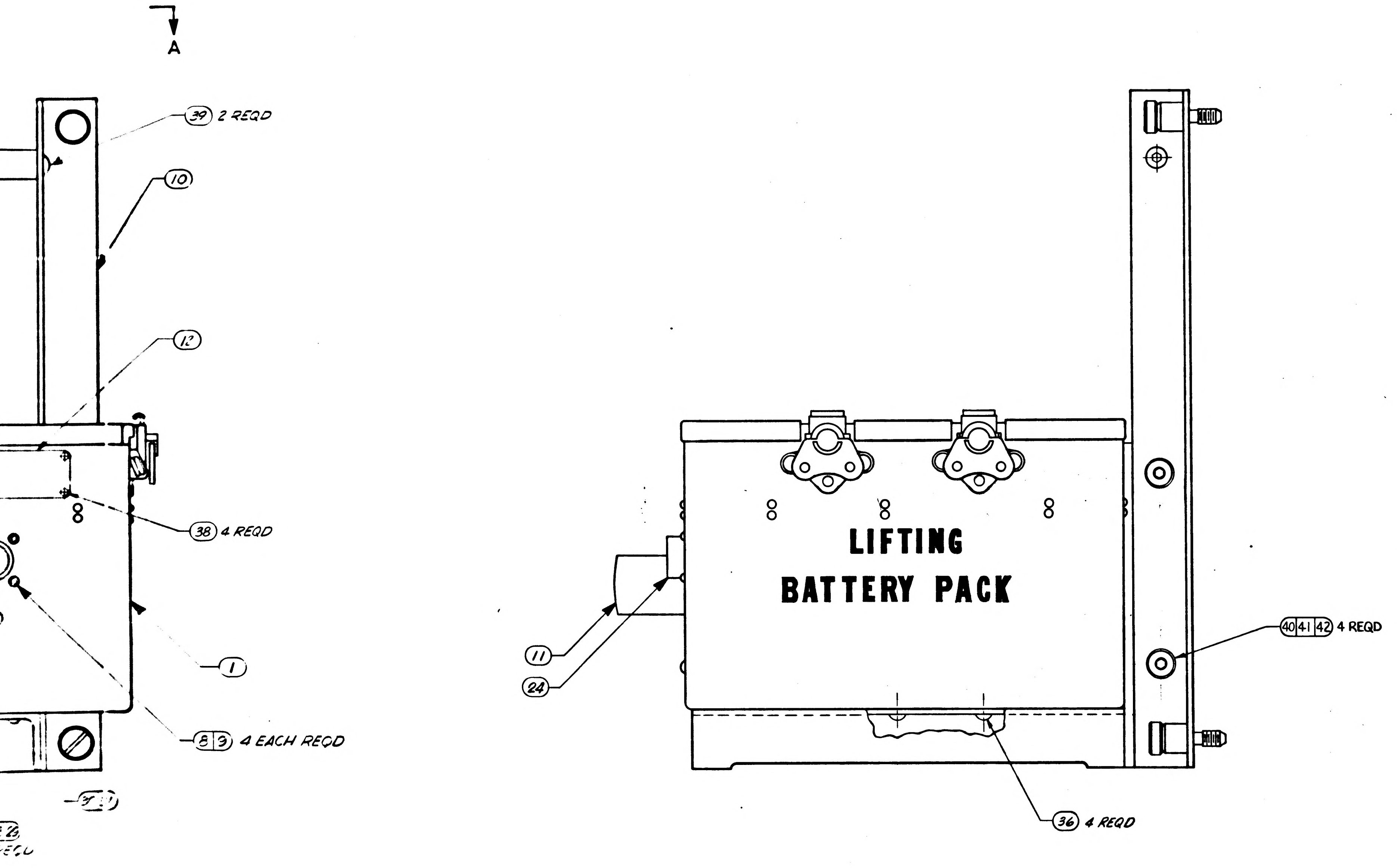
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY CHARGER

CODE IDENT NO. 99974
SIZE E
2900826
SCALE 1:1
SHEET 1 OF 1

Charleston 20 Oct 65

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207020		1 DEC 65	
B		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	J J J



	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	4		42	AN960-C516L	( ) WASHER, FLAT
SEE NOTE 2	4		41	1016151-014	NUT, SELF LOCKING
SEE NOTE 2	4		40	1006783-70	SCREW, BUTTON HD.
	2		39	1006783-57	SCREW, BUTTON HD
SEE NOTE 2	4		38	1006783-9	SCREW, BUTTON HD
			37		
SEE NOTE 2	5		36	1006783-23	SCREW, BUTTON HD
SEE NOTE 2	16		35	1006783-24	SCREW, BUTTON HD
	1		34	2900823	COVER, BATTERY
	2		33	2900816	SPACER, PLATE, BATTERY
	16		32	2900829	WASHER, FLAT
SEE NOTE 2	1		31	1000093-12	SCREW, BUTTON HD
SEE NOTE 2	1		30	1017488-2	TERMINAL STAND OFF
	4		29	MS35338-80	WASHER, LOCK
	5		28	AN960C8L	WASHER, FLAT
SEE NOTE 2	1		27	1016151-008	NUT, SELF LOCKING
	1		26	2900888	PLATE, CAUTION
	1		25	MS35333-72	WASHER, LOCKING
	1		24	MS3127E-14-12SX	CONNECTOR, RECEPTACLE
	1		23		LEAD SET 8-8
SEE NOTE 2	1		22	1006783-27	SCREW, BUTTON HD
			21		
			20		
			19		
SEE NOTE 2	1		18	1006783-22	SCREW, BUTTON HD
	9		17	2900824-003	LINK, TERMINAL, CONNECTING
	1		16	2900824-002	LINK, TERMINAL, CONNECTING
	2		15	2900824-001	LINK, TERMINAL, CONNECTING
SEE NOTE 2	36		14	1897329-001	BUMPER, RUBBER
	18		13	1897339-001	BATTERY
	1		12	1004260-149	NAMEPLATE
SEE NOTE 2	1		11	1897365	FLASHER, XENON TUBE
	1		10	2900820	SUPPORT, RIGHT HAND (INSEP ASSY
SEE NOTE 2	4		9	1016151-004	NUT, SELF LOCKING
SEE NOTE 2	4		8	1006733-20	SCREW, BUTTON HD
	1		7	2900819	SUPPORT, LEFT HAND (INSEP ASSY)
	1		6	2900818	HANDLE, BATTERY POWER SUPPLY
SEE NOTE 2	4		5	1006783-26	SCREW, BUTTON HD
	~~4~~		4	~~MS171528~~	~~PIN, SPRING~~
			3		
	1		2	2900815	SPACER, PLATE, BATTERY (INSEP ASSY)
	1		1	2900828	CASE (INSEP ASSY)

LIST OF PARTS AND MATERIALS

2900812-011	2900063-011	
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN DATE 15-OCT-65
CHECKED R Sayler 3 Nov 65
APPROVAL 4 Nov 65
APPROVAL
A. C. METZGER
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

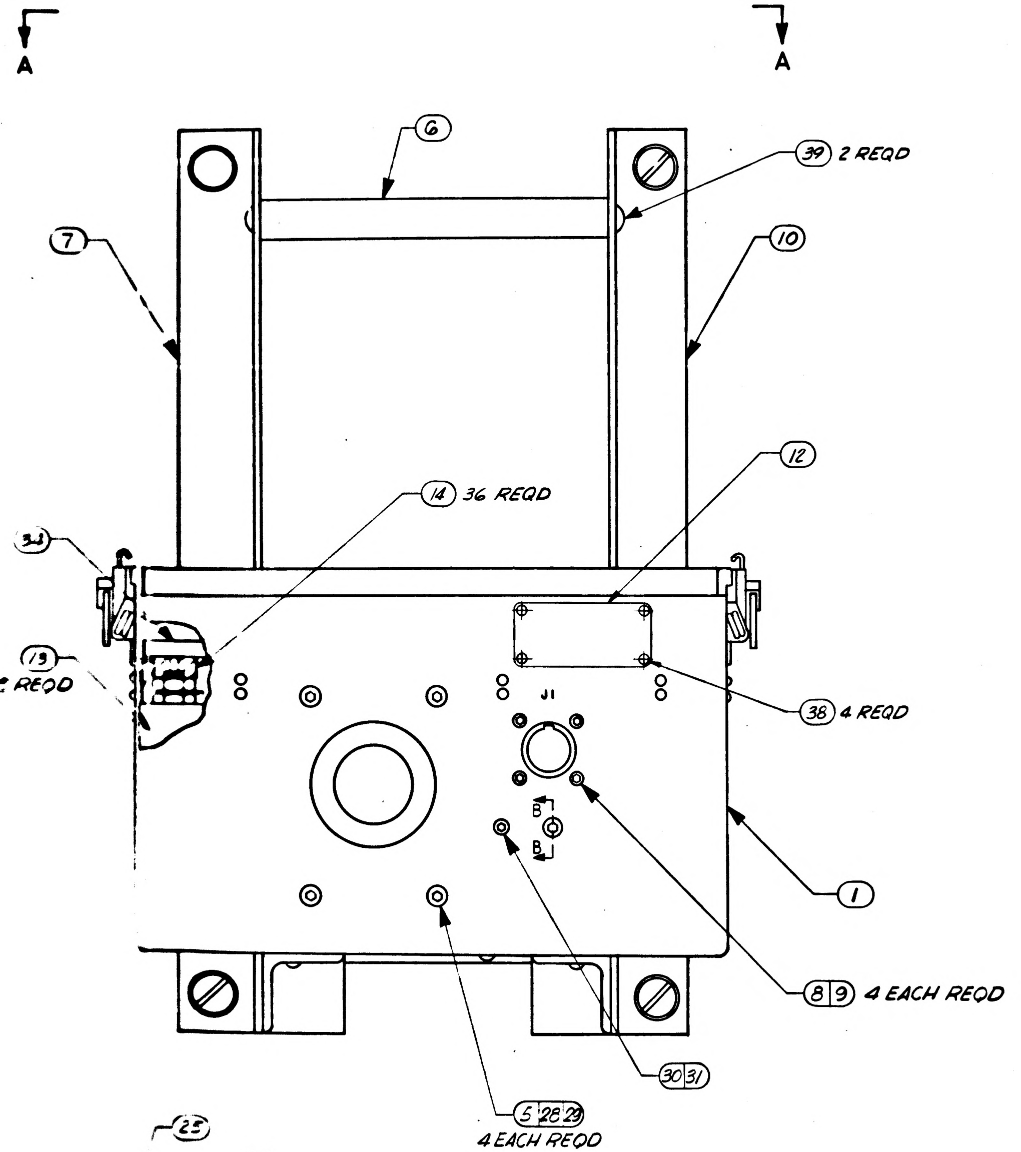
BATTERY POWER
SUPPLY

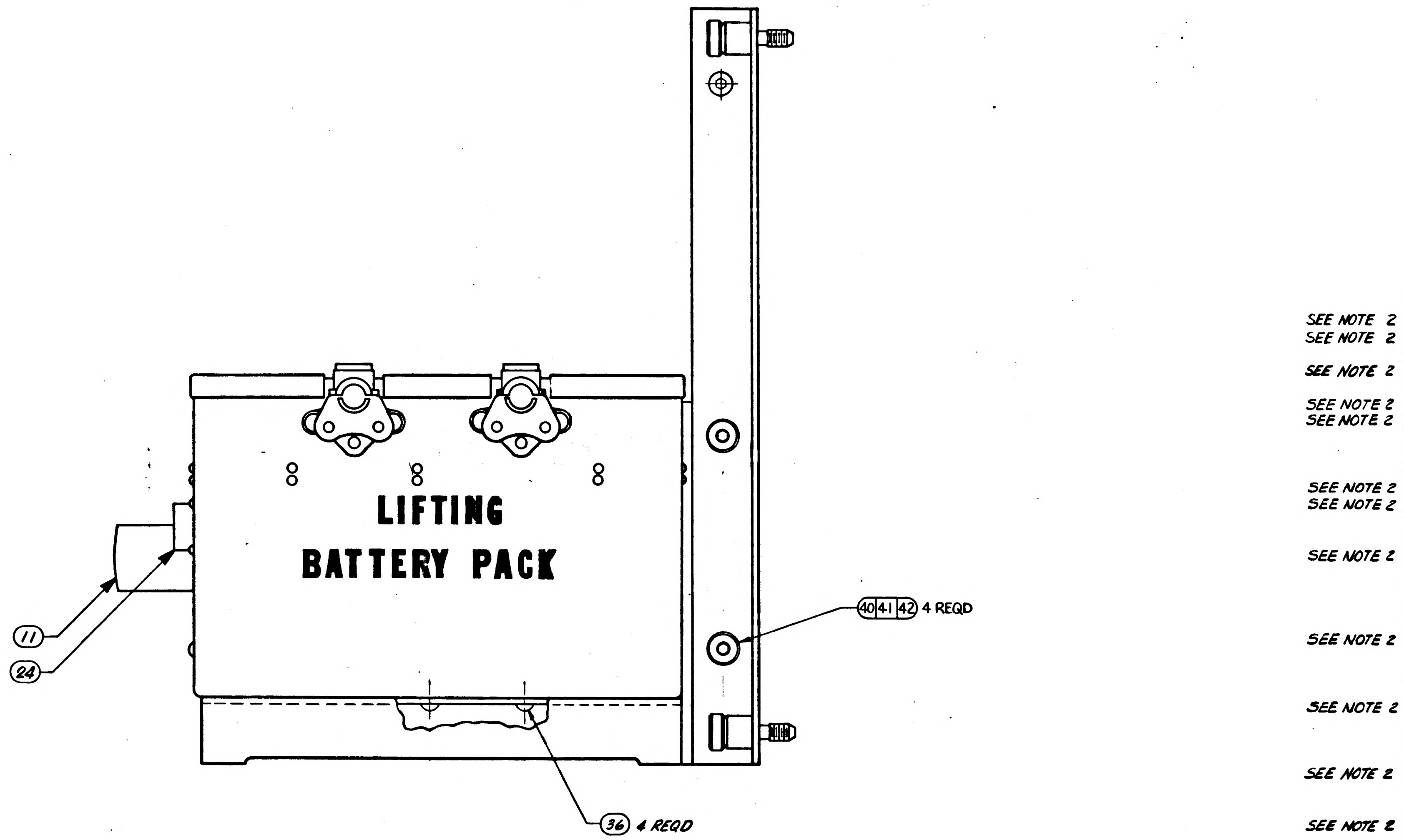
CODE IDENT NO. 99974
SIZE J2
2900827
SCALE FULL
SHEET 1 OF 1

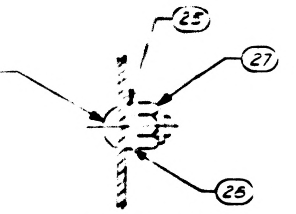
2900827 | 1 | B

3H

SYM	ZONE	DESCRIPTION
A		REVISED PER NNC 3
B		UPGRADED TO CLASS A TORR 25525







SECTION B-B
SCALE 2:1

				4		42	AN960-C516L	(
SEE NOTE 2				4		41	1016151-014	NUT, SEL
SEE NOTE 2				4		40	1006783-10	SCREW,
				2		39	1006783-57	SCREW
SEE NOTE 2				4		38	1006783-9	SCREW
						37		
SEE NOTE 2				5		36	1006783-23	SCREW
SEE NOTE 2				16		35	1006783-14	SCREW,
				1		34	2900823	COVER,
				2		33	2900816	SPACER
				16		32	2900829	WASHER
SEE NOTE 2				1		31	1000093-12	SCREW,
SEE NOTE 2				1		30	1017488-2	TERMIN
				4		29	MS35338-80	WASHE
				5		28	AN960C8	WASHER
SEE NOTE 2				1		27	1016151-008	NUT, S
				1		26	2900836	PLATE
				1		25	MS35333-72	WASHE
				1		24	MS3127E-1[illegible]-25X	CONNEC
				1		23		LEAD S
SEE NOTE 2				1		22	1006783-27	SCREW
						21		
						20		
						19		
SEE NOTE 2				[illegible]		18	1006783-22	SCRE
				9		17	2900824-003	LINK, T
						16	2900824-002	LINK, T
				2		15	2900824-00[illegible]	LINK,
SEE NOTE 2				36		14	[illegible]-30	BU[illegible]
				8		13	[illegible]-30	BATT
						12	[illegible]-29	VALVE
SEE NOTE 2				1		11	[illegible]	FLAS
						10	2900820	SUPPO
SEE NOTE 2				4		9	[illegible]	NU
SEE NOTE 2				4		8	[illegible]83-2[illegible]	SCRE
				1		7	29008[illegible]9	SUPPORT
				1		6	29008[illegible]8	HANDLE
SEE NOTE 2				4		5	[illegible]83-2[illegible]	SCRE
				~~4~~		4	~~[illegible]~~	~~[illegible]~~
						3		
				1		2	29008[illegible]5	SPACER
				1		1	2900828	CASE
	QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS A

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2900063-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.

DRAWN DATE
CHECKED
APPROVAL
APPROVAL
A. C. M.
NASA APPROVAL
MIT APPROVAL

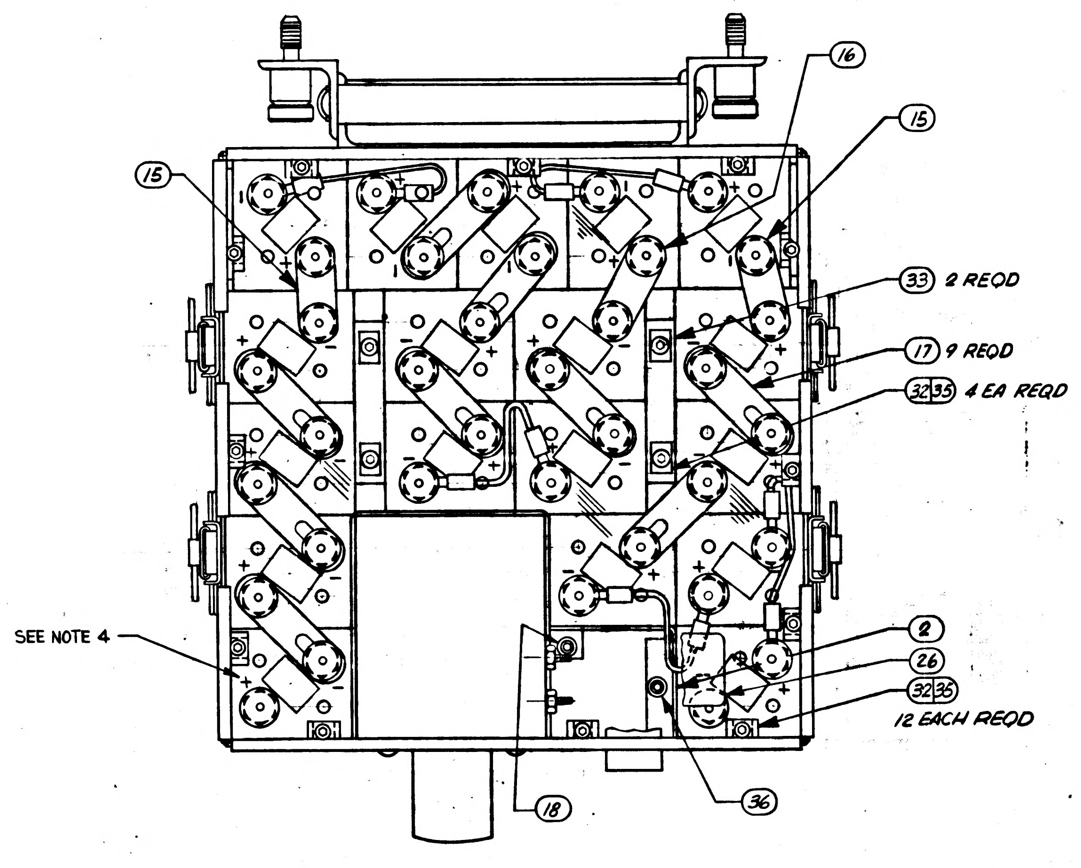
BATT

CODE IDENT NO. 99974
SIZE J2
SCALE FULL

2900827 SH 1 REV B

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. DRAWINGS FOR REFERENCE:
   SCHEMATIC DIAGRAM 2900811
4. AT ASSEMBLY OF BATTERIES, ITEM ⑬, INTO CASE, ITEM ①, BATTERIES MUST BE ORIENTED FOR POLARITY AS SHOWN.



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㉝ 2 REQD
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SEE NOTE 4
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12 EACH REQD
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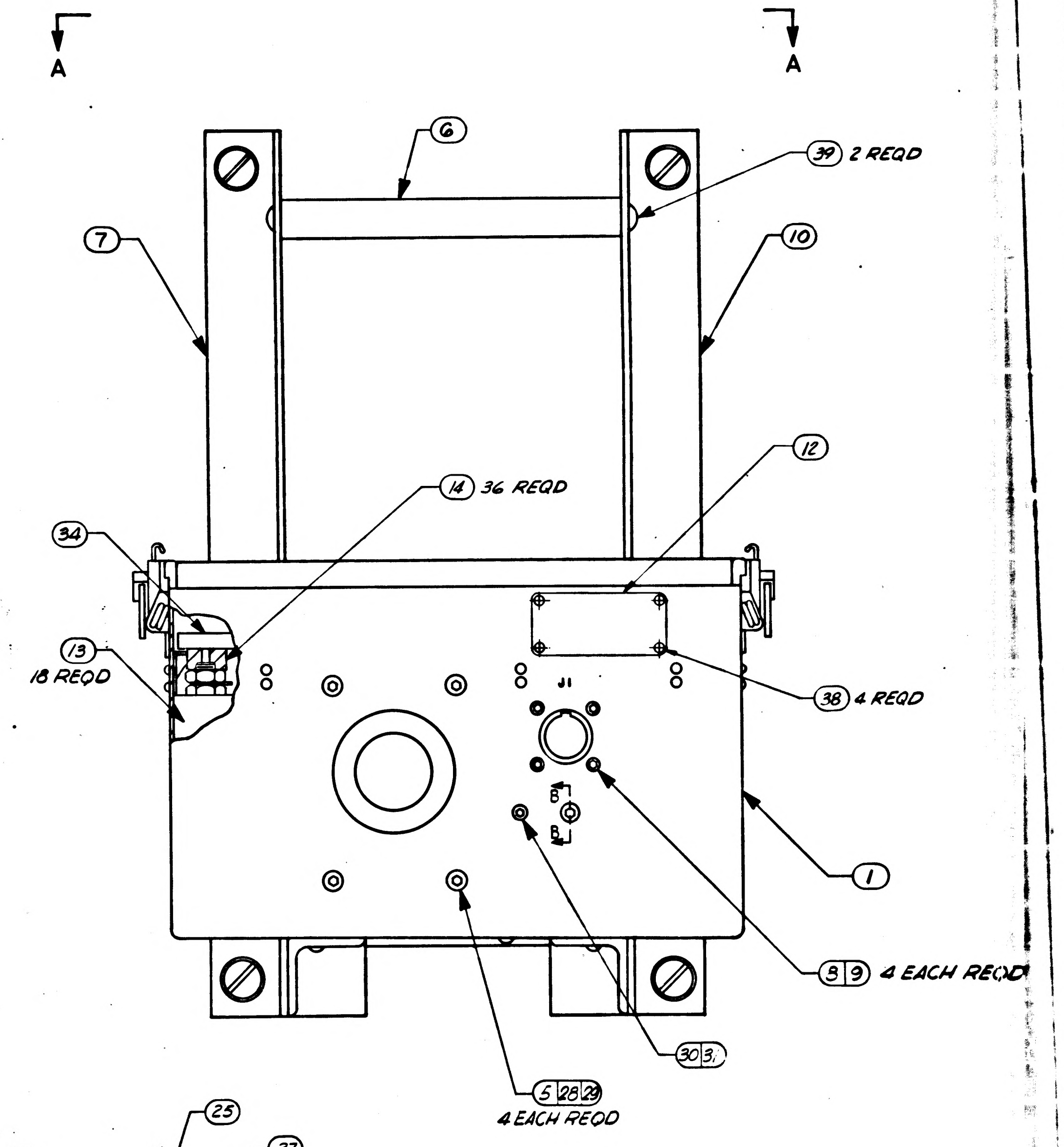
VIEW A-A



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③⑨ 4 EACH REQD
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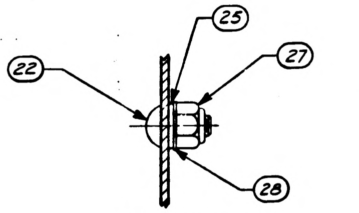
4 EACH REQD

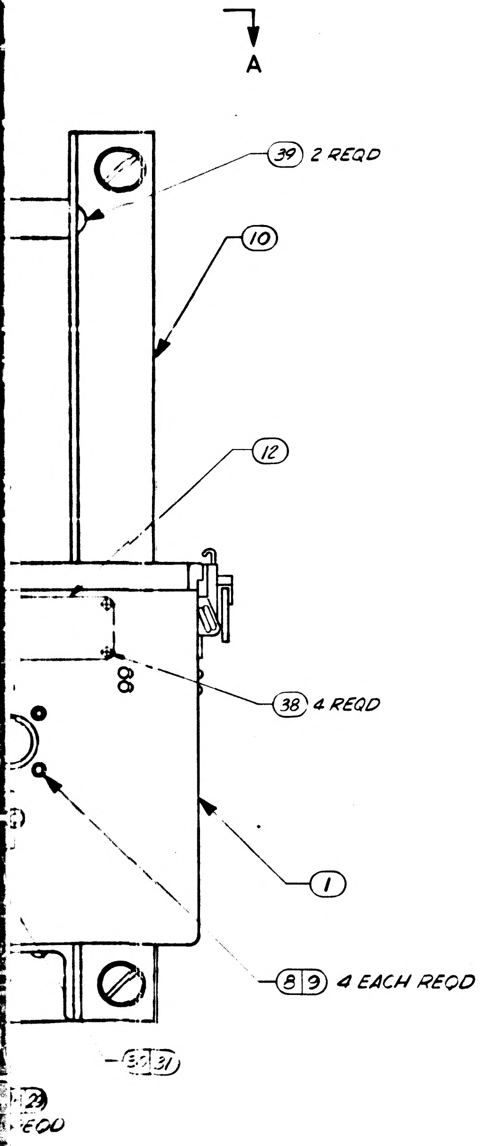


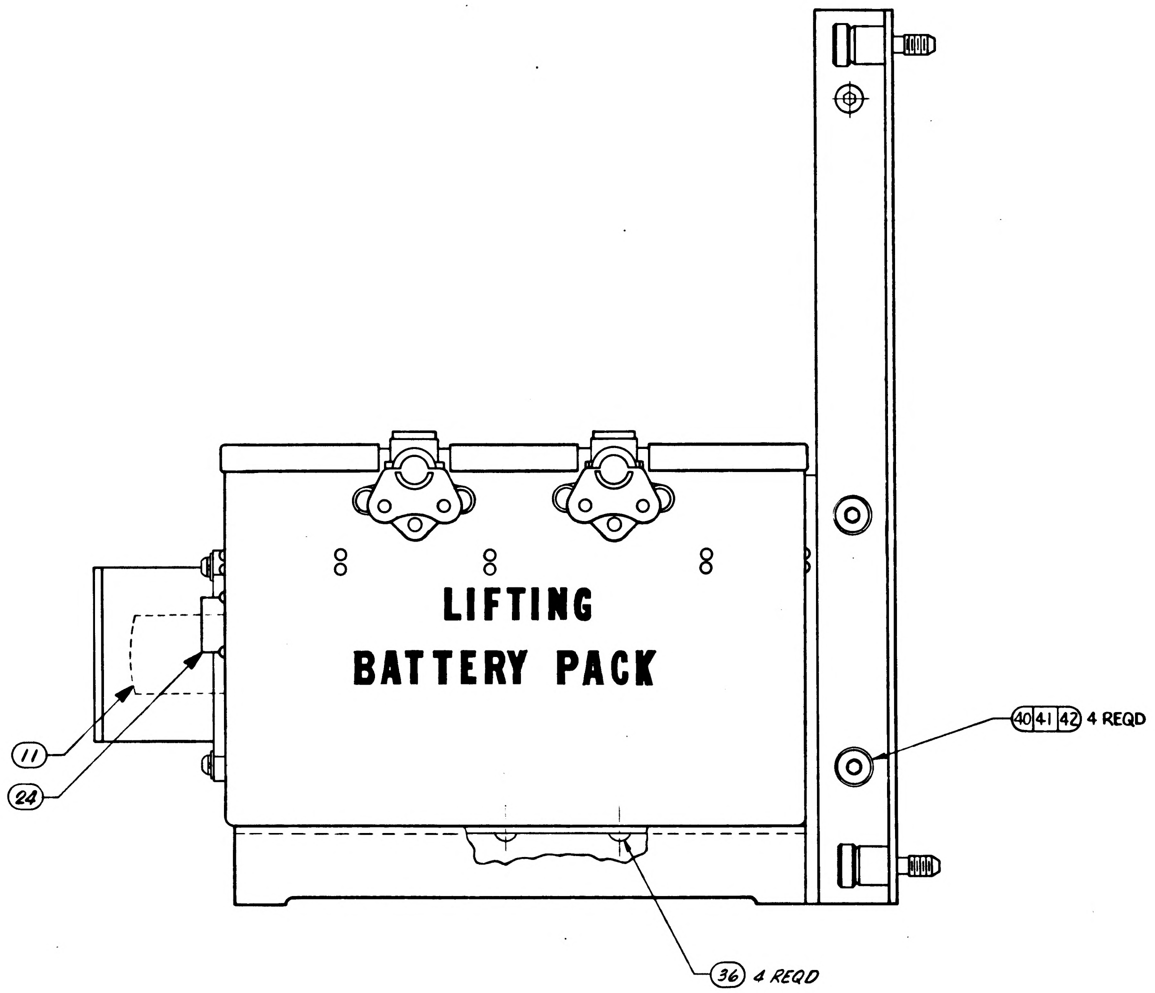
SECTION B-B
SCALE 2:1

2900827	SH 1	REV B

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207020		1 DEC 65	
B		UPGRADED TO CLASS A PER TDRR 25325	—	DEC 65	J J J
C		REVISED PER TDRR 25715		5 MAR 66	3

A





3H

					EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				1		43	2901026	COVER, PROTECTIVE, BULB
				4		42	AN960C516L	(1897006-053) WASHER, FLAT
SEE NOTE 2				4		41	1016151-014	NUT, SELF LOCKING
SEE NOTE 2				4		40	1006783-70	SCREW, BUTTON HD.
				2		39	1006783-57	SCREW, BUTTON HD
SEE NOTE 2				4		38	1006783-9	SCREW, BUTTON HD
						37		
SEE NOTE 2				5		36	1006783-23	SCREW, BUTTON HD
SEE NOTE 2				16		35	1006783-24	SCREW, BUTTON HD
				1		34	2900823	COVER, BATTERY
				2		33	2900816	SPACER PLATE, BATTERY
				16		32	2900829	WASHER, FLAT
SEE NOTE 2				1		31	1000093-12	SCREW, BUTTON HD
SEE NOTE 2				1		30	1017488-2	TERMINAL STAND OFF
				4		29	MS35338-80	WASHER, LOCK
				5		28	AN960C8L	(1897006-038) WASHER, FLAT
SEE NOTE 2				1		27	1016151-008	NUT, SELF LOCKING
				1		26	2900888	PLATE, CAUTION
				1		25	MS35333-72	WASHER, LOCKING
				1		24	MS3127E-14-12SX	CONNECTOR, RECEPTACLE
				1		23		LEAD SET B-B
SEE NOTE 2				1		22	1006783-27	SCREW, BUTTON HD
						21		
						20		
						19		
SEE NOTE 2				1		18	1006783-22	SCREW, BUTTON HD
				9		17	2900824-003	LINK, TERMINAL, CONNECTING
				1		16	2900824-002	LINK, TERMINAL, CONNECTING
				2		15	2900824-001	LINK, TERMINAL, CONNECTING
SEE NOTE 2				36		14	1897329-001	BUMPER, RUBBER
				18		13	1897339-001	BATTERY
				1		12	1004260-149	NAMEPLATE
SEE NOTE 2				1		11	1897365	FLASHER, XENON TUBE
				1		10	2900820	SUPPORT, RIGHT HAND (INSEP ASSY)
SEE NOTE 2				4		9	1016151-004	NUT, SELF LOCKING
SEE NOTE 2				4		8	1006783-20	SCREW, BUTTON HD
				1		7	2900819	SUPPORT, LEFT HAND (INSEP ASSY)
				1		6	2900818	HANDLE, BATTERY POWER SUPPLY
SEE NOTE 2				4		5	1006783-27	SCREW, BUTTON HD
				~~4~~		4	~~MS171528~~	~~PIN, SPRING~~
						3		
				1		2	2900815	SPACER, PLATE, BATTERY (INSEP ASSY)
				1		1	2900828	CASE (INSEP ASSY)
				011				
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2900063-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN DATE 15-OCT-65
CHECKED R. Saylor 3 NOV 65
APPROVAL 4 NOV 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY POWER SUPPLY

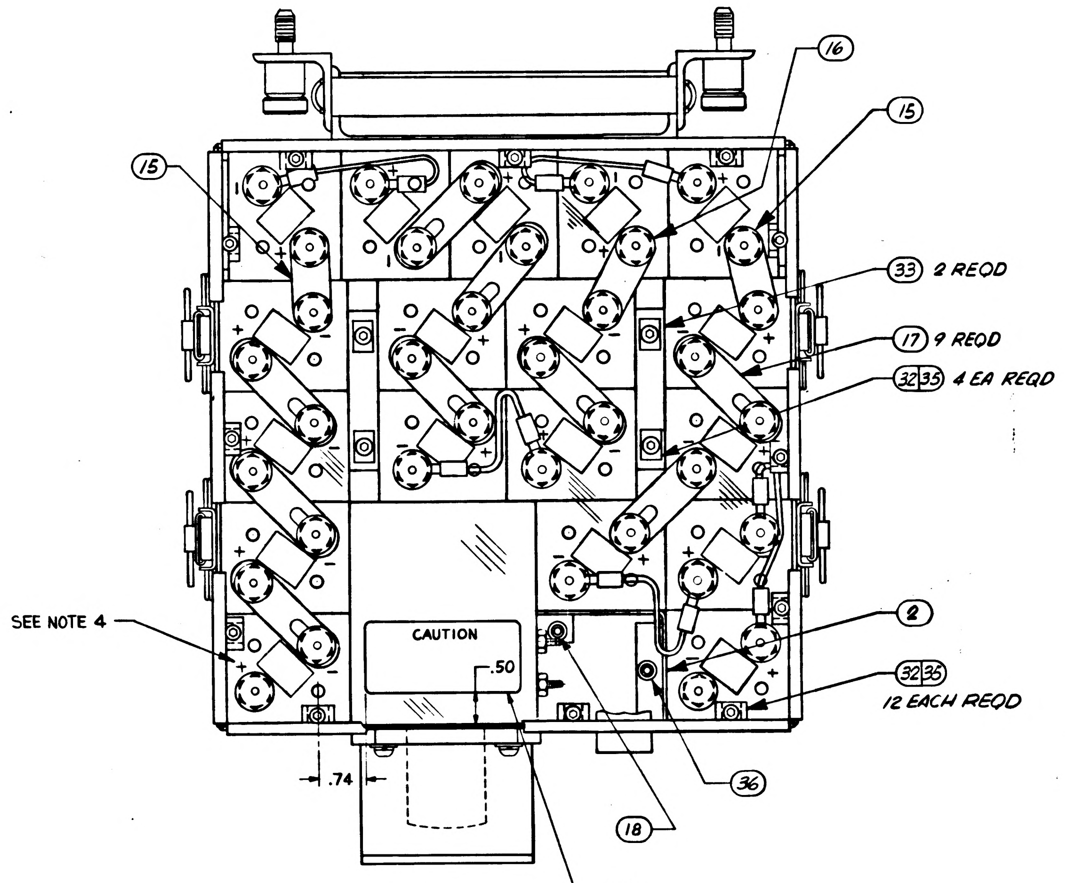
CODE IDENT NO. 99974
SIZE J2
2900827
SCALE FULL
SHEET 1 OF 1

2900827 C

2/2900827

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. DRAWING FOR REFERENCE:
   SCHEMATIC DIAGRAM 2900811
4. AT ASSEMBLY OF BATTERIES, ITEM ⑬, INTO CASE, ITEM ①, BATTERIES MUST BE ORIENTED FOR POLARITY AS SHOWN.



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SEE NOTE 4
CAUTION
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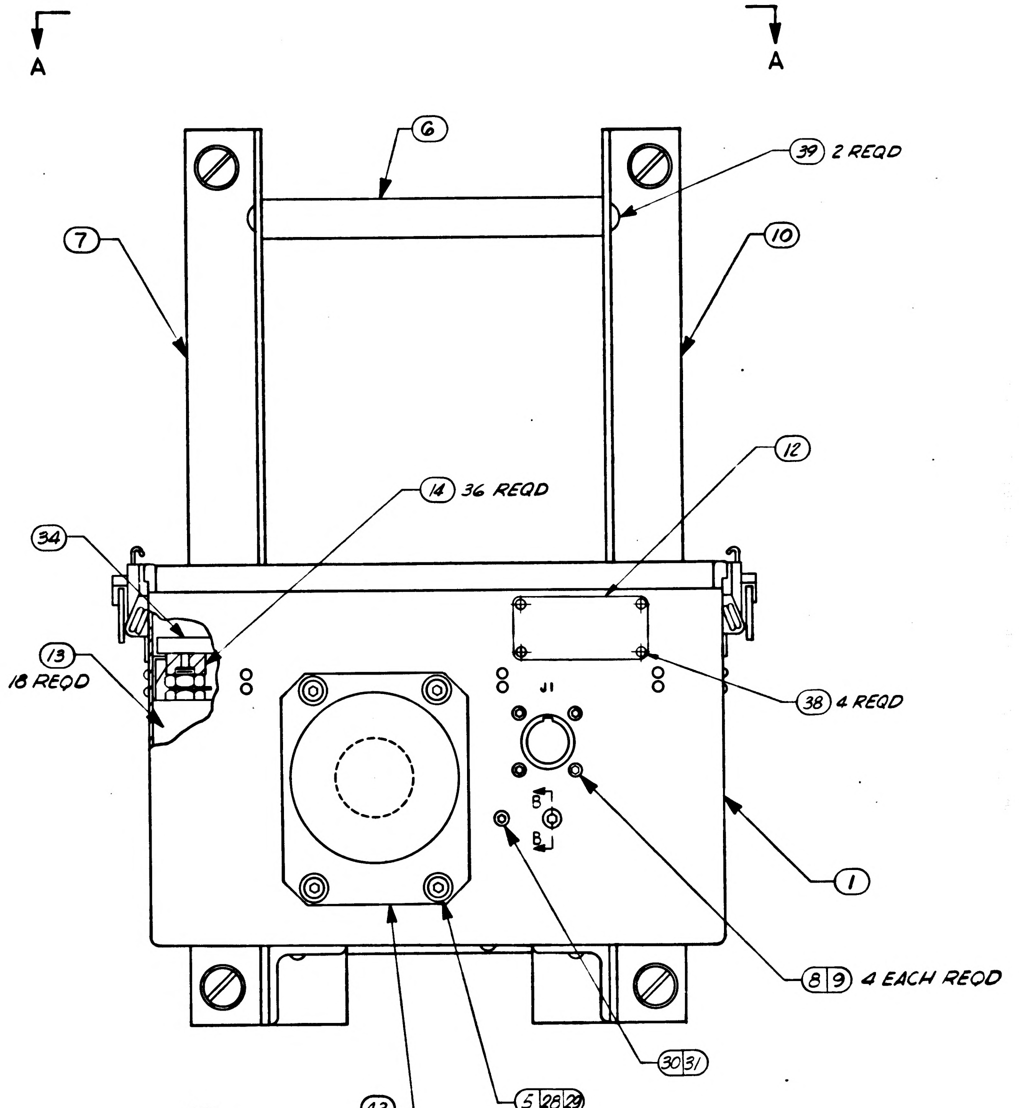
VIEW A-A



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⑭ 36 REQD
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⑬ 18 REQD
(38) 4 REQD
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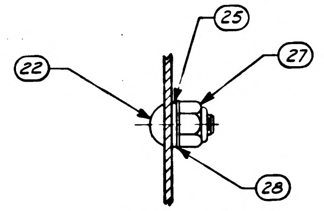
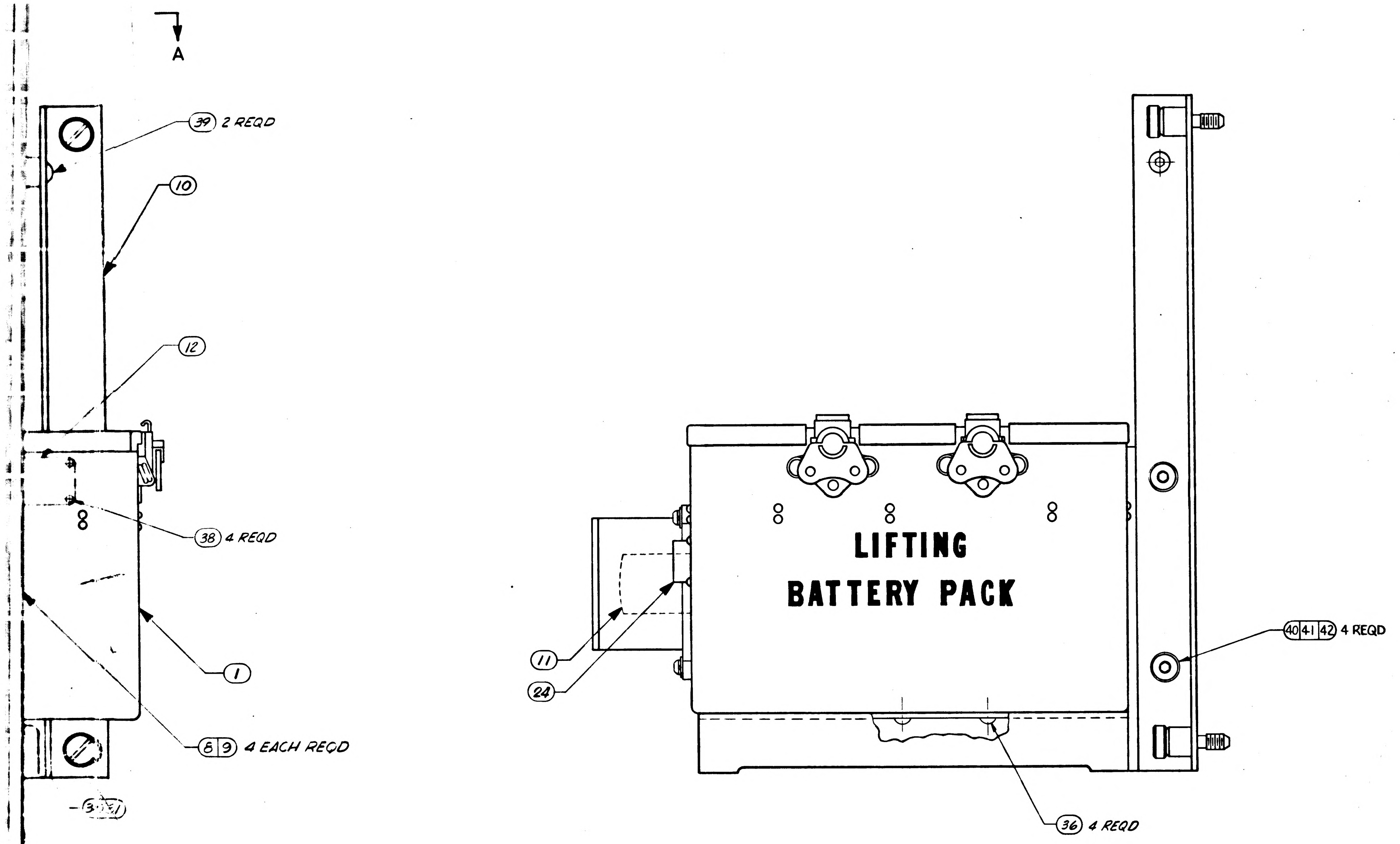


SECTION B-B
SCALE 2:1

2900827	SH 1	REV C

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207020		1 DEC 65	
B		UPGRADED TO CLASS A PER TDRR 25325	—	DEC 65	JJJ
C		REVISED PER TDRR 25715		15-MAR-66	B.
D		REVISED PER TDRR 27252		22-MAR-66	B.



	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				1		43	2901026	COVER, PROTECTIVE, BULB
				4		42	AN960C516L	(1897006-053) WASHER, FLAT
SEE NOTE 2				4		41	1016151-014	NUT, SELF LOCKING
SEE NOTE 2				4		40	1006783-70	SCREW, BUTTON HD.
				2		39	1006783-57	SCREW, BUTTON HD
SEE NOTE 2				4		38	1006783-9	SCREW, BUTTON HD
						37		
SEE NOTE 2				5		36	1006783-23	SCREW, BUTTON HD
SEE NOTE 2				16		35	1006783-24	SCREW, BUTTON HD
				1		34	2900823	COVER, BATTERY
				2		33	2900816	SPACER, PLATE, BATTERY
				16		32	2900829	WASHER, FLAT
SEE NOTE 2				1		31	1000093-12	SCREW, BUTTON HD
SEE NOTE 2				1		30	1017488-2	TERMINAL STAND OFF
				4		29	MS35338-80	WASHER, LOCK
				5		28	AN960C8L	(1897006-038) WASHER, FLAT
SEE NOTE 2				1		27	1016151-008	NUT, SELF LOCKING
				1		26	2900888	PLATE, CAUTION
				1		25	MS35333-72	WASHER, LOCKING
				1		24	MS3127E-14-12SX	CONNECTOR, RECEPTACLE
				1		23	2900890	LEAD SET A-A
SEE NOTE 2				1		22	1006783-27	SCREW, BUTTON HD
						21		
						20		
						19		
SEE NOTE 2				1		18	1006783-22	SCREW, BUTTON HD
				9		17	2900824-003	LINK, TERMINAL, CONNECTING
				1		16	2900824-002	LINK, TERMINAL, CONNECTING
				2		15	2900824-001	LINK, TERMINAL, CONNECTING
SEE NOTE 2				36		14	1897329-001	BUMPER, RUBBER
				18		13	1897339-001	BATTERY
				1		12	1004260-149	NAMEPLATE
SEE NOTE 2				1		11	1897365	FLASHER, XENON TUBE
				1		10	2900820	SUPPORT, RIGHT HAND (INSEP ASSY)
SEE NOTE 2				4		9	1016151-004	NUT, SELF LOCKING
SEE NOTE 2				4		8	1006783-20	SCREW, BUTTON HD
				1		7	2900819	SUPPORT, LEFT HAND (INSEP ASSY)
				1		6	2900818	HANDLE, BATTERY POWER SUPPLY
SEE NOTE 2				4		5	1006783-27	SCREW, BUTTON HD
				~~4~~		4	~~MS171528~~	~~PIN, SPRING~~
						3		
				1		2	2900815	SPACER, PLATE, BATTERY (INSEP ASSY)
				1		1	2900828	CASE (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2900063-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

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DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN 15-OCT-65 DATE
CHECKED R Saylor 3 NOV 65
APPROVAL 4 NOV 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY POWER SUPPLY

CODE IDENT NO. 99974
SIZE J2
2900827
SCALE FULL
SHEET 1 OF 1

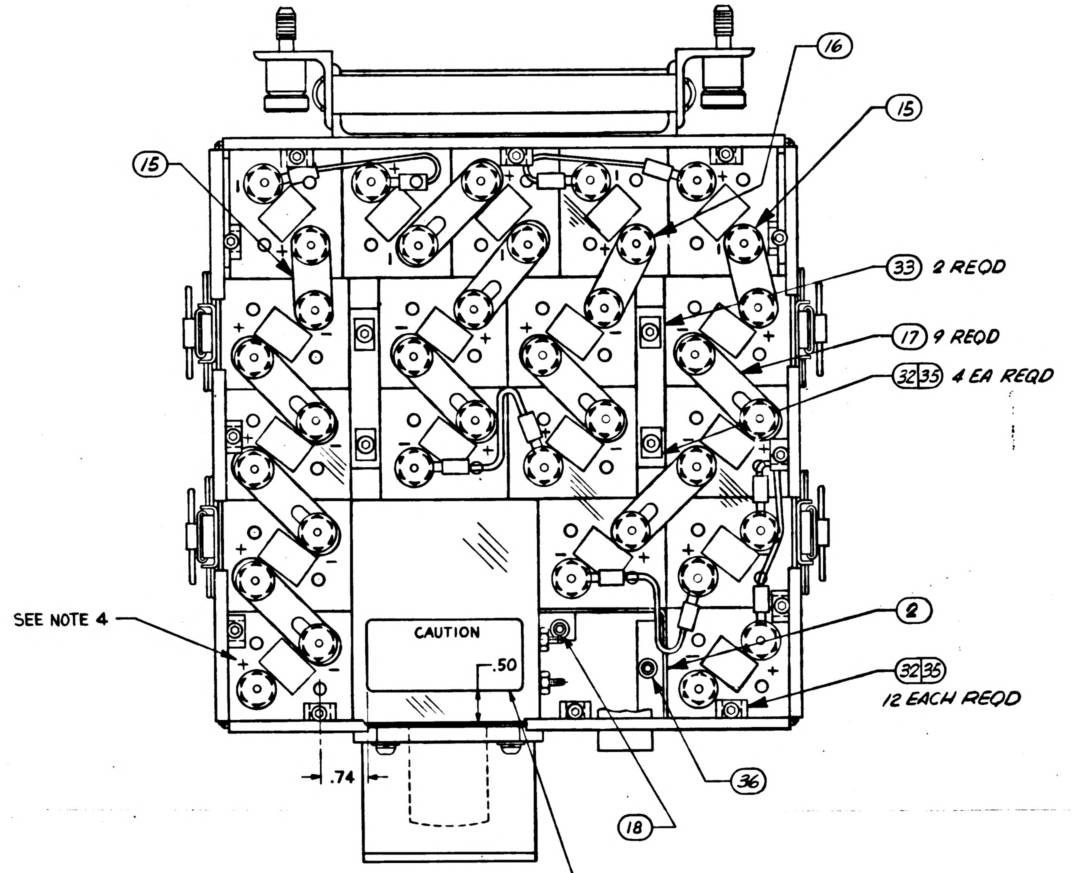
2900827 D

2900827 D

27 2900827

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. DRAWING FOR REFERENCE:
   SCHEMATIC DIAGRAM 2900811
4. AT ASSEMBLY OF BATTERIES, ITEM ⑬, INTO CASE, ITEM ①, BATTERIES MUST BE ORIENTED FOR POLARITY AS SHOWN.



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SEE NOTE 4
CAUTION
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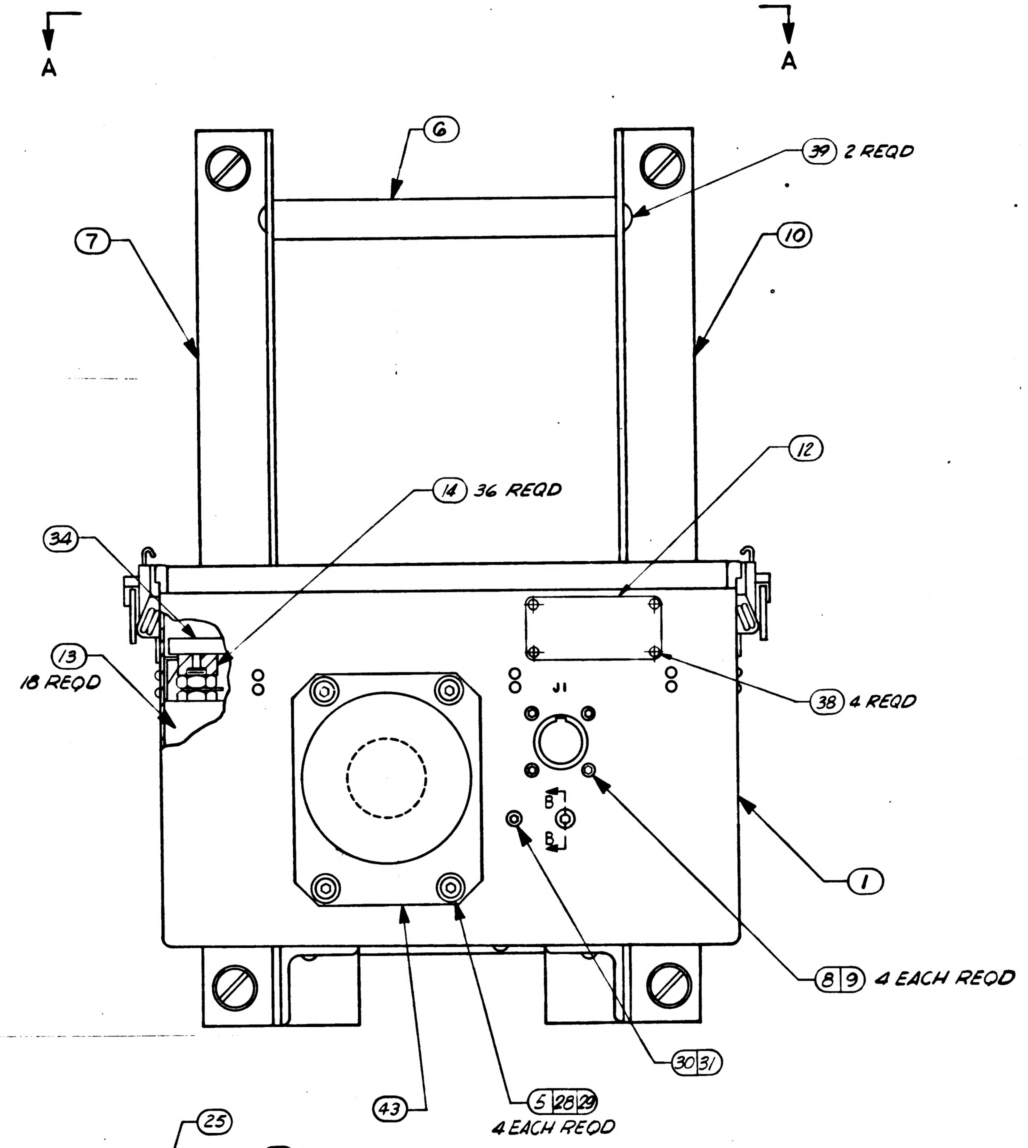
VIEW A-A



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8 9 4 EACH REQD
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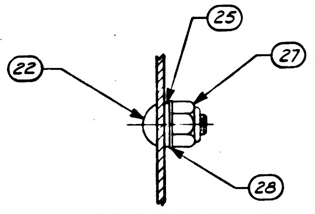
43
5 28 29
4 EACH REQD

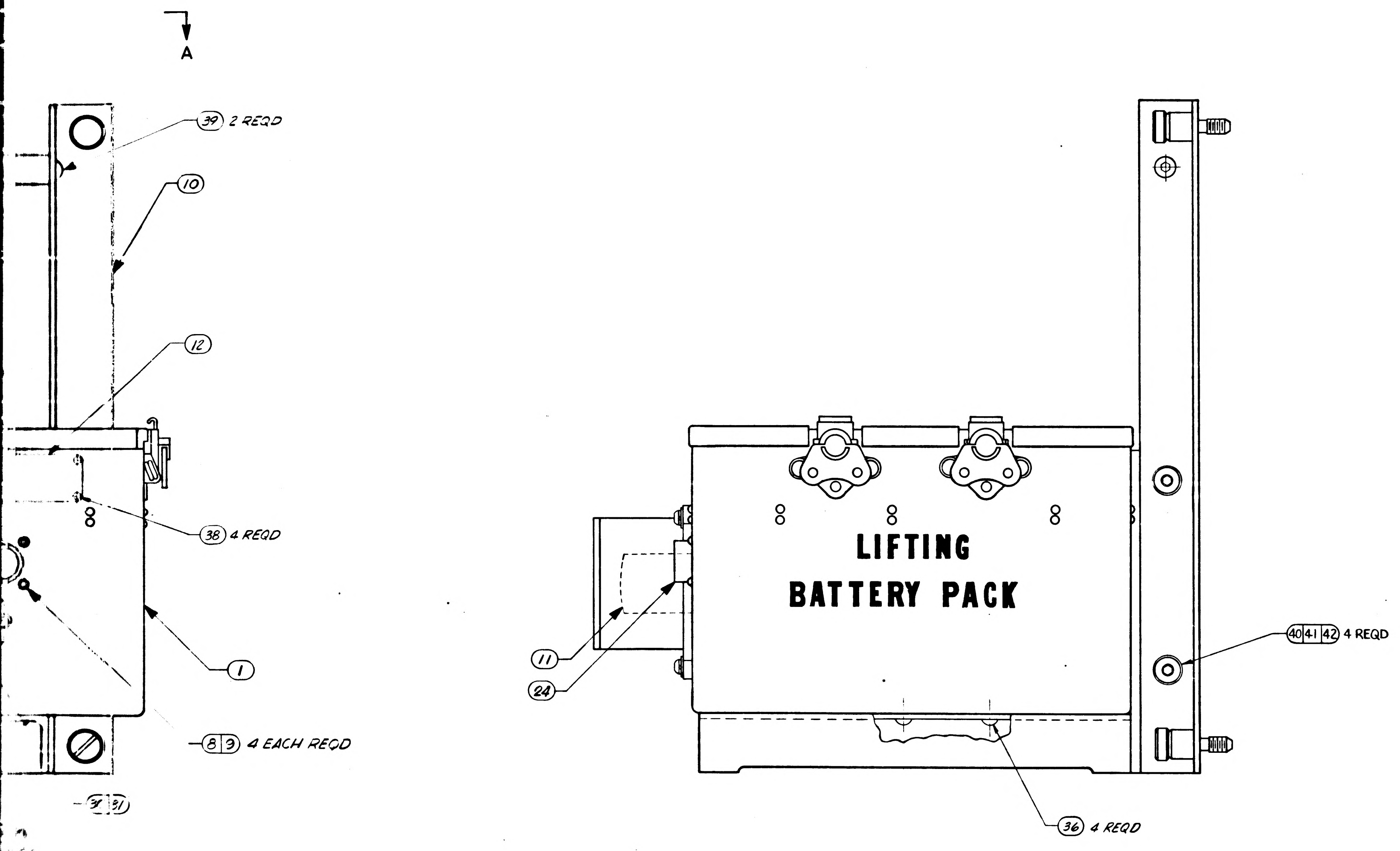


SECTION B-B
SCALE 2:1

2900827

1/2900827

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207020		1 DEC 65	
B		UPGRADED TO CLASS A PER TDRR 25325	—	DEC 65	J J J
C		REVISED PER TDRR 25715		5 MAR 66	B
D		REVISED PER TDRR 27252		22 MAR 66	B.
E		REVISED PER TDRR 30508		11 AUG 66	



				1		43	2901026	COVER, PROTECTIVE, BULB
				4		42	AN960C516L	(1897006-053)WASHER, FLAT
SEE NOTE 2				4		41	1016151-014	NUT, SELF LOCKING
SEE NOTE 2				4		40	1006783-70	SCREW, BUTTON HD.
				2		39	1006783-57	SCREW, BUTTON HD
SEE NOTE 2				4		38	1006783-9	SCREW, BUTTON HD
						37		
SEE NOTE 2				5		36	1006783-23	SCREW, BUTTON HD
SEE NOTE 2				16		35	1006783-24	SCREW, BUTTON HD
				1		34	2900823	COVER, BATTERY
				2		33	2900816	SPACER, PLATE, BATTERY
				16		32	2900829	WASHER, FLAT
SEE NOTE 2				1		31	1000093-12	SCREW, BUTTON HD
SEE NOTE 2				1		30	1017488-2	TERMINAL STAND OFF
				4		29	MS35338-80	WASHER, LOCK
				5		28	AN960C8L	(1897006-038) WASHER, FLAT
SEE NOTE 2				1		27	1016151-008	NUT, SELF LOCKING
				1		26	2900838	PLATE, CAUTION
				1		25	MS35333-72	WASHER LOCKING
				1		24	MS3127E-14-12SX	CONNECTOR, RECEPTACLE
				1		23	2900890	LEAD SET A-A
SEE NOTE 2				1		22	1006783-27	SCREW, BUTTON HD
						21		
						20		
						19		
SEE NOTE 2				1		18	1006783-22	SCREW BUTTON HD
				9		17	2900824-003	LINK, TERMINAL, CONNECTING
				1		16	2900824-002	LINK, TERMINAL, CONNECTING
				2		15	2900824-001	LINK, TERMINAL, CONNECTING
SEE NOTE 2				36		14	1897329-001	BUMPER RUBBER
SEE NOTE 5				18		13	1897339-001	BATTERY
				1		12	1004260-149	NAMEPLATE
SEE NOTE 2				1		11	1897365	FLASHER, XENON TUBE
				1		10	2900820	SUPPORT, RIGHT HAND (INSEP ASSY)
SEE NOTE 2				4		9	1016151-004	NUT, SELF LOCKING
SEE NOTE 2				4		8	1006783-20	SCREW, BUTTON HD
				1		7	2900819	SUPPORT, LEFT HAND (INSEP ASSY)
				1		6	2900818	HANDLE, BATTERY POWER SUPPL
SEE NOTE 2				4		5	1006783-27	SCREW, BUTTON HD
				~~4~~		4	~~MS171528~~	~~PIN, SPRING~~
						3		
				1		2	2900815	SPACER, PLATE, BATTERY (INSEP ASSY)
				1		1	2900828	CASE (INSEP ASSY)
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-011	2902063-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ — + — + —
− − −

DO NOT SCALE THIS DRAWING

MATERIAL

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN A. Jashal DATE 15-OCT-65
CHECKED 3 NOV 65
APPROVAL 4 NOV 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY POWER
SUPPLY

CODE IDENT NO. 99974
SIZE 2
2900827
SCALE FULL
SHEET 1 OF 1

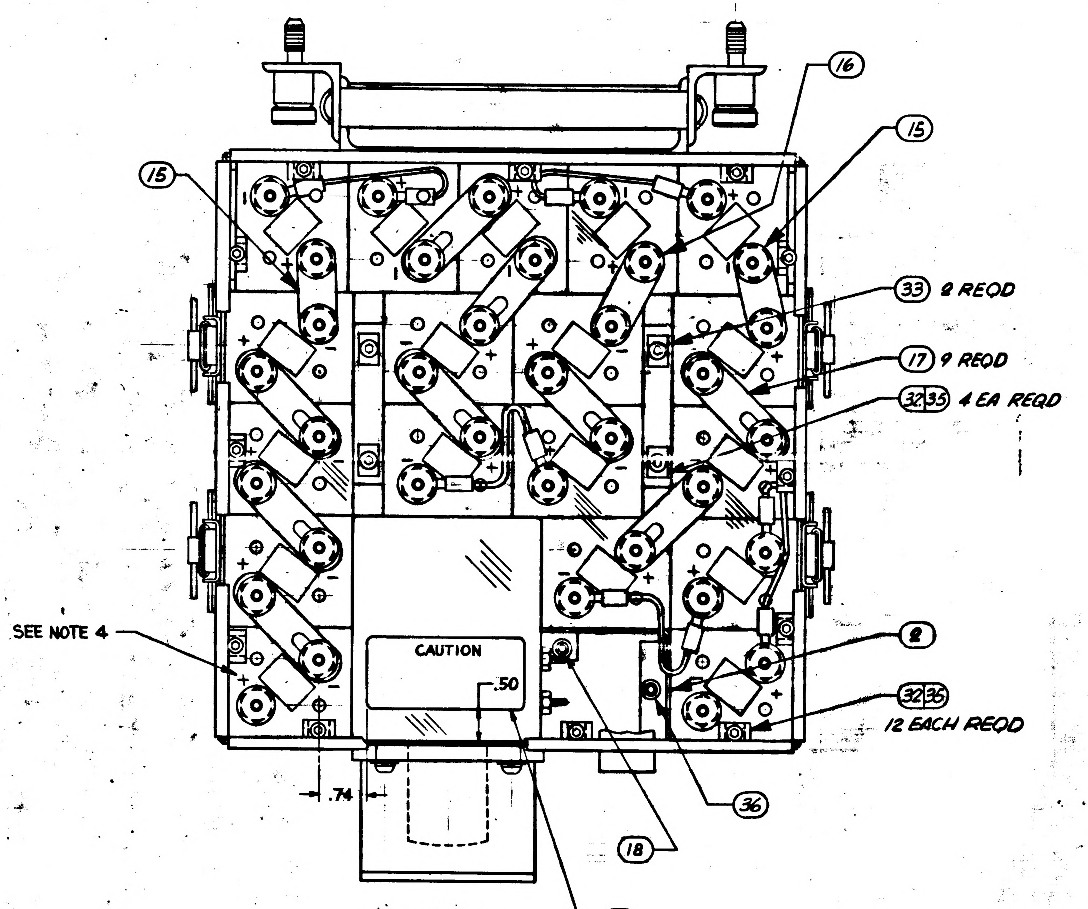
2900827 E

2900827

27 2900827

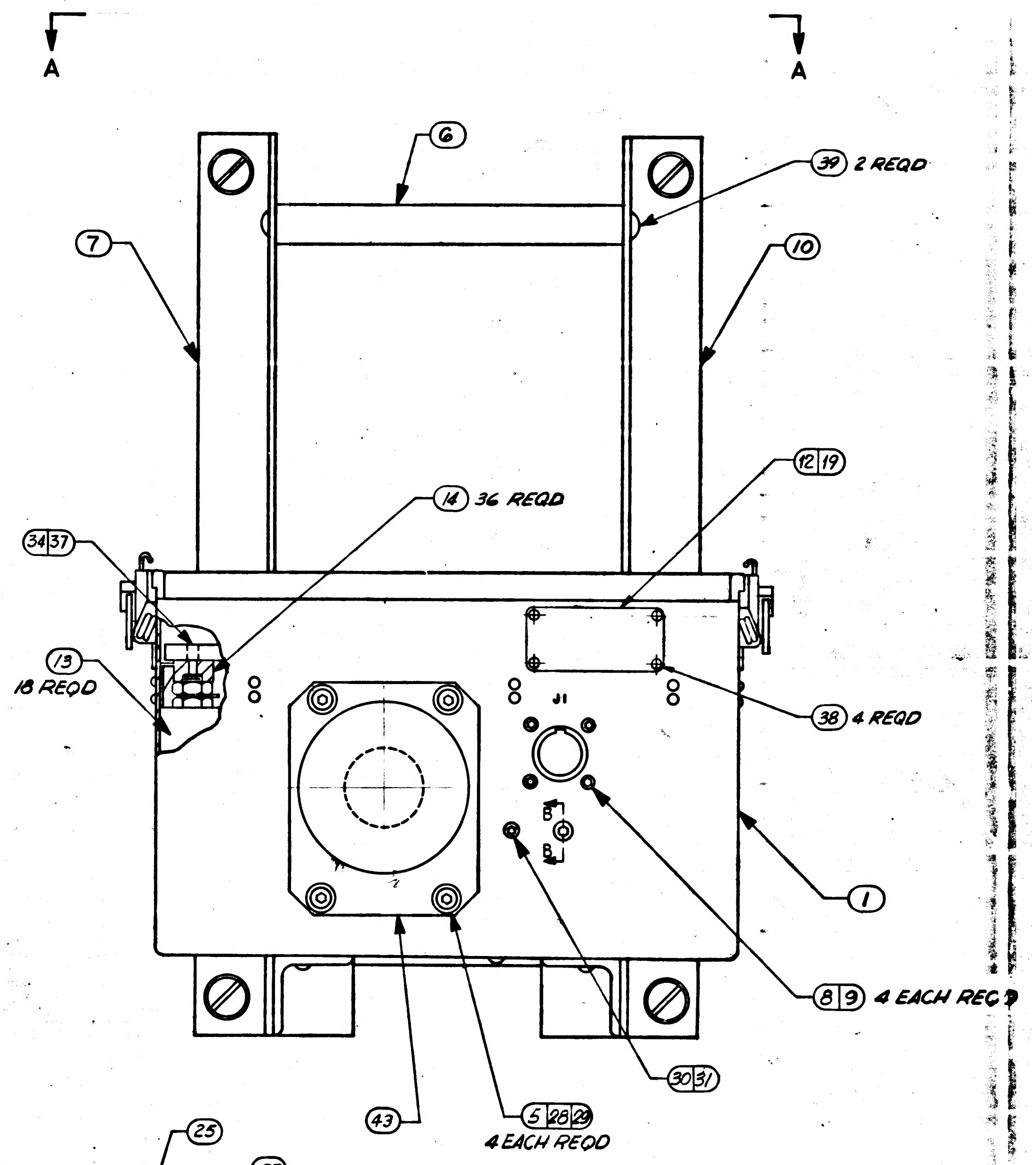
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
3. DRAWING FOR REFERENCE:
   SCHEMATIC DIAGRAM: (-011) 2900811, (-021) 2901581.
4. AT ASSEMBLY OF BATTERIES, ITEM ⑬, INTO CASE, ITEM ①, BATTERIES MUST BE ORIENTED FOR POLARITY AS SHOWN.
5. FOR REPLACEMENT BATTERIES, PART NUMBER 1897339-003 MAY BE USED.

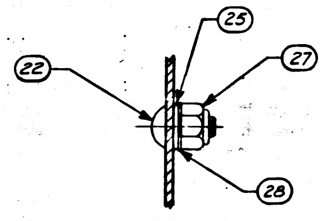


⑮
⑯
⑮
33 2 REQD
⑰ 9 REQD
32 35 4 EA REQD
SEE NOTE 4
CAUTION
.50
.74
②
32 36 12 EACH REQD
㊱
⑱
㉖

VIEW A-A



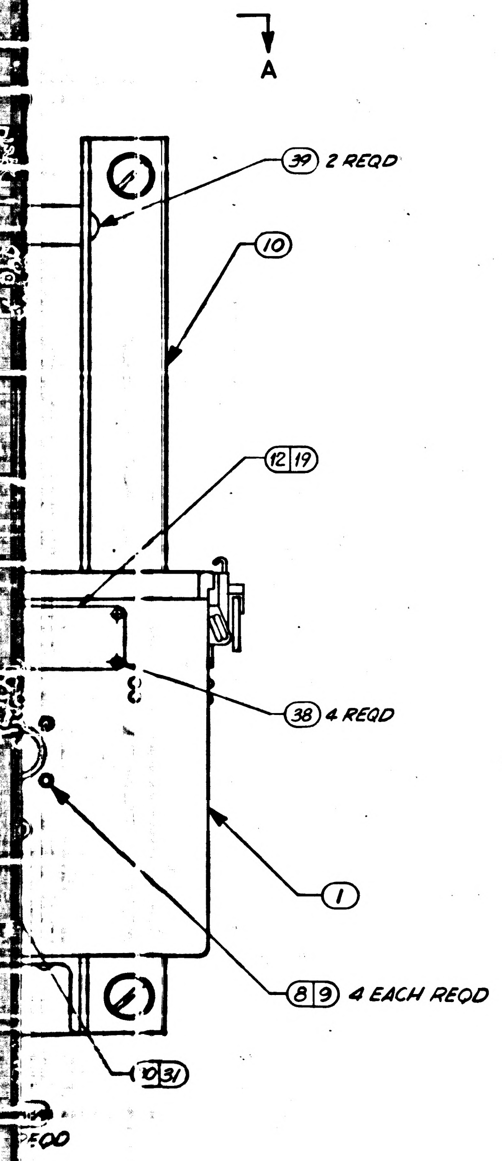
A
A
⑥
39 2 REQD
⑦
⑩
12 19
14 36 REQD
34 37
13 18 REQD
J1
B
B
38 4 REQD
①
8 9 4 EACH REQD
30 31
43
5 28 29 4 EACH REQD

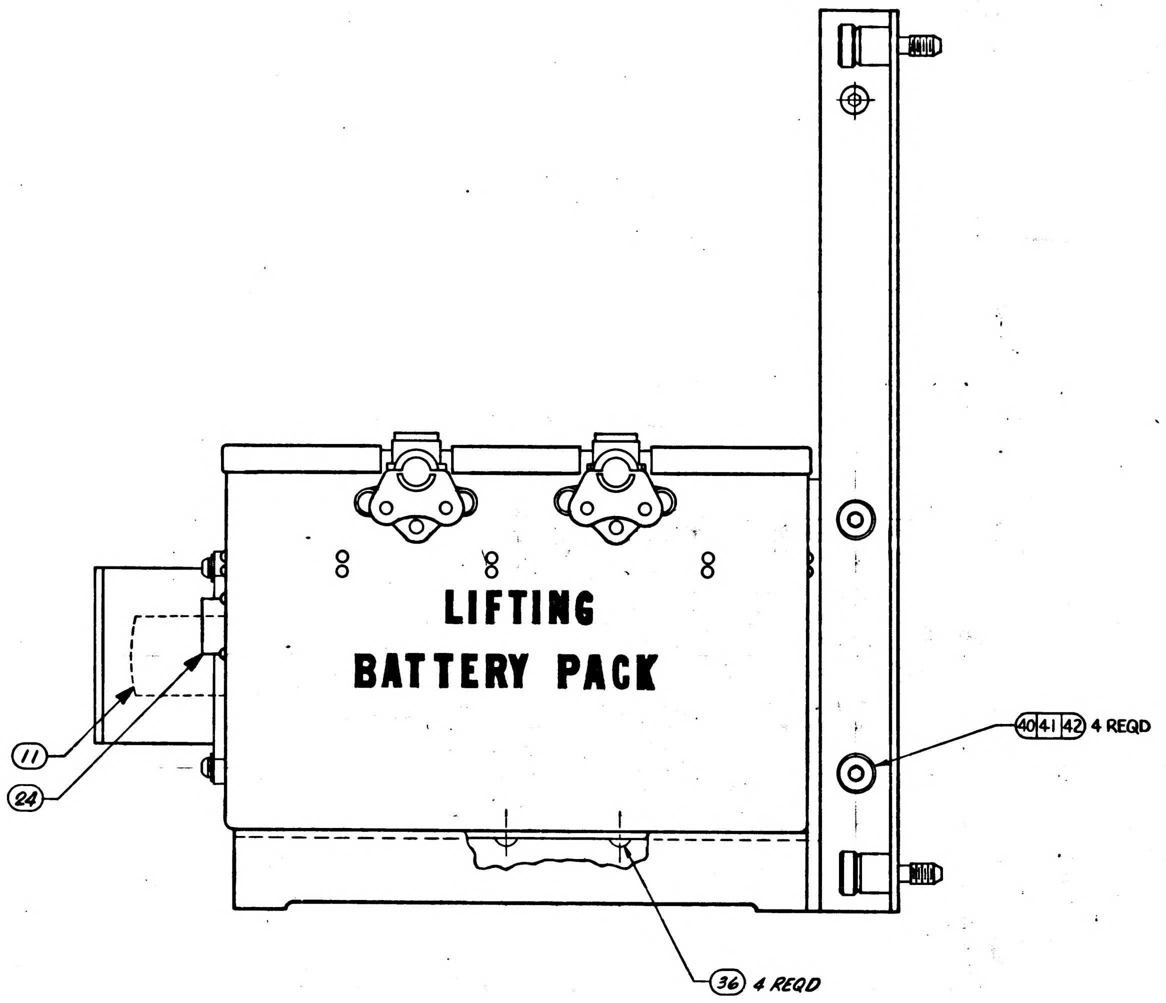


SECTION B-B
SCALE 2:1

2900827	SH 1	REV F

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207020		1 DEC 65	
Ⓜ B		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	JJJ
Ⓜ C		REVISED PER TDRR 25715		15-MAR-66	B.
Ⓜ D		REVISED PER TDRR 27252		22-MAR 66	B.
Ⓜ E		REVISED PER TDRR 30508		11 AUG 66	EmL JI
F		REVISED PER TDRR 32144		6 DEC 66	EF





			QUANTITY REQUIRED 021	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1	1		43	2901026	COVER, PROTECTIVE, BULB
			4	4		42	AN960C516L	(1897006-053) WASHER, FLAT
SEE NOTE 2			4	4		41	1016151-014	NUT, SELF LOCKING
SEE NOTE 2			4	4		40	1006783-70	SCREW, BUTTON HD.
			2	2		39	1006783-57	SCREW, BUTTON HD
SEE NOTE 2			4	4		38	1006783-9	SCREW, BUTTON HD
			1	–		37	2901580	COVER, BATTERY
SEE NOTE 2			5	5		36	1006783-23	SCREW, BUTTON HD
SEE NOTE 2			16	16		35	1006783-24	SCREW, BUTTON HD
			–	1		34	2900823	COVER, BATTERY
			2	2		33	2900816	SPACER, PLATE, BATTERY
			16	16		32	2900829	WASHER, FLAT
SEE NOTE 2			1	1		31	1000093-12	SCREW, BUTTON HD
SEE NOTE 2			1	1		30	1017488-2	TERMINAL STAND OFF
			4	4		29	MS35338-80	WASHER, LOCK
			5	5		28	AN960C8L	(1897006-038) WASHER, FLAT
SEE NOTE 2			1	1		27	1016151-008	NUT, SELF LOCKING
			1	1		26	2900888	PLATE, CAUTION
			1	1		25	MS35333-72	WASHER, LOCKING
			1	1		24	MS3127E-14-12SX	CONNECTOR, RECEPTACLE
			1	1		23	2900890	LEAD SET A-A
SEE NOTE 2			1	1		22	1006783-27	SCREW, BUTTON HD
						21		
						20		
			1	–		19	1004260-542	NAMEPLATE
SEE NOTE 2			1	1		18	1006783-22	SCREW, BUTTON HD
			9	9		17	2900824-003	LINK, TERMINAL, CONNECTING
			1	1		16	2900824-002	LINK, TERMINAL, CONNECTING
			2	2		15	2900824-001	LINK, TERMINAL, CONNECTING
SEE NOTE 2			36	36		14	1897329-001	BUMPER, RUBBER
SEE NOTE 5			18	18		13	1897339-001	BATTERY
			–	1		12	1004260-149	NAMEPLATE
SEE NOTE 2			1	1		11	1897365	FLASHER, XENON TUBE
			1	1		10	2900820	SUPPORT, RIGHT HAND (INSEP ASSY)
SEE NOTE 2			4	4		9	1016151-004	NUT, SELF LOCKING
SEE NOTE 2			4	4		8	1006783-20	SCREW, BUTTON HD
			1	1		7	2900819	SUPPORT, LEFT HAND (INSEP ASSY)
			1	1		6	2900818	HANDLE, BATTERY POWER SUPPLY
SEE NOTE 2			4	4		5	1006783-27	SCREW, BUTTON HD
				~~4~~		4	~~MS171528~~	~~PIN, SPRING~~
						3		
			1	1		2	2900815	SPACER, PLATE, BATTERY (INSEP ASSY)
			1	1		1	2900828	CASE (INSEP ASSY)

LIST OF PARTS AND MATERIALS

F
2900827

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900812-021	2900063-081	-021
2900812-011	2900063-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 15-OCT-65
CHECKED R Saylor 3 Nov 65
APPROVAL 3 Nov 65
APPROVAL 1-13-66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BATTERY POWER SUPPLY AND FLASHER

CODE IDENT NO. 99974
SIZE J2
2900827
SCALE FULL
SHEET 1 OF 1

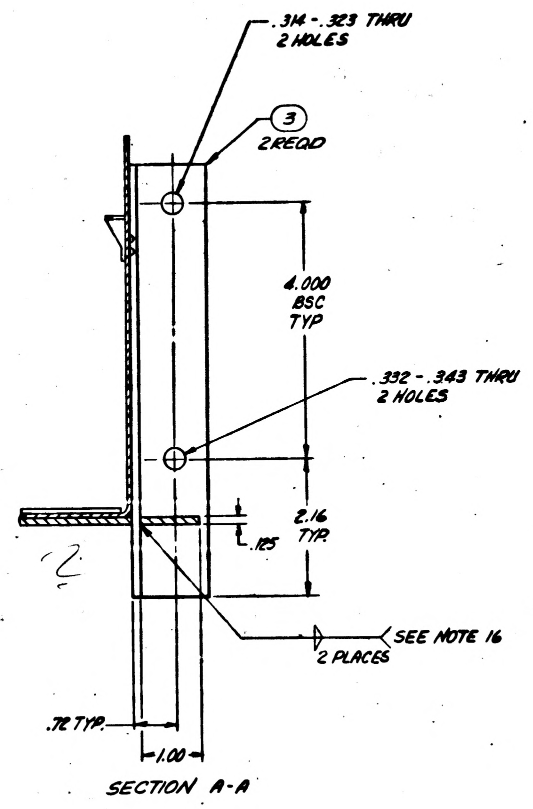
2900827	SH 1	REV F

27 OCT 65

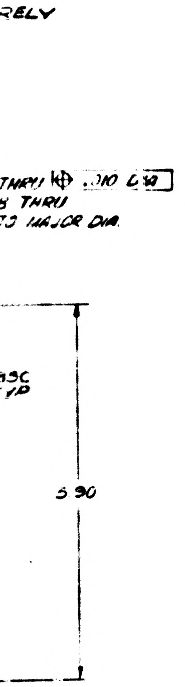
3H

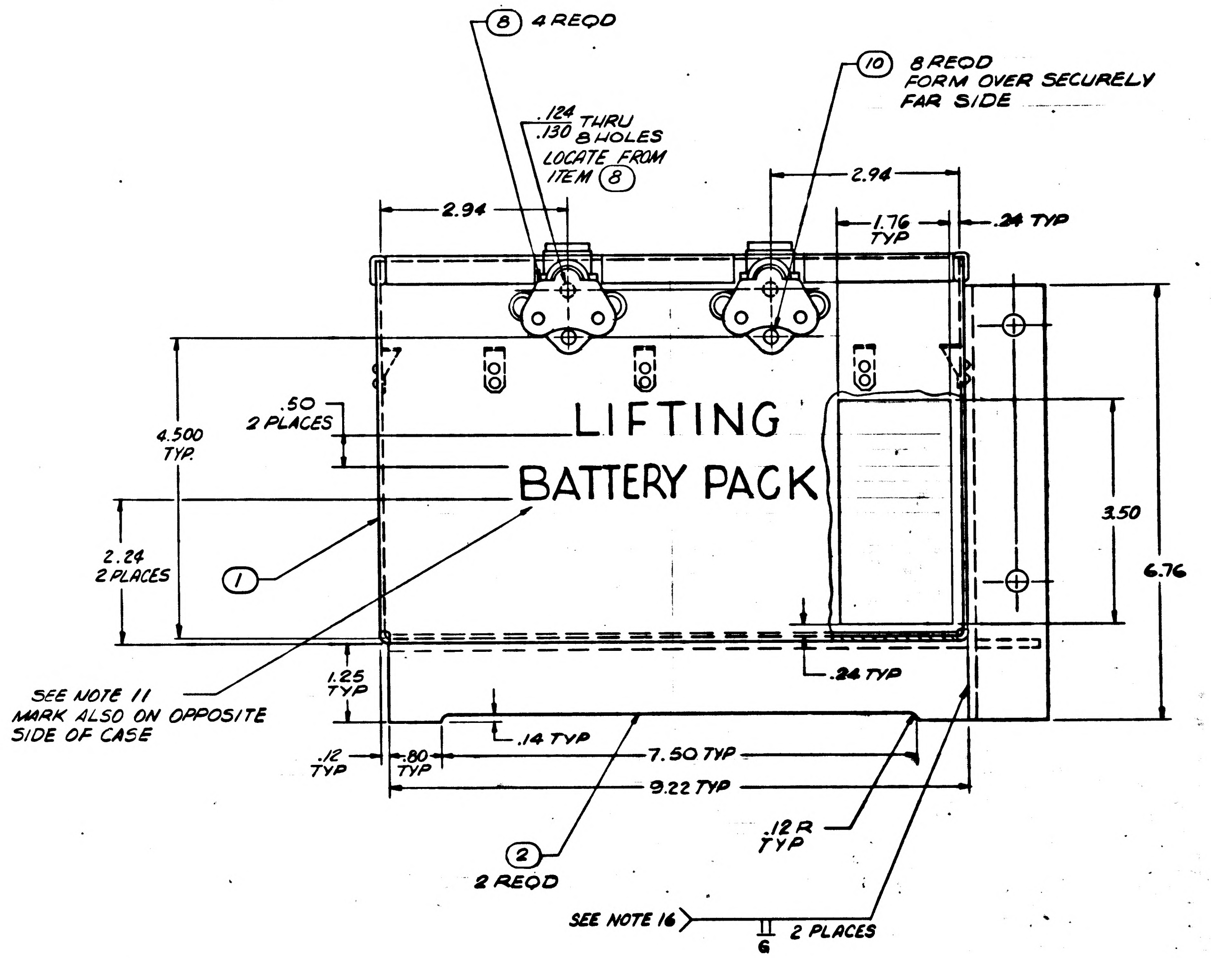
2/2900827

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207021		1 DEC 65	
B		REVISED PER MXC 207452		9 DEC 65	J.H.
C		UPGRADED TO CLASS A PER TDRR 25325		9 DEC 65	


.314-.323 THRU
2 HOLES
③ 2 REQD
4.000 BSC TYP
.332-.343 THRU
2 HOLES
2.16 TYP
.125
SEE NOTE 16
2 PLACES
.72 TYP
1.00
2

SECTION A-A


RELY
THRU .010 DIA
8 THRU
TS MAJOR DIA
BSC
TYP
5.90


⑧ 4 REQD
.124
.130 THRU
8 HOLES
LOCATE FROM
ITEM ⑧
⑩ 8 REQD
FORM OVER SECURELY
FAR SIDE
2.94
2.94
1.76 TYP
.24 TYP
LIFTING
BATTERY PACK
.50
2 PLACES
4.500 TYP
2.24
2 PLACES
①
3.50
6.76
SEE NOTE 11
MARK ALSO ON OPPOSITE
SIDE OF CASE
1.25 TYP
.24 TYP
.14 TYP
.12 TYP
.80 TYP
7.50 TYP
9.22 TYP
.12 R
TYP
② 2 REQD
SEE NOTE 16
2 PLACES

214

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	17	AR	ND 1002111	ENAMEL, SEMI-GLOSS, INSTRUMENT BLK NO. 514 OF ANA 157
	16	AR	MIL-A-5092 TYPE II	ADHESIVE, (ES2770-2)
SEE NOTE 10	15	AR	1016194	ENAMEL, CASHMERE BLUE
	14	AR	MIL-P-8585	PRIMER (ES2589)
	13	1	2900825	PAD, INSULATING-RUBBER
SEE NOTES 10 & 14	12	1	1016171-001	SEAL, CHANNEL 33 TOTAL LG
	11			
	10	8	MS20470-AD4-5	RIVET, SOLID
SEE NOTE 6	9	2	2900828-006	PADDING
	8	4	1897372	CATCH, CLAMPING SPRING LOADED
	7	24	MS20470-AD3-4	RIVET, SOLID
SEE NOTE 10	6	12	1006723-2	NUT, SELF LOCKING
	5			
SEE NOTE 15	4	1	2900828-004	SPACER, SUPPORT
SEE NOTE 13	3	2	2900828-003	SUPPORT, CASE
SEE NOTE 13	2	2	2900828-002	FEET, CASE
SEE NOTE 5 & 7	1	1	2900828-001	CASE, INSEP ASSEMBLY

LIST OF PARTS AND MATERIALS

2900827-011	2900063-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.005 ±.02 ANGLES —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS-9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN 11-OCT-65 DATE
CHECKED 27 OCT 65
APPROVAL Schofield 18 OCT 65
APPROVAL 10-13-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

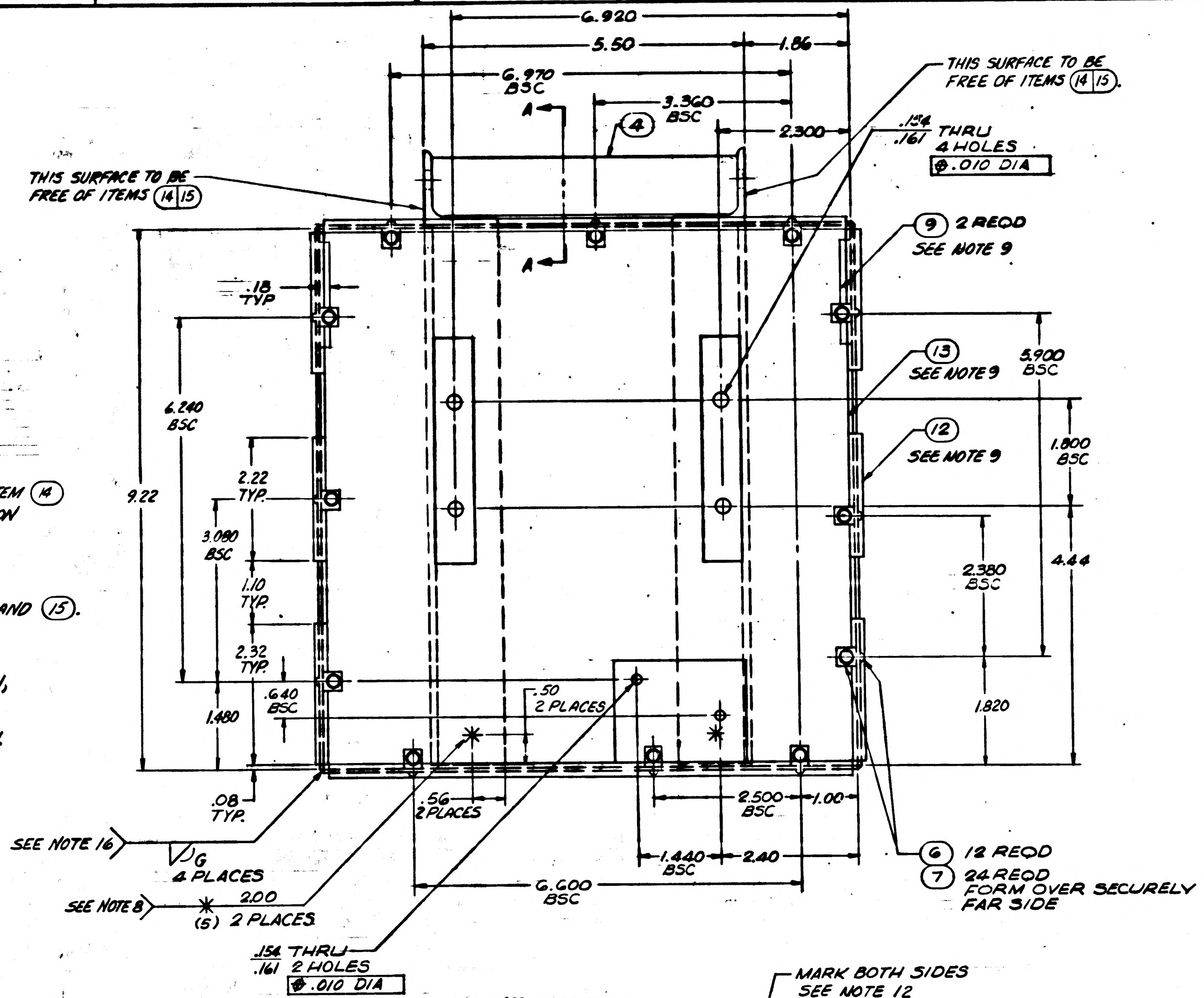
CASE, BATTERY POWER
SUPPLY
(INSEPARABLE ASSEMBLY)

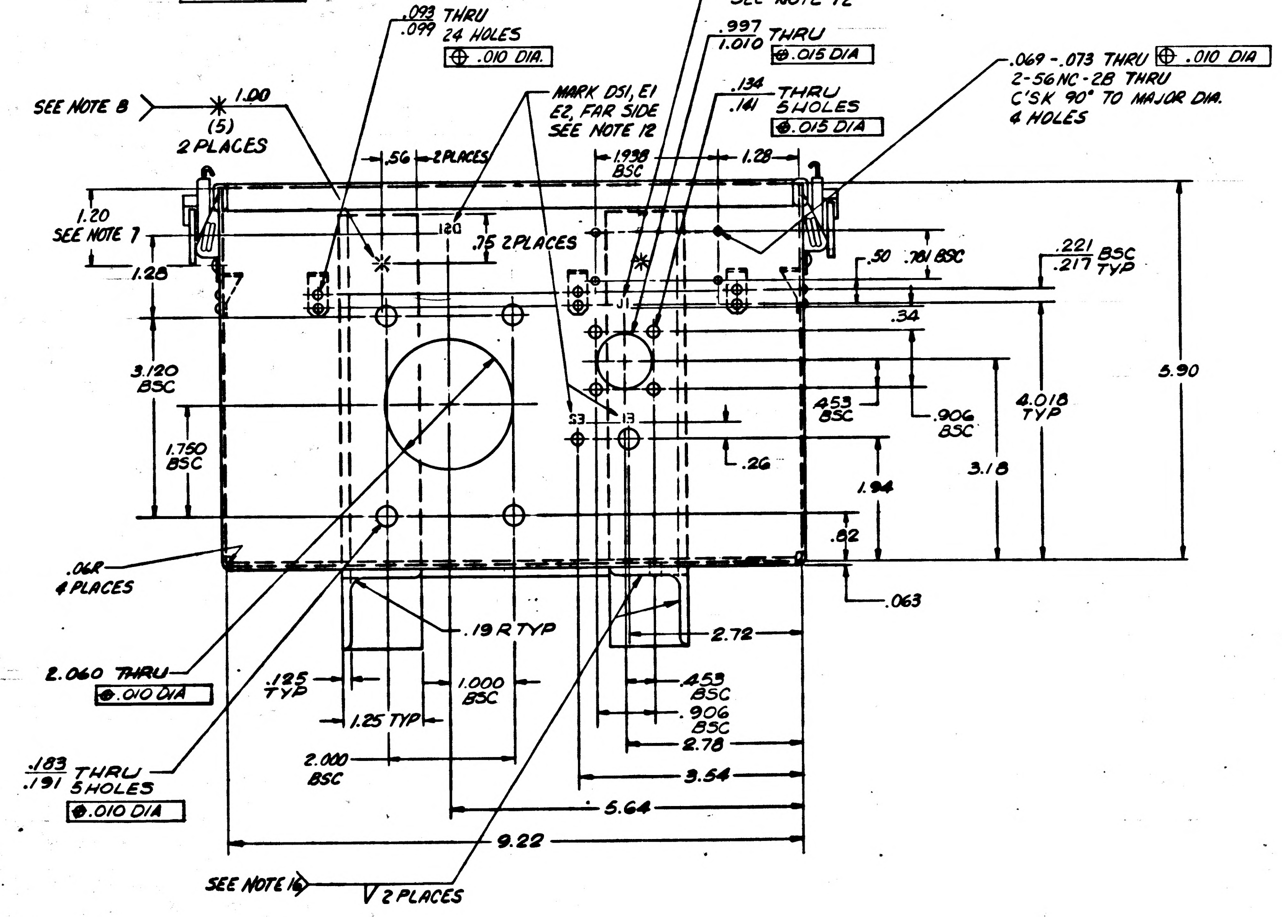
CODE IDENT NO. 99974
SIZE J
2900828
SCALE FULL
SHEET 1 OF 1

Checked 28 OCT 69

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
5. MATERIAL: QQ-A-250/8 TEMPER H-32 (AL ALY ES2105 5052).
6. MATERIAL: MIL-R-6855, CLASS II, GRADE 40 (ES2710-1).
7. FINISH: MIL-C-5541 (CHEMICAL FILM, ES591) EXCEPT AS NOTED APPLY ONE COAT OF PRIMER ITEM ⑭ AND TWO COATS OF ENAMEL ITEM ⑮ TO EXTERIOR OF CASE AND TO DIMENSION SHOWN FOR THE INTERIOR OF CASE. ITEMS ⑥⑧⑫ TO BE FREE FROM FINISH.
8. WELD PER MIL-W-6858, CLASS B, GROUP A.
9. BOND ITEMS ⑨⑫⑬ TO ITEM ① USING ITEM ⑯ AFTER APPLYING ITEMS ⑭ AND ⑮.
10. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
11. SILK SCREEN CHARACTERS PER ND1002112, .50 HIGH PER ND1002122 TYPE I, CLASS I, USING ITEM ⑰. CENTRALIZE AS SHOWN.
12. MARK CHARACTERS PER ND1002019, COLOR BLACK .12 HIGH. CENTRALIZE AS SHOWN.
13. MATERIAL: QQ-A-200/8 TEMPER T6 (AL ALY ES2106 6061).
14. CUT TO SUIT.
15. MATERIAL: QQ-A-200/9 TEMPER T5 (AL ALY ES 2106 6063).
16. WELD PER MIL-W-8604.

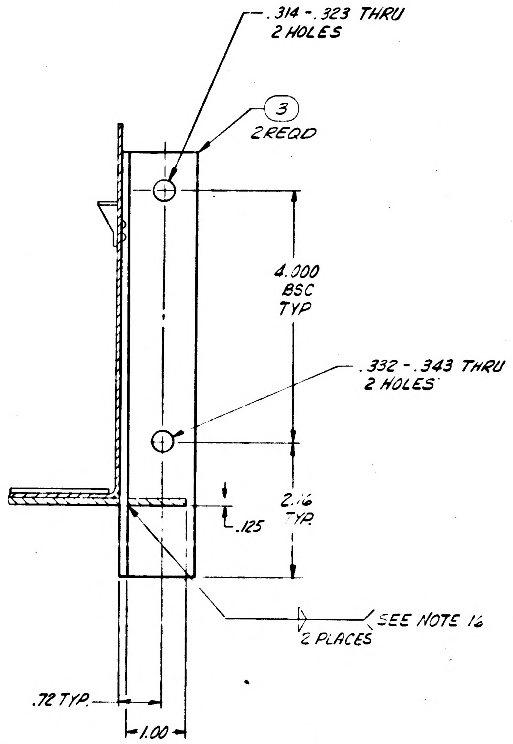

6.920
5.50
1.86
6.970 BSC
3.360 BSC
2.300
A
A
④
THIS SURFACE TO BE FREE OF ITEMS ⑭⑮
THIS SURFACE TO BE FREE OF ITEMS ⑭⑮.
.154 .161 THRU 4 HOLES ⊕ .010 DIA
⑨ 2 REQD SEE NOTE 9
⑬ SEE NOTE 9
⑫ SEE NOTE 9
5.900 BSC
1.800 BSC
4.44
2.380 BSC
1.820
.18 TYP
6.240 BSC
9.22
2.22 TYP.
3.080 BSC
1.10 TYP.
2.32 TYP.
1.480
.640 BSC
.50 2 PLACES
.08 TYP.
.56 2 PLACES
2.500 BSC
1.00
1.440 BSC
2.40
6.600 BSC
SEE NOTE 16
G 4 PLACES
SEE NOTE 8
2.00
(5) 2 PLACES
.154 .161 THRU 2 HOLES ⊕ .010 DIA
⑥ 12 REQD
⑦ 24 REQD FORM OVER SECURELY FAR SIDE


MARK BOTH SIDES SEE NOTE 12
.093 .099 THRU 24 HOLES ⊕ .010 DIA.
.997 1.010 THRU ⊕ .015 DIA
MARK DS1, E1 E2, FAR SIDE SEE NOTE 12
.134 .141 THRU 5 HOLES ⊕ .015 DIA
.069 - .073 THRU ⊕ .010 DIA 2-56NC-2B THRU C'SK 90° TO MAJOR DIA. 4 HOLES
SEE NOTE 8
1.00
(5) 2 PLACES
.56
2 PLACES
1.938 BSC
1.28
1.20 SEE NOTE 7
1.28
E2
.75 2 PLACES
.50
.761 BSC
.221 .217 BSC TYP
.34
J1
3.120 BSC
1.750 BSC
S3
I3
.453 BSC
.906 BSC
4.018 TYP
5.90
.26
3.18
1.94
.82
.06R 4 PLACES
.063
.19 R TYP
2.72
2.060 THRU ⊕ .010 DIA
.125 TYP
1.000 BSC
1.25 TYP
.453 BSC
.906 BSC
2.78
2.000 BSC
.183 .191 THRU 5 HOLES ⊕ .010 DIA
3.54
5.64
9.22
SEE NOTE 16
2 PLACES

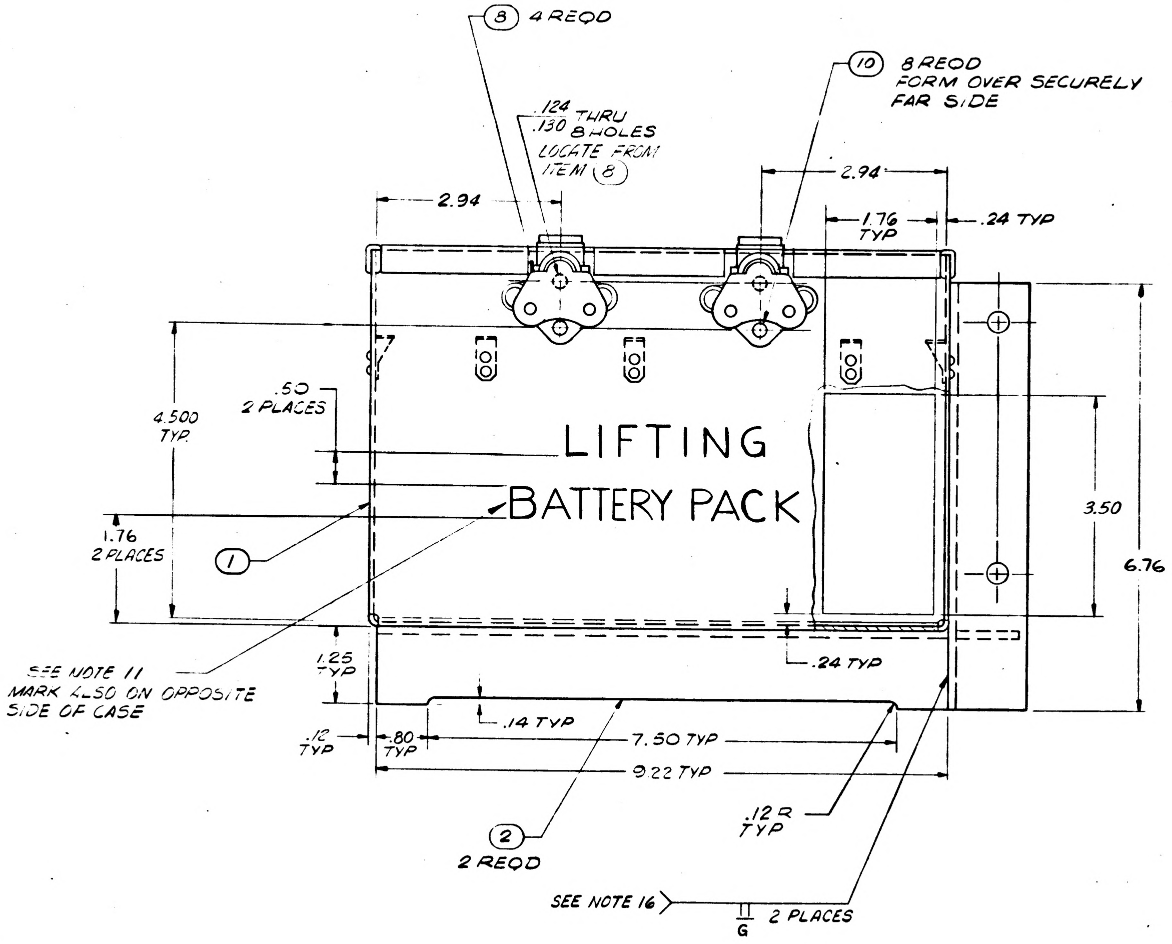
5800859

2900828 | 1 | C

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 207021		1 DEC 65	
B		REVISED PER MXC 207452		9 DEC 65	JHP EF
C		UPGRADED TO CLASS A PER TDRR 25325		9 DEC 65	J
D		REVISED PER TDRR 25853		11 FEB 66	JAC


.314 - .323 THRU
2 HOLES
3
2 REQD
4.000
BSC
TYP
.332 - .343 THRU
2 HOLES
2.16
TYP
.125
SEE NOTE 16
2 PLACES
.72 TYP
1.00

SECTION A-A


8 4 REQD
10 8 REQD
FORM OVER SECURELY
FAR SIDE
.124
.130 THRU
8 HOLES
LOCATE FROM
ITEM 8
2.94
2.94
1.76
TYP
.24 TYP
LIFTING
BATTERY PACK
4.500
TYP.
.50
2 PLACES
1.76
2 PLACES
1
3.50
6.76
.24 TYP
SEE NOTE 11
MARK ALSO ON OPPOSITE
SIDE OF CASE
1.25
TYP
.14 TYP
.12
TYP
.80
TYP
7.50 TYP
9.22 TYP
.12 R
TYP
2
2 REQD
SEE NOTE 16
G
2 PLACES

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	17	AR	ND1002111	ENAMEL SEMI-GLOSS INSTRUMENT BLK NO.514 OF ANA157
	16	AR	MIL-A-5092 TYPE II	ADHESIVE (ES2770-2)
SEE NOTE 10	15	AR	1016194	ENAMEL, CASHMERE BLUE
	14	AR	MIL-P-8585	PRIMER (ES2589)
	13	1	2900825	PAD, INSULATING - RUBBER
SEE NOTES 10 & 14	12	1	1016171-001	SEAL CHANNEL 33" TOTAL LG
	11			
	10	8	MS20470-AD4-5	RIVET SOLID
SEE NOTE 6	9	2	2900828-006	PADDING
	8	4	897372	CATCH, CLAMPING SPRING LOADED
	7	24	MS20470-AD3-4	RIVET, SOLID
SEE NOTE 10	6	2	1006723-2	NUT SELF LOCKING
	5			
SEE NOTE 15	4	1	2900828-004	SPACER, SUPPORT
SEE NOTE 13	3	2	2900828-003	SUPPORT, CASE
SEE NOTE 13	2	2	2900828-002	FEET, CASE
SEE NOTE 5 & 7	1	1	2900828-001	CASE, INSEP ASSEMBLY

LIST OF PARTS AND MATERIALS

2900827-011	2900063-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± .005
± .02
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS-9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN DATE 11 OCT 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CASE BATTERY POWER
SUPPLY
(INSEPARABLE ASSEMBLY)

CODE IDENT NO 99974
SIZE J/2
2900828
SCALE FULL
SHEET 1 OF 1

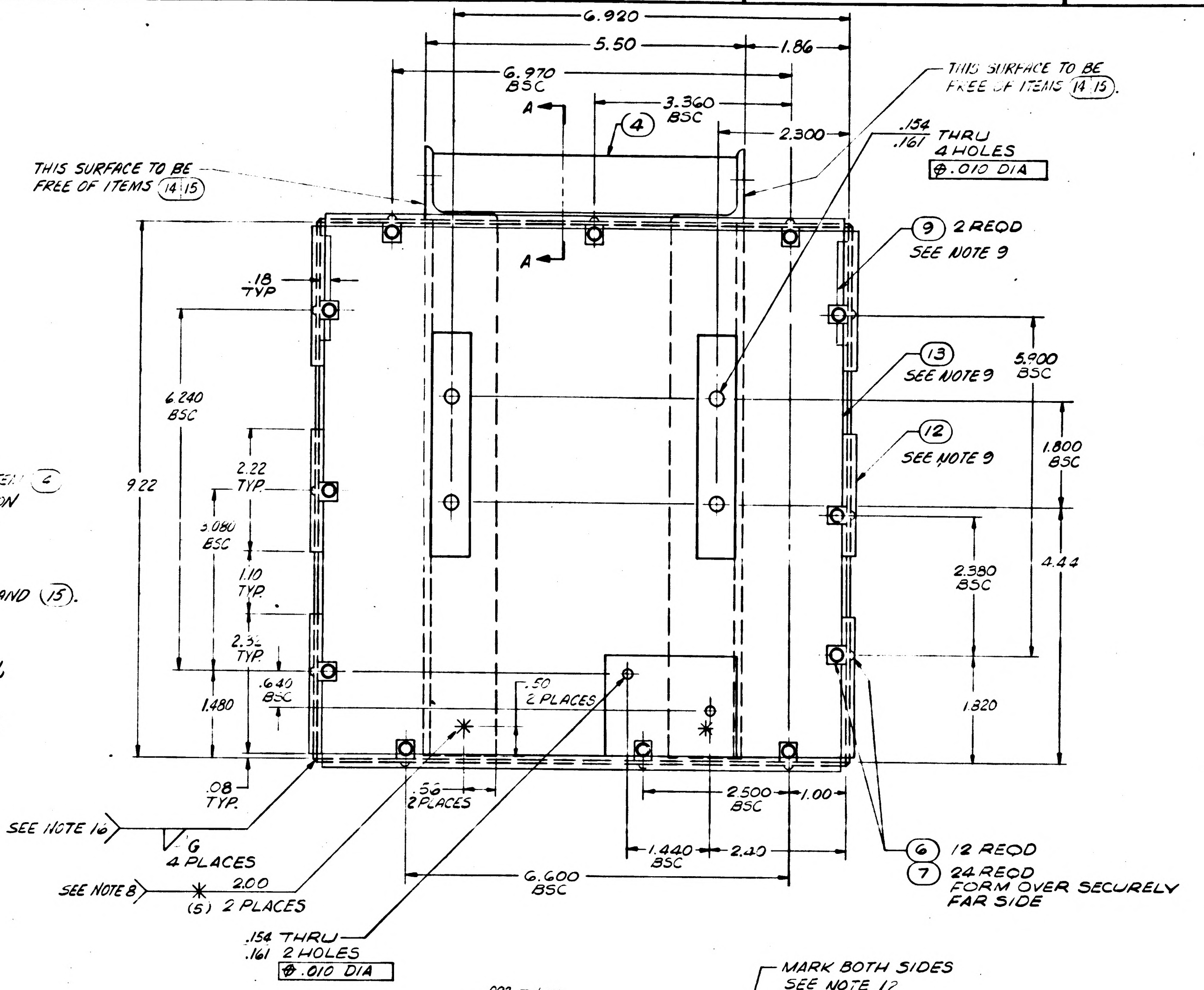
2900828 | 1 | D

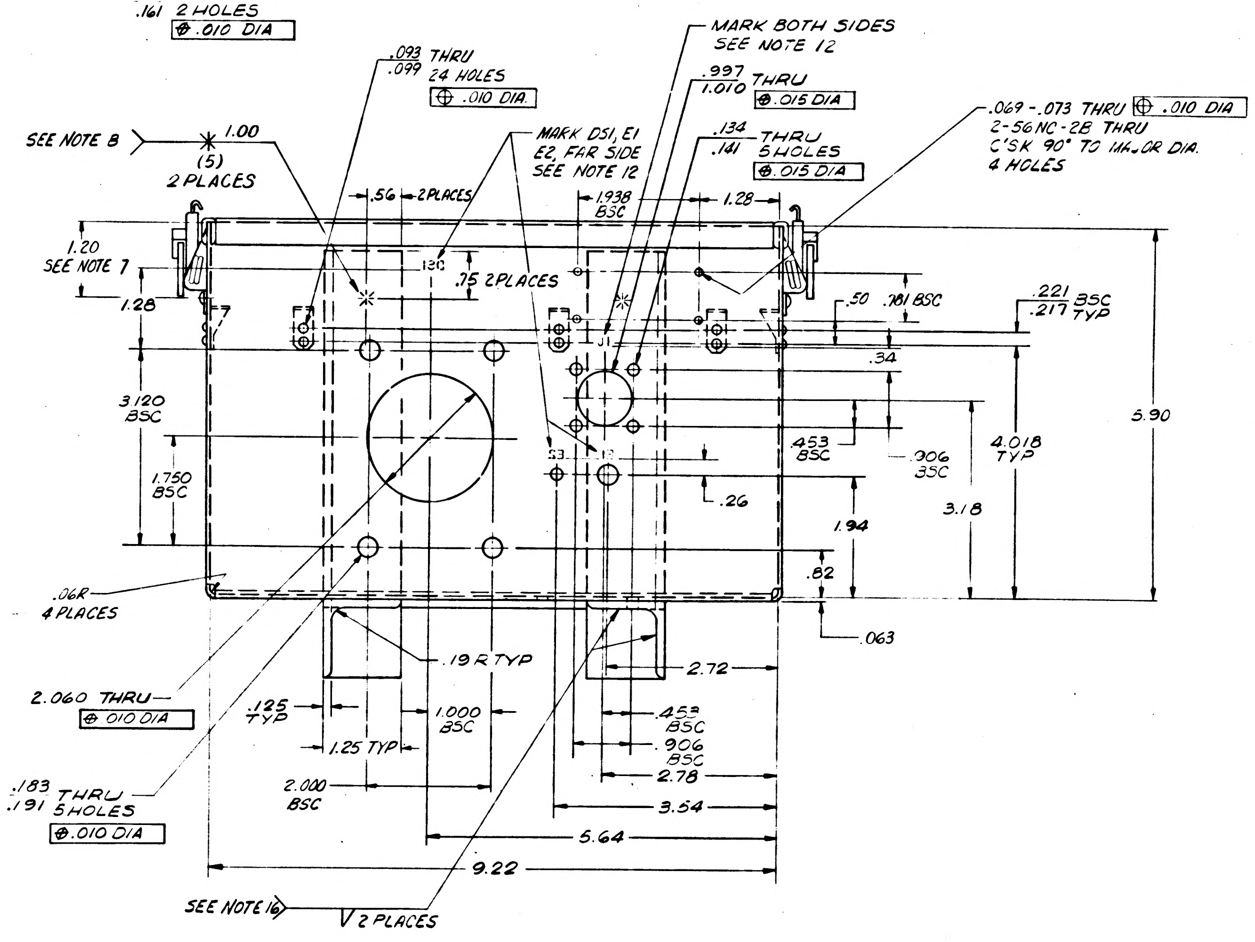
2900828

2729008 28

NOTES

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
5. MATERIAL: QQ-A-250/8 TEMPER H-32 (AL ALY ES2105 5052).
6. MATERIAL: MIL-R-6855, CLASS II, GRADE 40 (ES2710-1).
7. FINISH: MIL-C-5541 (CHEMICAL FILM, ES591) EXCEPT AS NOTED APPLY ONE COAT OF PRIMER ITEM (4) AND TWO COATS OF ENAMEL ITEM (15) TO EXTERIOR OF CASE AND TO DIMENSION SHOWN FOR THE INTERIOR OF CASE. ITEMS (9|12|13) TO BE FREE FROM FINISH.
8. WELD PER MIL-W-6858 CLASS B GROUP A
9. BOND ITEMS (9|12|13) TO ITEM (1) USING ITEM (16) AFTER APPLYING ITEMS (14) AND (15).
10. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
11. SILK SCREEN CHARACTERS PER ND1002112, .50 HIGH PER ND1002122 TYPE I, CLASS I, USING ITEM (17). CENTRALIZE AS SHOWN.
12. MARK CHARACTERS PER ND1002019, COLOR BLACK .12 HIGH. CENTRALIZE AS SHOWN.
13. MATERIAL: QQ-A-200/8 TEMPER T6 (AL ALY ES2105 6061).
14. CUT TO SUIT.
15. MATERIAL: QQ-A-200/9 TEMPER T5 (AL ALY ES2106 6063).
16. WELD PER MIL-W-8604.


6.920
5.50
1.86
6.970 BSC
3.360 BSC
A
(4)
2.300
THIS SURFACE TO BE FREE OF ITEMS (14)(15)
.154 .161 THRU 4 HOLES ⌖ .010 DIA
(9) 2 REQD SEE NOTE 9
(13) SEE NOTE 9
5.900 BSC
(12) SEE NOTE 9
1.800 BSC
.18 TYP
6.240 BSC
2.22 TYP
9.22
3.080 BSC
1.10 TYP
2.380 BSC
4.44
2.32
1.480
.640 BSC
.50 2 PLACES
1.820
.08 TYP
.56 2 PLACES
2.500 BSC
1.00
1.440 BSC
2.20
6.600 BSC
SEE NOTE 16
G 4 PLACES
SEE NOTE 8
.200 (5) 2 PLACES
.154 THRU .161 2 HOLES ⌖ .010 DIA
(6) 12 REQD
(7) 24 REQD FORM OVER SECURELY FAR SIDE


MARK BOTH SIDES SEE NOTE 12
.093 .099 THRU 24 HOLES ⌖ .010 DIA
.997 1.010 THRU ⌖ .015 DIA
.069-.073 THRU ⌖ .010 DIA 2-56NC-2B THRU C'SK 90° TO MAJOR DIA. 4 HOLES
MARK DS1, E1 E2, FAR SIDE SEE NOTE 12
.134 .141 THRU 5 HOLES ⌖ .015 DIA
SEE NOTE 8
1.00 (5) 2 PLACES
.56 2 PLACES
1.938 BSC
1.28
1.20 SEE NOTE 7
1.28
.75 2 PLACES
.50
.181 BSC
.221 .217 BSC TYP
.34
3.120 BSC
.453 BSC
.906 BSC
4.018 TYP
5.90
1.750 BSC
.26
3.18
1.94
.82
.06R 4 PLACES
.063
.19 R TYP
2.72
2.060 THRU ⌖ .010 DIA
.125 TYP
1.000 BSC
1.25 TYP
.453 BSC
.906 BSC
2.78
.183 .191 THRU 5 HOLES ⌖ .010 DIA
2.000 BSC
3.54
5.64
9.22
SEE NOTE 16
V 2 PLACES

2900828 SH 1 REV D

APPLICATION	
NEXT ASSY	USED ON
2700708-011	2900708-011

REVISIONS 23418

SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 205947	18 OCT 65	JWP / J.E.G.
B	REVISED PER MXC 206015	19 OCT 65	JWP / CP
C	INITIAL RELEASE CLASS A PER TDRR 23418	19 OCT 65	JR / CW

REV STATUS OF SHEETS																	
REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

AC SPARK PLUG DIVISION , GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN J. Kolike DATE 20 SEP 65
CHECKED C. Pujda
APPROVAL J. Mitton 23 SEP 65
APPROVAL J. M. Watson 10-21-65

CABLE ASSEMBLY, SPECIAL
PURPOSE, ELECTRICAL,
BRANCHED - W172

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO. 99974
SIZE A
2900834
REV C

CONTRACT NAS 9-497
SCALE NONE
SHEET 1 OF 16

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND 1002032
B - ND 1C02071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 9.

4 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

5 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND 8.

6 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

7 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 7 AND 8.

8 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

9 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

10 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 9.

11 MARK CHARACTERS PER ND1C02019, .12 HIGH, COLOR BLACK.

12 MARK CHARACTERS PER ND 1002019, .12 HIGH, COLOR WHITE.

13 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
L - WHITE WITH BLUE TRACER
R - WHITE WITH RED TRACER.

14 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900834-001	WIRE PER ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT FT TOTAL LENGTH
	2	1	2900834-002	WIRE PER ND1002181 TYPE 2, CLASS 1 T2, 22 AWG, WHT/BLU, WHT/RED
	3	1	2900834-003	WIRE PER ND1002181 TYPE 2, CLASS 4, 22 AWG, WHT JACKET, WHT/BLU, WHT/RED
11	4	22	1010763- 2	SLEEVE, SOLDER
11	5	48	1010490-228	INSULATION SLEEVING, ELEC HEAT SHRINK
	6	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	7	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	8	AR	SN60WS	SOLDER QQ-S-571 (ES2157-1)
	9	AR	MIL-T-713	TYPE P LACING TAPE (ES2732 NO. 18)
11	10	1	1016006-001	SPLICE REDUCER
	11	1	MS3126F-12-10S	(1897039-100) CONNECTOR PLUG
	12	1	MS3126F-12-10SW	(1897039-101) CONNECTOR PLUG
	13	1	MS3126F-22-55S	(1897046-550) CONNECTOR PLUG
	14	1	MS3126F-22-55SX	(1897046-552) CONNECTOR PLUG
	15	1	MS3126F-24-61PY	(1897047-613) CONNECTOR PLUG
	16	1	MS3126F-24-61PZ	(1897047-614) CONNECTOR PLUG

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	17	1	1016197-011	TUBING, SHRINKFIT 5 FT TOTAL LENGTH
11	18	1	1016197-010	TUBING, SHRINKFIT 36 INCHES TOTAL LENGTH
11	19	7	1016128-021	BAND, IDENTIFICATION

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 1A	1		SHLD A1 P5-E					.31 .22	NO NO			
A 1L			P5-D• P3-U•					.22 .22	NO NO			
A 1R			P5-C• P3-V•					.22 .22	NO NO			
A 2	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 2A	1		SHLD A2 P5-H•					.31 .22	NO NO			
A 2L			P5-G• P3-R•					.22 .22	NO NO			
A 2R			P5-F• P3-S•					.22 .22	NO NO			
A 3	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 3A	1		SHLD A3 P5-K•					.31 .22	NO NO			
A 3L			P5-J• P3-E•					.22 .22	NO NO			
A 3R			P5-I• P3-F•					.22 .22	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 6 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 4A	1		SHLD A4 P5-P•					.31 .22	NO NO			
A 4L			P5-N• P3-B•					.22 .22	NO NO			
A 4R			P5-M• P3-C•					.22 .22	NO NO			
A 5	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 5A	1		SHLD A5 P5-S•					.31 .22	NO NO			
A 5L			P5-R• P4-EE					.22 .22	NO NO			
A 5R			P5-Q• P4-FF					.22 .22	NO NO			
A 6	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 6A	1		SHLD A6 P5-V•					.31 .22	NO NO			
A 6L			P5-U• P4-BB					.22 .22	NO NO			
A 6R			P5-T• P4-CC					.22 .22	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 7 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 7A	1		SHLD A7 P5-Y•					.31 .22	NO NO			
A 7L			P5-X• P3-K•					.22 .22	NO NO			
A 7R			P5-W• P3-J•					.22 .22	NO NO			
A 8	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 8A	1		SHLD A8 P5-BB					.31 .22	NO NO			
A 8L			P5-AA P3-P•					.22 .22	NO NO			
A 8R			P5-Z• P3-N•					.22 .22	NO NO			
A 9	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 9A	1		SHLD A9 P5-EE					.31 .22	NO NO			
A 9L			P5-DD P3-W					.22 .22	NO NO			
A 9R			P5-CC P3-V					.22 .22	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 8 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 10A	1		SHLD A10 P5-HH					.31 .22	NO NO			
A 10L			P5-GG P3-Z					.22 .22	NO NO			
A 10R			P5-FF P3-Y					.22 .22	NO NO			
A 11	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 11A	1		SHLD A11 P5-LL					.31 .22	NO NO			
A 11L			P5-KK P4-W•					.22 .22	NO NO			
A 11R			P5-JJ P4-V•					.22 .22	NO NO			
A 12	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 12A	1		SHLD A12 P5-PP					.31 .22	NO NO			
A 12L			P5-NN P4-Z•					.22 .22	NO NO			
A 12R			P5-MM P4-Y•					.22 .22	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 9 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3				3.25 2.25	3.00 2.00				B,6A A,7	4, 5 5	
A 13A	1		SHLD A13 E1-BB					.31 .30	NO NO			
A 13L			P5-B• P3-FF					.22 .22	NO NO			
A 13R			P5-A• P3-EE					.22 .22	NO NO			
A 14	2										5 5	
A 14L			P5-Z P3-GG					.22 .22	NO NO			
A 14R			P5-Y P3-HH					.22 .22	NO NO			
A 15	1		P5-S P3-X•					.22 .22	NO NO			
A 16	1		P5-T P3-H•					.22 .22	NO NO			
A 17	1		P5-U P4-HH					.22 .22	NO NO			
A 18	1		P5-V P3-W•					.22 .22	NO NO			
A 19	1		P5-W P3-G•					.22 .22	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 10 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	1		P5-X P4-GG					.22 .22	NO NO			
A 21	1		P5-A P3-A					.22 .22	NO NO			
A 22	3				3.25 2.25	3.00 2.00				B,6B A,7	 5	
A 22A	1		SHLD A22 P6-S•					.31 .22	NO NO			
A 22L			P6-R• P4-Q•					.22 .22	NO NO			
A 22R			P6-Q• P4-R•					.22 .22	NO NO			
A 23	3				3.25 2.25	3.00 2.00				B,6B A,7	 5	
A 23A	1		SHLD A23 P6-V•					.31 .22	NO NO			
A 23L			P6-U• P4-M•					.22 .22	NO NO			
A 23R			P6-T• P4-N•					.22 .22	NO NO			
A 24	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 24A	1		SHLD A24 P6-Y•					.31 .22	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 11 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P6-X• P4-Z					.22 .22	NO NO			
A 24R			P6-W• P4-A•					.22 .22	NO NO			
A 25	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 25A	1		SHLD A25 P6-BB					.31 .22	NO NO			
A 25L			P6-AA P4-W					.22 .22	NO NO			
A 25R			P6-Z• P4-X					.22 .22	NO NO			
A 26	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 26A	1		SHLD A26 P6-EE					.31 .22	NO NO			
A 26L			P6-DD P4-G•					.22 .22	NO NO			
A 26R			P6-CC P4-F•					.22 .22	NO NO			
A 27	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 27A	1		SHLD A27 P6-HH					.31 .22	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 12 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27L			P6-GG P4-J•					.22 .22	NO NO			
A 27R			P6-FF P4-I•					.22 .22	NO NO			
A 28	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 28A	1		SHLD A28 P6-LL					.31 .22	NO NO			
A 28L			P6-KK P4-P					.22 .22	NO NO			
A 28R			P6-JJ P4-N					.22 .22	NO NO			
A 29	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 29A	1		SHLD A29 P6-PP					.31 .22	NO NO			
A 29L			P6-NN P4-T					.22 .22	NO NO			
A 29R			P6-MM P4-S					.22 .22	NO NO			
A 30	1		P6-G• P4-T•					.22 .22	NO NO			
A 31	1		P6-H• P4-C•					.22 .22	NO NO			

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A
2900834
SCALE-NONE
REV LTR C
SHEET 13 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	1		P6-I• P4-B*					.22 .22	NO NO			
A 33	1		P6-J• P4-S*					.22 .22	NO NO			
A 34	1		P6-K• P4-L					.22 .22	NO NO			
A 35	1		P6-M• P4-M					.22 .22	NO NO			
A 36	1		P6-N• P4-D•					.22 .22	NO NO			
A 37	1		P3-B P1-A					.22 .22	NO NO			
A 38	2										5 5	
A 38L			P2-D P1-H					.22 .22	NO NO			
A 38R			P2-C P1-G					.22 .22	NO NO			
A 39			E1-BB P5-B					.30 .22	NO NO			
A 40	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 40A	1		SHLD A40 E1-B					.31 .30	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900834

SCALE - NONE

REV LTR C

SHEET 14 OF 16

MIL 2084 4-63

CABLE ASSEMBLY W172 2900834 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40L			P3-CC P2-G					.22 .22	NO NO			
A 40R			P3-DD P2-F					.22 .22	NO NO			
A 41	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 41A	1		SHLD A41 E1-B					.31 .30	NO NO			
A 41L			P3-BB P1-F					.22 .22	NO NO			
A 41R			P3-AA P1-E					.22 .22	NO NO			
A 42	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 42A	1		SHLD A42 E1-B					.31 .30	NO NO			
A 42L			P3-Z• P1-D					.22 .22	NO NO			
A 42R			P3-Y• P1-C					.22 .22	NO NO			
A 43	1		P3-C P2-A					.22 .22	NO NO			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900834

SCALE - NONE

REV LTR C

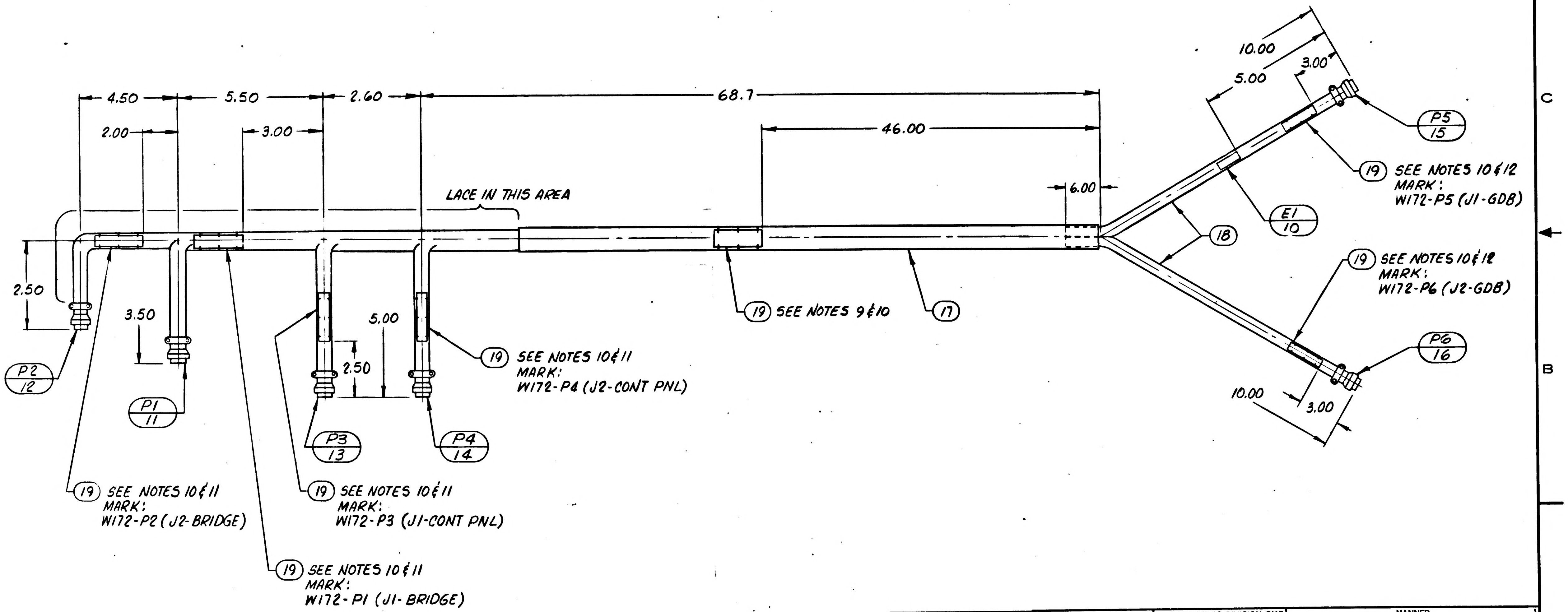
SHEET 15 OF 16

MIL 2084 4-63

2900834 C

REVISIONS 23918

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHEET 1 FOR REVISION RECORD			



4.50
5.50
2.60
68.7
2.00
3.00
46.00
6.00
LACE IN THIS AREA
2.50
3.50
5.00
2.50
10.00
3.00
5.00
10.00
3.00
P2 / 12
P1 / 11
P3 / 13
P4 / 14
P5 / 15
P6 / 16
E1 / 10
18
17
19 SEE NOTES 9 & 10
19 SEE NOTES 10 & 11 MARK: W172-P4 (J2-CONT PNL)
19 SEE NOTES 10 & 11 MARK: W172-P2 (J2-BRIDGE)
19 SEE NOTES 10 & 11 MARK: W172-P3 (J1-CONT PNL)
19 SEE NOTES 10 & 11 MARK: W172-P1 (J1-BRIDGE)
19 SEE NOTES 10 & 12 MARK: W172-P5 (J1-GDB)
19 SEE NOTES 10 & 12 MARK: W172-P6 (J2-GDB)

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ±.50 ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. Holaski DATE 20 SEP 65
CHECKED C. Pryda 23 SEP 65
APPROVAL J. Mitten 23 Sep 65
APPROVAL 10-11-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED - W172

CODE IDENT NO. 99974
SIZE D
2900834
SCALE NONE
SHEET 16 OF 16

APPLICATION	
NEXT ASSY	USED ON
2900708-011	2900708-011

REVISIONS 23418			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER MXC 205947	18 OCT 65	JWP J.E.G
B	REVISED PER MXC 206015	19 OCT 65	JWP CP
C	INITIAL RELEASE CLASS A PER TDRR 23418	19 OCT 65	JR CW
D	REVISED PER TDRR 25397	28 JAN 66	RCP JRS

REV STATUS OF SHEETS																			
REV		D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Volske DATE 20 SEP 65
CHECKED C. Piojda
APPROVAL J. Mitton 23 SEP 65
APPROVAL J. M. Watson 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL
PURPOSE, ELECTRICAL,
BRANCHED - W172

CODE IDENT NO.	SIZE		REV
99974	A	2900834	D
SCALE NONE		SHEET 1 OF 18	

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
   A - ND 1002032
   B - ND 1002071

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 9.

4 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

5 APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

6 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.

7 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 7 AND 8.

8 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

9 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

10 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 9.

11 MARK CHARACTERS PER ND1002019, .12 HIGH, COLOR BLACK.

12 MARK CHARACTERS PER ND 1002019, .12 HIGH, COLOR WHITE.

13 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
   A - FROM END SHIELD
   L - WHITE WITH BLUE TRACER
   R - WHITE WITH RED TRACER.

14 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900834-001	WIRE PER ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT FT TOTAL LENGTH
	2	1	2900834-002	WIRE PER ND1002181 TYPE 2, CLASS 1 T2, 22 AWG, WHT/BLU, WHT/RED
	3	1	2900834-003	WIRE PER ND1002181 TYPE 2, CLASS 4, 22 AWG, WHT JACKET, WHT/BLU, WHT/RED
11	4	27	1010763- 2	SLEEVE, SOLDER
11	5	56	1010490-228	INSULATION SLEEVING, ELEC HEAT SHRINK
	6	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	7	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	8	AR	SN60WS	SOLDER QQ-S-571 (ES2157-1)
	9	AR	MIL-T-713	TYPE P LACING TAPE (ES2732 NO. 18)
11	10	1	1016006-001	SPLICE REDUCER
	11	1	MS3126F-12-10S	(1897039-100) CONNECTOR PLUG
	12	1	MS3126F-12-10SW	(1897039-101) CONNECTOR PLUG
	13	1	MS3126F-22-55S	(1897046-550) CONNECTOR PLUG
	14	1	MS3126F-22-55SX	(1897046-552) CONNECTOR PLUG
	15	1	MS3126F-24-61PY	(1897047-613) CONNECTOR PLUG
	16	1	MS3126F-24-61PZ	(1897047-614) CONNECTOR PLUG

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	17	1	1016197-011	TUBING, SHRINKFIT 5 FT TOTAL LENGTH
11	18	1	1016197-010	TUBING, SHRINKFIT 36 INCHES TOTAL LENGTH
11	19	7	1016128-021	BAND, IDENTIFICATION

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 1A	1		SHLD A1 P5-E					.31 .22	NO NO			
A 1L			P5-D* P3-U*					.22 .22	NO NO			
A 1R			P5-C* P3-V*					.22 .22	NO NO			
A 2	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 2A	1		SHLD A2 P5-H*					.31 .22	NO NO			
A 2L			P5-G* P3-R*					.22 .22	NO NO			
A 2R			P5-F* P3-S*					.22 .22	NO NO			
A 3	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 3A	1		SHLD A3 P5-K*					.31 .22	NO NO			
A 3L			P5-J* P3-E*					.22 .22	NO NO			
A 3R			P5-I* P3-F*					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 6 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 4	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 4A	1		SHLD A4 P5-P*					.31 .22	NO NO			
A 4L			P5-N* P3-B*					.22 .22	NO NO			
A 4R			P5-M* P3-C*					.22 .22	NO NO			
A 5	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 5A	1		SHLD A5 P5-S*					.31 .22	NO NO			
A 5L			P5-R* P4-EE					.22 .22	NO NO			
A 5R			P5-Q* P4-FF					.22 .22	NO NO			
A 6	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 6A	1		SHLD A6 P5-V*					.31 .22	NO NO			
A 6L			P5-U* P4-BB					.22 .22	NO NO			
A 6R			P5-T* P4-CC					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 7 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 7	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 7A	1		SHLD A7 P5-Y*					.31 .22	NO NO			
A 7L			P5-X* P3-K*					.22 .22	NO NO			
A 7R			P5-W* P3-J*					.22 .22	NO NO			
A 8	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 8A	1		SHLD A8 P5-BB					.31 .22	NO NO			
A 8L			P5-AA P3-P*					.22 .22	NO NO			
A 8R			P5-Z* P3-N*					.22 .22	NO NO			
A 9	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 9A	1		SHLD A9 P5-EE					.31 .22	NO NO			
A 9L			P5-DD P3-W					.22 .22	NO NO			
A 9R			P5-CC P3-V					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 8 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 10	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 10A	1		SHLD A10 P5-HH					.31 .22	NO NO			
A 10L			P5-GG P3-Z					.22 .22	NO NO			
A 10R			P5-FF P3-Y					.22 .22	NO NO			
A 11	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 11A	1		SHLD A11 P5-LL					.31 .22	NO NO			
A 11L			P5-KK P4-W*					.22 .22	NO NO			
A 11R			P5-JJ P4-V*					.22 .22	NO NO			
A 12	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A 12A	1		SHLD A12 P5-PP					.31 .22	NO NO			
A 12L			P5-NN P4-Z*					.22 .22	NO NO			
A 12R			P5-MM P4-Y*					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 9 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3				3.25 2.25	3.00 2.00				B,6A A,7	4, 5 5	
A 13A	1		SHLD A13 E1-BB					.31 .30	NO NO			
A 13L			P5-B* P3-FF					.22 .22	NO NO			
A 13R			P5-A* P3-EE					.22 .22	NO NO			
A 14	2										5 5	
A 14L			P5-Z P3-GG					.22 .22	NO NO			
A 14R			P5-Y P3-HH					.22 .22	NO NO			
A 15	1		P5-S P3-X*					.22 .22	NO NO			
A 16	1		P5-T P3-H*					.22 .22	NO NO			
A 17	1		P5-U P4-HH					.22 .22	NO NO			
A 18	1		P5-V P3-W*					.22 .22	NO NO			
A 19	1		P5-W P3-G*					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 10 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	1		P5-X P4-GG					.22 .22	NO NO			
A 21	1		P5-A P3-A					.22 .22	NO NO			
A 22	3				3.25 2.25	3.00 2.00				B,6B A,7	5	
A 22A	1		SHLD A22 P6-S*					.31 .22	NO NO			
A 22L			P6-R* P4-Q*					.22 .22	NO NO			
A 22R			P6-Q* P4-R*					.22 .22	NO NO			
A 23	3				3.25 2.25	3.00 2.00				B,6B A,7	5	
A 23A	1		SHLD A23 P6-V*					.31 .22	NO NO			
A 23L			P6-U* P4-M*					.22 .22	NO NO			
A 23R			P6-T* P4-N*					.22 .22	NO NO			
A 24	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 24A	1		SHLD A24 P6-Y*					.31 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 11 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P6-X* P4-Z					.22 .22	NO NO			
A 24R			P6-W* P4-A*					.22 .22	NO NO			
A 25	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 25A	1		SHLD A25 P6-BB					.31 .22	NO NO			
A 25L			P6-AA P4-W					.22 .22	NO NO			
A 25R			P6-Z* P4-X					.22 .22	NO NO			
A 26	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 26A	1		SHLD A26 P6-EE					.31 .22	NO NO			
A 26L			P6-DD P4-G*					.22 .22	NO NO			
A 26R			P6-CC P4-F*					.22 .22	NO NO			
A 27	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 27A	1		SHLD A27 P6-HH					.31 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 12 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27L			P6-GG P4-J*					.22 .22	NO NO			
A 27R			P6-FF P4-I*					.22 .22	NO NO			
A 28	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 28A	1		SHLD A28 P6-LL					.31 .22	NO NO			
A 28L			P6-KK P4-P					.22 .22	NO NO			
A 28R			P6-JJ P4-N					.22 .22	NO NO			
A 29	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 29A	1		SHLD A29 P6-PP					.31 .22	NO NO			
A 29L			P6-NN P4-T					.22 .22	NO NO			
A 29R			P6-MM P4-S					.22 .22	NO NO			
A 30	1		P6-G* P4-T*					.22 .22	NO NO			
A 31	1		P6-H* P4-C*					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 13 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	1		P6-I• P4-B•					.22 .22	NO NO			
A 33	1		P6-J• P4-S•					.22 .22	NO NO			
A 34	1		P6-K• P4-L					.22 .22	NO NO			
A 35	1		P6-M• P4-M					.22 .22	NO NO			
A 36	1		P6-N• P4-D•					.22 .22	NO NO			
A 37	1		P3-B P1-A					.22 .22	NO NO			
A 38			DELETED									
A 38L			DELETED									
A 38R			DELETED									
A 39			E1-BB P5-B					.30 .22	NO NO			
A 40	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 40A	1		SHLD A40 E1-B					.31 .30	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 14 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40L			P3-CC P2-G					.22 .22	NO NO			
A 40R			P3-DD P2-F					.22 .22	NO NO			
A 41	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 41A	1		SHLD A41 E1-B					.31 .30	NO NO			
A 41L			P3-BB P1-F					.22 .22	NO NO			
A 41R			P3-AA P1-E					.22 .22	NO NO			
A 42	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 42A	1		SHLD A42 E1-B					.31 .30	NO NO			
A 42L			P3-Z• P1-D					.22 .22	NO NO			
A 42R			P3-Y• P1-C					.22 .22	NO NO			
A 43	1		P3-C P2-A					.22 .22	NO NO			
A 44	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 15 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44A	1		SHLD A44 P6-T					.31 .22	NO NO			
A 44L			P6-S P3-K					.22 .22	NO NO			
A 44R			P6-R P3-J					.22 .22	NO NO			
A 45	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 45A	1		SHLD A45 P6-W					.31 .22	NO NO			
A 45L			P6-V P4-J					.22 .22	NO NO			
A 45R			P6-U P4-K					.22 .22	NO NO			
A 46	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 46A	1		SHLD A46 P6-Z					.31 .22	NO NO			
A 46L			P6-Y P4-F					.22 .22	NO NO			
A 46R			P6-X P4-G					.22 .22	NO NO			
A 47	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 16 OF 18

MIL 2084 9-65

CABLE ASSEMBLY W172 2900834 D

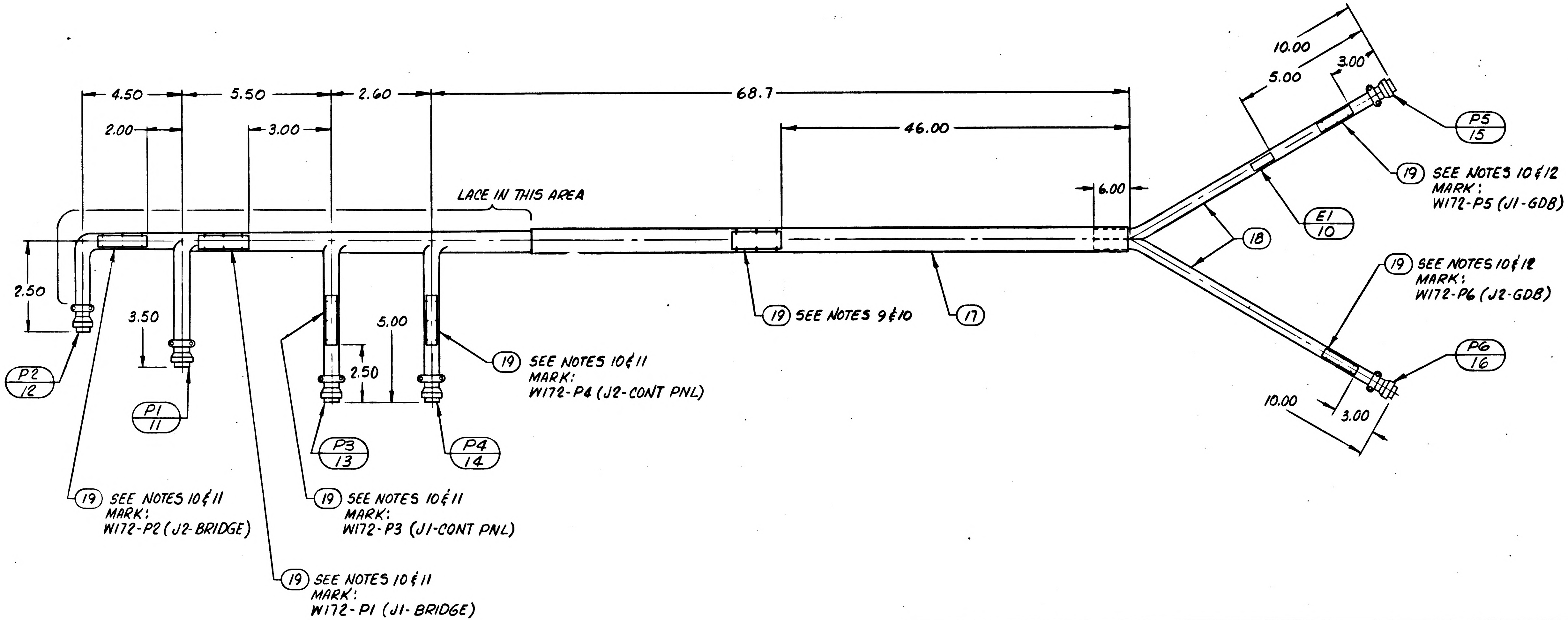
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47A	1		SHLD A47 P6-C•					.31 .22	NO NO			
A 47L			P6-B• P3-S					.22 .22	NO NO			
A 47R			P6-A• P3-T					.22 .22	NO NO			
A 48	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 48A	1		SHLD A48 P6-F•					.31 .22	NO NO			
A 48L			P6-E• P3-P					.22 .22	NO NO			
A 48R			P6-D• P3-R					.22 .22	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900834
SCALE-NONE	REV LTR D	SHEET 17 OF 18

MIL 2084 9-65

2900834 D

REVISIONS		23918			
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
(M)		SEE SHEET 1 FOR REVISION RECORD			



4.50
5.50
2.60
68.7
2.00
3.00
46.00
LACE IN THIS AREA
6.00
10.00
5.00
3.00
P5
15
(19) SEE NOTES 10 & 12
MARK:
W172-P5 (J1-GDB)
E1
10
(18)
(19) SEE NOTES 10 & 12
MARK:
W172-P6 (J2-GDB)
P6
16
10.00
3.00
2.50
3.50
5.00
2.50
(19) SEE NOTES 9 & 10
(17)
(19) SEE NOTES 10 & 11
MARK:
W172-P4 (J2-CONT PNL)
P2
12
P1
11
P3
13
P4
14
(19) SEE NOTES 10 & 11
MARK:
W172-P2 (J2-BRIDGE)
(19) SEE NOTES 10 & 11
MARK:
W172-P3 (J1-CONT PNL)
(19) SEE NOTES 10 & 11
MARK:
W172-P1 (J1-BRIDGE)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ±.50 ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DO NOT SCALE THIS DRAWING	DRAWN Zoloski DATE 20 SEP 65 CHECKED C. Pryde 23 SEP 65 APPROVAL J. Milton 23 Sep 65 APPROVAL 10-11-65	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED - W172		
MATERIAL —	NASA APPROVAL MIT APPROVAL	CODE IDENT NO. 99974	SIZE D	2900834
NEXT ASSY / USED ON APPLICATION				
CONTRACT NAS 9-497		SCALE NONE		SHEET 18 OF 18

APPLICATION		REVISIONS 23418			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2900703-011	290070? 011	A	REVISED PER MXC 205947	18 OCT 65	JWP J.E.G.
		B	REVISED PER MXC 206015	19 OCT 65	JWP CP
		C	INITIAL RELEASE CLASS A PER TDRR 23418	19 OCT 65	JR CW
		D	REVISED PER TDRR 25397	28 JAN 66	RLP JRS
		E	REVISED PER TDRR 26990	14 MAR 66	RLP CW

REV																						
SHEET																						
REV STATUS	REV			E	D	E	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D
OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Fricke DATE 20 SEP 65
CHECKED C. Pieplo
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL
PURPOSE, ELECTRICAL,
BRANCHED - W172

CODE IDENT NO.	SIZE		REV
99974	A	2900834	E
SCALE NONE		SHEET 1 OF 18	

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND 1002032 B - ND 1002071
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 9.
4	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
5	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
7	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 6 OR ITEMS 7 AND 8.
8	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 9.
11	MARK CHARACTERS PER ND1002019, .12 HIGH, COLOR BLACK.
12	MARK CHARACTERS PER ND 1002019, .12 HIGH, COLOR WHITE.
13	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER.
14	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

SIZE	CODE IDENT NO.		
A	99974	2900834	
SCALE-NONE	REV LTR D	SHEET	2 OF 18

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	~~ALL~~ FILL THE SPACE BETWEEN WIRE BUNDLE AND STRAIN RELIEF USING ITEM 20.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.		
A	99974	2900834	
SCALE-NONE	REV LTR F	SHEET	3 OF 1

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900834-001	WIRE PER ND1002181 TYPE 1, CLASS 1, 22 AWG, WHT FT TOTAL LENGTH
	2	1	2900834-002	WIRE PER ND1002181 TYPE 2, CLASS 1 T2, 22 AWG, WHT/BLU, WHT/RED
	3	1	2900834-003	WIRE PER ND1002181 TYPE 2, CLASS 4, 22 AWG, WHT JACKET, WHT/BLU, WHT/RED
11	4	27	1010763- 2	SLEEVE, SOLDER
11	5	56	1010490-228	INSULATION SLEEVING, ELEC HEAT SHRINK
	6	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	7	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	8	AR	SN60WS	SOLDER QQ-S-571 (ES2157-1)
	9	AR	MIL-T-713	TYPE P LACING TAPE (ES2732 NO. 18)
11	10	1	1016006-001	SPLICE REDUCER
	11	1	MS3126F-12-10S	(1897039-100) CONNECTOR PLUG
	12	1	MS3126F-12-10SW	(1897039-101) CONNECTOR PLUG
	13	1	MS3126F-22-55S	(1897046-550) CONNECTOR PLUG
	14	1	MS3126F-22-55SX	(1897046-552) CONNECTOR PLUG
	15	1	MS3126F-24-61PY	(1897047-613) CONNECTOR PLUG
	16	1	MS3126F-24-61PZ	(1897047-614) CONNECTOR PLUG

SIZE	CODE IDENT NO.		
A	99974	2900834	
SCALE-NONE	REV LTR D	SHEET	4 OF 18

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
11	17	1	1016197-011	TUBING, SHRINKFIT 5 FT TOTAL LENGTH
11	18	1	1016197-010	TUBING, SHRINKFIT 36 INCHES TOTAL LENGTH
11	19	7	1016128-021	BAND, IDENTIFICATION
	20	AR	1901390	TAPE, CONNECTOR CLAMP FILLER

SIZE	CODE IDENT NO.		
A	99974	2900834	
SCALE-NONE	REV LTR F	SHEET	5 OF 1

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	1A	1		SHLD A1 P5-E					.31 .22	NO NO			
A	1L			P5-D• P3-U•					.22 .22	NO NO			
A	1R			P5-C• P3-V•					.22 .22	NO NO			
A	2	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	2A	1		SHLD A2 P5-H•					.31 .22	NO NO			
A	2L			P5-G• P3-R•					.22 .22	NO NO			
A	2R			P5-F• P3-S•					.22 .22	NO NO			
A	3	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	3A	1		SHLD A3 P5-K•					.31 .22	NO NO			
A	3L			P5-J• P3-E•					.22 .22	NO NO			
A	3R			P5-I• P3-F•					.22 .22	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE-NONE | REV LTR D | SHEET 6 OF 18

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	4A	1		SHLD A4 P5-P•					.31 .22	NO NO			
A	4L			P5-N• P3-B•					.22 .22	NO NO			
A	4R			P5-M• P3-C•					.22 .22	NO NO			
A	5	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	5A	1		SHLD A5 P5-S•					.31 .22	NO NO			
A	5L			P5-R• P4-EE					.22 .22	NO NO			
A	5R			P5-Q• P4-FF					.22 .22	NO NO			
A	6	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	6A	1		SHLD A6 P5-V•					.31 .22	NO NO			
A	6L			P5-U• P4-BB					.22 .22	NO NO			
A	6R			P5-T• P4-CC					.22 .22	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE-NONE | REV LTR D | SHEET 7 OF 18

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	7A	1		SHLD A7 P5-Y•					.31 .22	NO NO			
A	7L			P5-X• P3-K•					.22 .22	NO NO			
A	7R			P5-W• P3-J•					.22 .22	NO NO			
A	8	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	8A	1		SHLD A8 P5-BB					.31 .22	NO NO			
A	8L			P5-AA P3-P•					.22 .22	NO NO			
A	8R			P5-Z• P3-N•					.22 .22	NO NO			
A	9	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	9A	1		SHLD A9 P5-EE					.31 .22	NO NO			
A	9L			P5-DD P3-W					.22 .22	NO NO			
A	9R			P5-CC P3-V					.22 .22	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE-NONE | REV LTR D | SHEET 8 OF 18

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	10A	1		SHLD A10 P5-HH					.31 .22	NO NO			
A	10L			P5-GG P3-Z					.22 .22	NO NO			
A	10R			P5-FF P3-Y					.22 .22	NO NO			
A	11	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	11A	1		SHLD A11 P5-LL					.31 .22	NO NO			
A	11L			P5-KK P4-W•					.22 .22	NO NO			
A	11R			P5-JJ P4-V•					.22 .22	NO NO			
A	12	3				3.25 2.25	3.00 2.00				B,6B A,7	4, 5 5	
A	12A	1		SHLD A12 P5-PP					.31 .22	NO NO			
A	12L			P5-NN P4-Z•					.22 .22	NO NO			
A	12R			P5-MM P4-Y•					.22 .22	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE-NONE | REV LTR D | SHEET 9 OF 18

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	3				3.25 2.25	3.00 2.00				B,6A A,7	4, 5 5	
A 13A	1		SHLD A13 E1-BB					.31 .30	NO NO			
A 13L			P5-B• P3-FF					.22 .22	NO NO			
A 13R			P5-A• P3-EE					.22 .22	NO NO			
A 14	2										5 5	
A 14L			P5-Z P3-GG					.22 .22	NO NO			
A 14R			P5-Y P3-HH					.22 .22	NO NO			
A 15	1		P5-S P3-X•					.22 .22	NO NO			
A 16	1		P5-T P3-H•					.22 .22	NO NO			
A 17	1		P5-U P4-HH					.22 .22	NO NO			
A 18	1		P5-V P3-W•					.22 .22	NO NO			
A 19	1		P5-W P3-G•					.22 .22	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 20	1		P5-X P4-GG					.22 .22	NO NO			
A 21	1		P5-A P3-A					.22 .22	NO NO			
A 22	3				3.25 2.25	3.00 2.00				B,6B A,7	 5	
A 22A	1		SHLD A22 P6-S•					.31 .22	NO NO			
A 22L			P6-R• P4-Q•					.22 .22	NO NO			
A 22R			P6-Q• P4-R•					.22 .22	NO NO			
A 23	3				3.25 2.25	3.00 2.00				B,6B A,7	 5	
A 23A	1		SHLD A23 P6-V•					.31 .22	NO NO			
A 23L			P6-U• P4-M•					.22 .22	NO NO			
A 23R			P6-T• P4-N•					.22 .22	NO NO			
A 24	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 24A	1		SHLD A24 P6-Y•					.31 .22	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24L			P6-X• P4-Z					.22 .22	NO NO			
A 24R			P6-W• P4-A•					.22 .22	NO NO			
A 25	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 25A	1		SHLD A25 P6-BB					.31 .22	NO NO			
A 25L			P6-AA P4-W					.22 .22	NO NO			
A 25R			P6-Z• P4-X					.22 .22	NO NO			
A 26	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 26A	1		SHLD A26 P6-EE					.31 .22	NO NO			
A 26L			P6-DD P4-G•					.22 .22	NO NO			
A 26R			P6-CC P4-F•					.22 .22	NO NO			
A 27	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 27A	1		SHLD A27 P6-HH					.31 .22	NO NO			

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 27L			P6-GG P4-J•					.22 .22	NO NO			
A 27R			P6-FF P4-I•					.22 .22	NO NO			
A 28	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 28A	1		SHLD A28 P6-LL					.31 .22	NO NO			
A 28L			P6-KK P4-P					.22 .22	NO NO			
A 28R			P6-JJ P4-N					.22 .22	NO NO			
A 29	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 29A	1		SHLD A29 P6-PP					.31 .22	NO NO			
A 29L			P6-NN P4-T					.22 .22	NO NO			
A 29R			P6-MM P4-S					.22 .22	NO NO			
A 30	1		P6-G• P4-T•					.22 .22	NO NO			
A 31	1		P6-H• P4-C•					.22 .22	NO NO			

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32	1		P6-I• P4-B•					.22 .22	NO NO			
A 33	1		P6-J• P4-S•					.22 .22	NO NO			
A 34	1		P6-K• P4-L					.22 .22	NO NO			
A 35	1		P6-M• P4-M					.22 .22	NO NO			
A 36	1		P6-N• P4-D•					.22 .22	NO NO			
A 37	1		P3-B P1-A					.22 .22	NO NO			
A 38			DELETED									
A 38L			DELETED									
A 38R			DELETED									
A 39			E1-BB P5-B					.30 .22	NO NO			
A 40	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 40A	1		SHLD A40 E1-B					.31 .30	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE NONE | REV LTR D | SHEET 14 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 40L			P3-CC P2-G					.22 .22	NO NO			
A 40R			P3-DD P2-F					.22 .22	NO NO			
A 41	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 41A	1		SHLD A41 E1-B					.31 .30	NO NO			
A 41L			P3-BB P1-F					.22 .22	NO NO			
A 41R			P3-AA P1-E					.22 .22	NO NO			
A 42	3				3.00 2.25	3.25 2.00				B,6A A,7	4, 5 5	
A 42A	1		SHLD A42 E1-B					.31 .30	NO NO			
A 42L			P3-Z• P1-D					.22 .22	NO NO			
A 42R			P3-Y• P1-C					.22 .22	NO NO			
A 43	1		P3-C P2-A					.22 .22	NO NO			
A 44	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE NONE | REV LTR D | SHEET 15 OF 18

CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 44A	1		SHLD A44 P6-T					.31 .22	NO NO			
A 44L			P6-S P3-K					.22 .22	NO NO			
A 44R			P6-R P3-J					.22 .22	NO NO			
A 45	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 45A	1		SHLD A45 P6-W					.31 .22	NO NO			
A 45L			P6-V P4-J					.22 .22	NO NO			
A 45R			P6-U P4-K					.22 .22	NO NO			
A 46	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 46A	1		SHLD A46 P6-Z					.31 .22	NO NO			
A 46L			P6-Y P4-F					.22 .22	NO NO			
A 46R			P6-X P4-G					.22 .22	NO NO			
A 47	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE NONE | REV LTR D | SHEET 16 OF 18

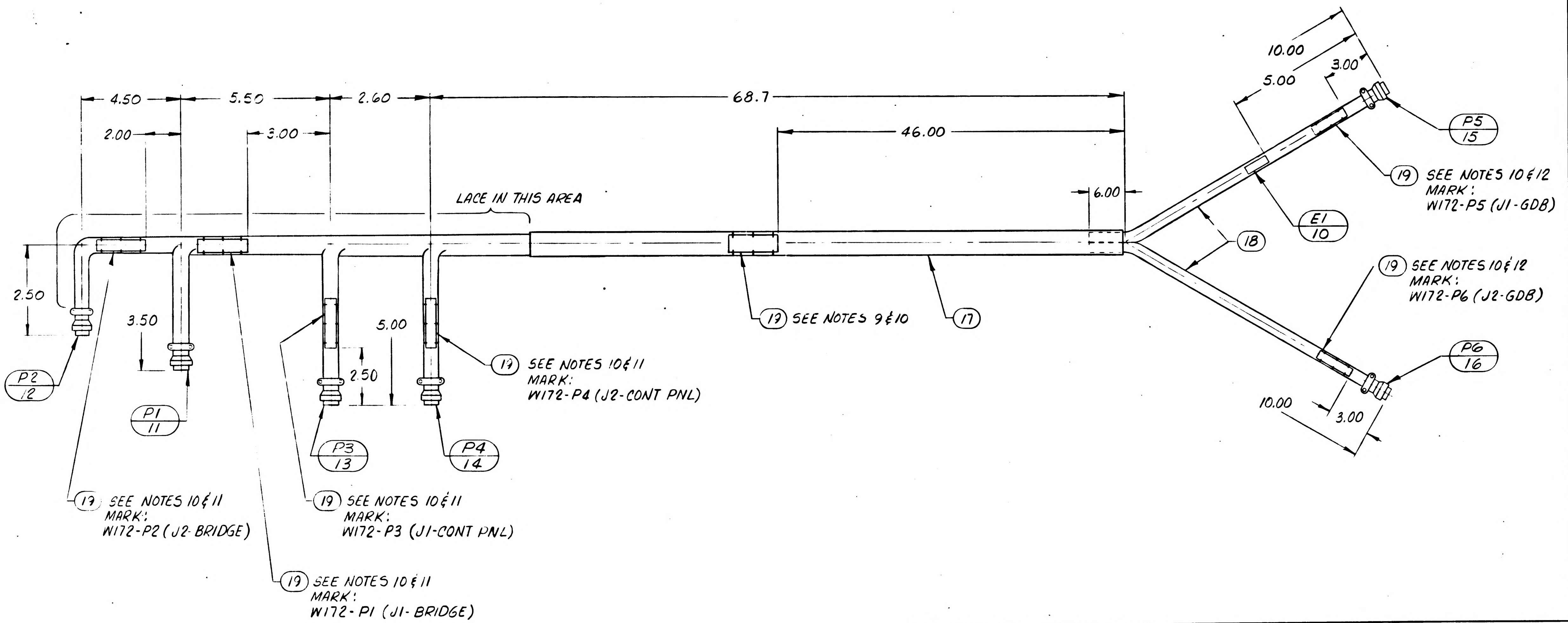
CABLE ASSEMBLY W172 2900834 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 47A	1		SHLD A47 P6-C•					.31 .22	NO NO			
A 47L			P6-B• P3-S					.22 .22	NO NO			
A 47R			P6-A• P3-T					.22 .22	NO NO			
A 48	3				3.25 2.25	3.00 2.00				B,7B A,7	4, 5 5	
A 48A	1		SHLD A48 P6-F•					.31 .22	NO NO			
A 48L			P6-E• P3-P					.22 .22	NO NO			
A 48R			P6-D• P3-R					.22 .22	NO NO			

SIZE A | CODE IDENT NO. 99974 | 2900834
SCALE NONE | REV LTR D | SHEET 17 OF 18

2900834 C

REVISIONS 23					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



4.50
5.50
2.60
68.7
2.00
3.00
46.00
6.00
LACE IN THIS AREA
2.50
3.50
5.00
2.50
P2 / 12
P1 / 11
P3 / 13
P4 / 14
(19) SEE NOTES 10 & 11 MARK: W172-P4 (J2-CONT PNL)
(19) SEE NOTES 9 & 10
(17)
(18)
E1 / 10
10.00
5.00
3.00
P5 / 15
(19) SEE NOTES 10 & 12 MARK: W172-P5 (J1-GDB)
(19) SEE NOTES 10 & 12 MARK: W172-P6 (J2-GDB)
P6 / 16
10.00
3.00
(19) SEE NOTES 10 & 11 MARK: W172-P2 (J2-BRIDGE)
(19) SEE NOTES 10 & 11 MARK: W172-P3 (J1-CONT PNL)
(19) SEE NOTES 10 & 11 MARK: W172-P1 (J1-BRIDGE)

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
±	±.50	±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION

DRAWN Doleki DATE 20 SEP 65
CHECKED C Pryda 23 SEP 65
APPROVAL J. Mertes 23 Sep 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CABLE ASSEMBLY, SPECIAL
PURPOSE, ELECTRICAL,
BRANCHED - W172

CODE IDENT NO 99974 SIZE D 2900834

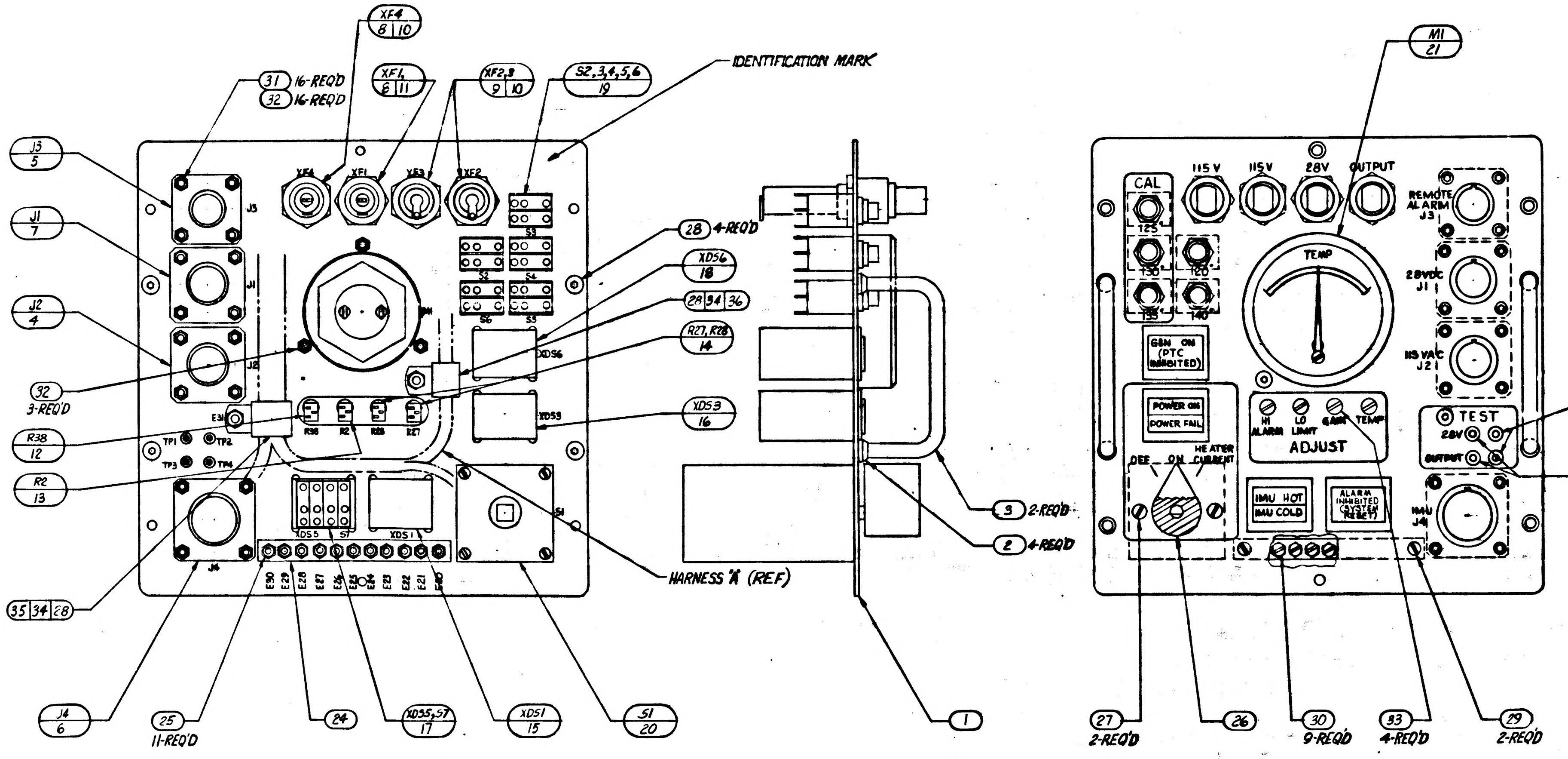
SCALE NONE SHEET 15 OF 18

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.C. 61100		9 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP CW



XF4 8 10
XF1 8 11
XF2,3 9 10
S2,3,4,5,6 19
IDENTIFICATION MARK
31 16-REQ'D
32 16-REQ'D
J3 5
J1 7
J2 4
32 3-REQ'D
R38 12
R2 13
35 34 28
28 4-REQ'D
XDS6 18
28 34 36
R27, R28 14
XDS3 16
HARNESS "A" (REF)
J4 6
25 11-REQ'D
24
XDS5, S7 17
XDS1 15
S1 20
XF4
XF1
XF3
XF2
S3
S2
S4
S6
S5
J3
J1
J2
J4
E31
TP1
TP2
TP3
TP4
R38
R2
R28
R27
XDS6
XDS3
XDS5
S7
XDS1
S1
E30
E29
E28
E27
E26
E25
E24
E23
E22
E21
E20
3 2-REQ'D
2 4-REQ'D
1
M1 21
CAL
125°
130°
135°
120°
140°
115 V
115 V
28V
OUTPUT
REMOTE ALARM J3
28VDC J1
115 VAC J2
IMU J4
TEMP
GSN ON (PTC INHIBITED)
POWER ON
POWER FAIL
OFF
ON
HEATER CURRENT
HI ALARM
LO LIMIT
GAIN
TEMP
ADJUST
TEST
28V
OUTPUT
IMU HOT
IMU COLD
ALARM INHIBITED (SYSTEM RESET)
TP1, TP3 23
TP2, TP4 22
27 2-REQ'D
26
30 9-REQ'D
33 4-REQ'D
29 2-REQ'D

					011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 4							38	1897370-002	SEALING PLUG
SEE NOTE 4							37	1897370-001	SEALING PLUG
					1		36	MS21919DG4 (1897073-104)	CLAMP, CUSHIONED
					1		35	MS21919DG8 (1897073-108)	CLAMP, CUSHIONED
SEE NOTE 2					2		34	1012525-006	NUT, SELF LOCKING
					4		33	2900797	NUT-CAP
SEE NOTE 2					19		32	1016151-004	NUT, SELF LOCKING
					16		31	1006783-19	SCREW-BUTTON HD. HEX. SOC.
					9		30	1010630-13	SCREW-FL. HD. 100° HEX. SOC.
					2		29	1010630-15	SCREW-FL. HD. 100° HEX. SOC.
					6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2					2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
					1		26	MS91528-2K2B (1897080-023)	KNOB
					11		25	SE20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/2
					1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2					2		23	1016166-004	JACK-TEST POINT
					2		22	1016166-006	JACK-TEST POINT
					1		21	1016080-514	AMMETER-MICROAMPERES
					1		20	1015825-036	SWITCH-ROTARY
					5		19	1021575	SWITCH-PUSH BUTTON
					1		18	1897337-101	LIGHT-INDICATOR
					1		17	1015869-748	LIGHT-INDICATOR
					1		16	1015869-735	LIGHT-INDICATOR
					1		15	1015869-789	LIGHT-INDICATOR
					2		14	1897260-013	RESISTOR, VARIABLE
					1		13	1897260-007	RESISTOR, VARIABLE
SEE NOTE 2					1		12	1897260-003	RESISTOR, VARIABLE
					1		11	F02A250V4AS (1897099-113)	FUSE-CARTRIDGE MIL-F-5372/02
					3		10	F02B125V3AS (1897099-130)	FUSE-CARTRIDGE MIL-F-5372/02
SEE NOTE 2					2		9	1015873-001	FUSE HOLDER
SEE NOTE 2					2		8	1015873-008	FUSE HOLDER
					1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT. ELECT.
					1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
					1		5	MS3127E-12-10P (1897119-100)	CONN. RECEPT. ELECT.
					1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2					2		3	1897301-001	HANDLE, BOW
SEE NOTE 2					4		2	1897304-001	SPACER, STEPPED-HANDLE
					1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900060-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN C. Kostek DATE 16 SEPT 65
CHECKED W. Diehl 4 OCT '65
APPROVAL Tuchobold 4 OCT '65
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

PANEL ASSEMBLY, PORTABLE TEMPERATURE CONTROLLER

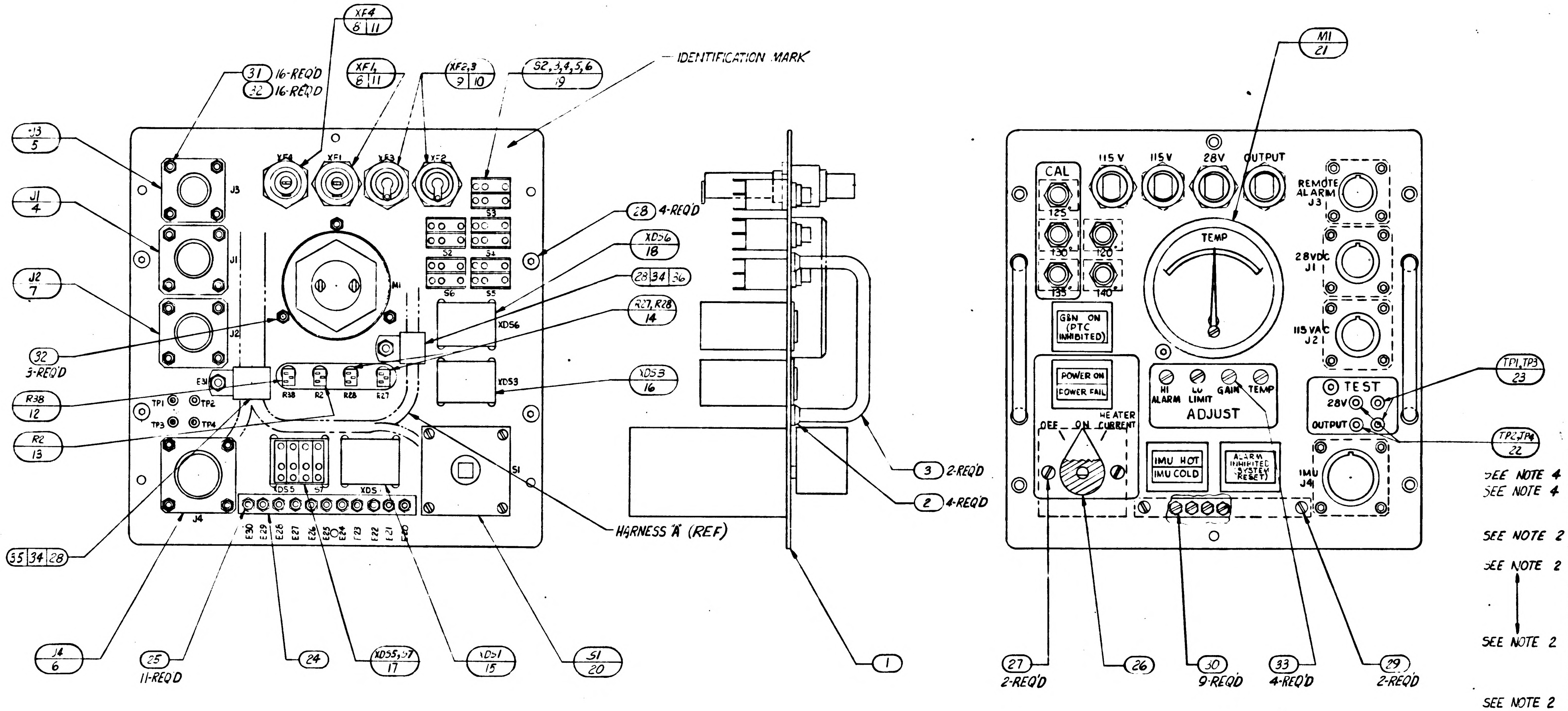
CODE IDENT NO. 99974
SIZE E
2900835
SCALE FULL
SHEET OF 1

2900835 B

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.O. 61100		13 OCT 6_	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP CW
C		REVISED PER TDRR 25406		31 JAN 66	OKD



XF4 6 11
XF1 6 11
XF2,3 9 10
S2,3,4,5,6 19
31 16-REQ'D
32 16-REQ'D
IDENTIFICATION MARK
J3 5
J1 4
J2 7
28 4-REQ'D
XDS6 18
28 34 36
R27,R28 14
32 5-REQ'D
R38 12
R2 13
XDS3 16
3 2-REQ'D
2 4-REQ'D
HARNESS "A" (REF)
35 34 28
J4 6
25 11-REQ'D
24
XDS5,S7 17
XDS1 15
S1 20
1
XF4 XF1 XF3 XF2
J3 J1 J2 J4 M1
S3 S2 S4 S6 S5
XDS6 XDS3 XDS5 XDS1 S7
E31 TP1 TP2 TP3 TP4
R38 R2 R28 R27
E30 E29 E28 E27 E26 E25 E24 E23 E22 E21 E20
M1 21
CAL 125 130 135 120 140
115 V 115 V 28V OUTPUT
TEMP
REMOTE ALARM J3
28VDC J1
115VAC J2
GSN ON (PTC INHIBITED)
POWER ON
POWER FAIL
OFF ON HEATER CURRENT
HI ALARM LO LIMIT GAIN TEMP
ADJUST
IMU HOT IMU COLD
ALARM INHIBITED SYSTEM RESET
TEST 28V OUTPUT
IMU J4
TP1,TP3 23
TP2,TP4 22
27 2-REQ'D
26
30 9-REQ'D
33 4-REQ'D
29 2-REQ'D

SEE NOTE 4						38	1897370-002	SEALING PLUG
SEE NOTE 4						37	1897370-001	SEALING PLUG
				1		36	MS21919DG4 (1897573-34)	CLAMP, CUSHIONED
				1		35	MS21919DG8 (1897073-105)	CLAMP, CUSHIONED
SEE NOTE 2				2		34	1012525-006	NUT, SELF LOCKING
				4		33	2900797	NUT-CAP
SEE NOTE 2				19		32	1016151-004	NUT, SELF LOCKING
				16		31	1006783-19	SCREW-BUTTON HD. HEX. SOC.
				9		30	1010630-13	SCREW-FL. HD. 100° HEX. SOC.
				2		29	1010630-15	SCREW-FL. HD. 100° HEX. SOC.
				6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2				2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
				1		26	MS91528-2K2B (1897080-023)	KNOB
				11		25	SE 20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/20
				1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2				2		23	1016166-004	JACK-TEST POINT
				2		22	1016166-006	JACK-TEST POINT
				1		21	1016080-514	AMMETER-MICROAMPERES
				1		20	1015825-036	SWITCH-ROTARY
				5		19	1021575	SWITCH-PUSH BUTTON
				1		18	1897337-101	LIGHT-INDICATOR
				1		17	1015869-748	LIGHT-INDICATOR
				1		16	1015869-785	LIGHT-INDICATOR
				1		15	1015869-783	LIGHT-INDICATOR
				2		14	1897260-013	RESISTOR, VARIABLE
				1		13	1897260-007	RESISTOR, VARIABLE
SEE NOTE 2				1		12	1897260-003	RESISTOR, VARIABLE
				2		11	F02A250V4AS (1897099-113)	FUSE-CARTRIDGE MIL-F-15160/02
				2		10	F02B125V3AS (1897099-130)	FUSE-CARTRIDGE MIL-F-15160/02
SEE NOTE 2				2		9	1015873-001	FUSE HOLDER
SEE NOTE 2				2		8	1015873-008	FUSE HOLDER
				1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT ELECT.
				1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
				1		5	MS3127E-12-10P (1897119-100)	CONN. RECEPT. ELECT.
				1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2				2		3	1897301-001	HANDLE, BOW
SEE NOTE 2				4		2	1897304-001	SPACER, STEPPED-HANDLE
				1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT.
				011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN J. Krotek DATE 16 SEPT 65
CHECKED W. Trost 4 OCT 65
APPROVAL 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

PANEL ASSEMBLY,
PORTABLE TEMPERATURE CONTROLLER

CODE IDENT NO. 99774
SIZE E
2900835
SCALE FULL
SHEET 1 OF 1

2900835 C

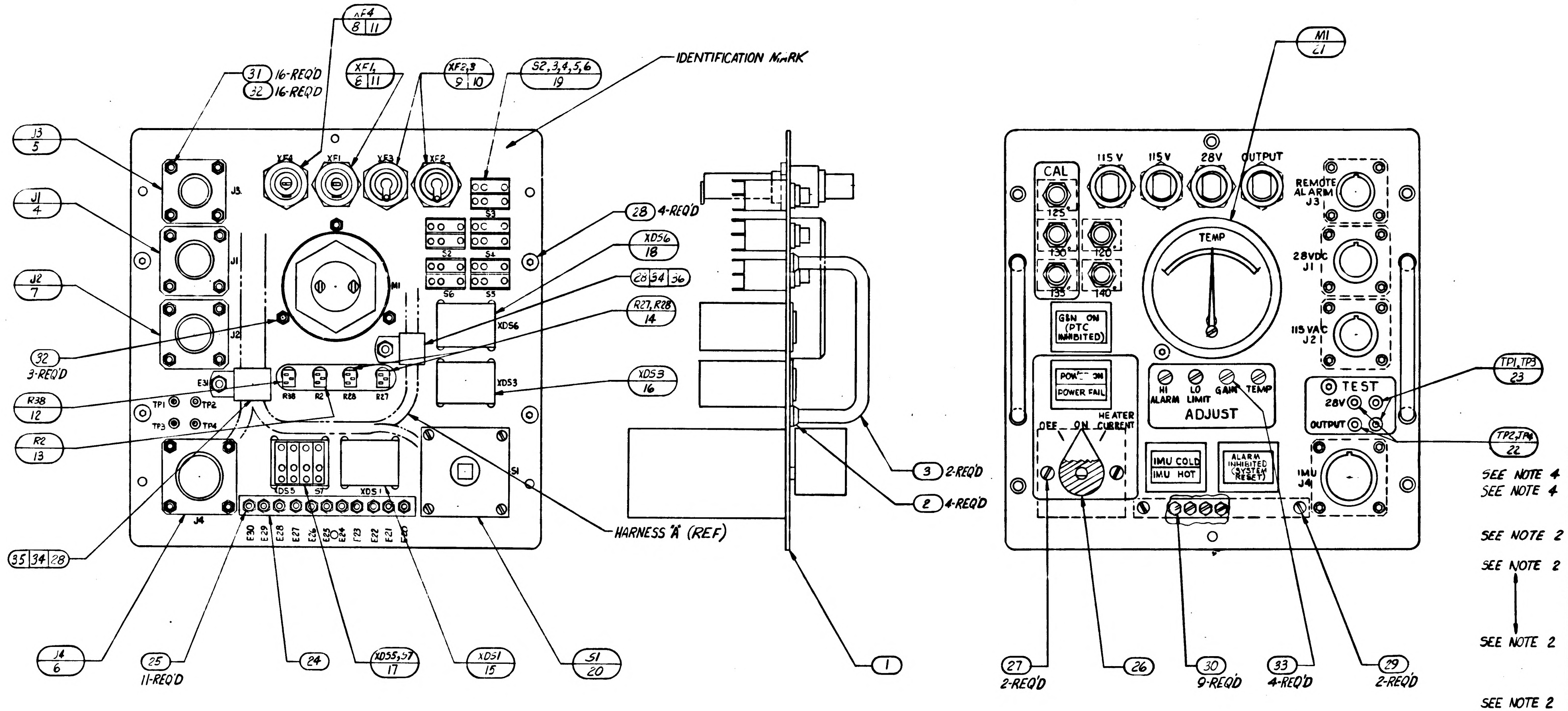
4 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.O. 61100		3 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP
C		REVISED PER TDRR 25406		31 JAN 66	DKD
D		REVISED PER TDRR 25726		9 FEB 66	PH


XF4 8 11
XF1 8 11
XF2,3 9 10
S2,3,4,5,6 19
IDENTIFICATION MARK
31 16-REQ'D
32 16-REQ'D
J3 5
J1 4
J2 7
32 3-REQ'D
R38 12
R2 13
35 34 28
28 4-REQ'D
XDS6 18
28 34 36
R27,R28 14
XDS3 16
HARNESS "A" (REF)
J4 6
25 11-REQ'D
24
XDS5,S7 17
XDS1 15
S1 20
XF4
XF1
XF3
XF2
J3
J1
J2
J4
M1
S2
S3
S4
S5
S6
S7
S1
XDS6
XDS3
XDS5
XDS1
E31
R38
R2
R28
R27
TP1
TP2
TP3
TP4
E30
E29
E28
E27
E26
E25
E24
E23
E22
E21
E20
3 2-REQ'D
2 4-REQ'D
1
M1 21
CAL
125°
130°
135°
120°
140°
115 V
115 V
28V
OUTPUT
TEMP
REMOTE ALARM J3
28VDC J1
115 VAC J2
IMU J4
GSN ON (PTC INHIBITED)
POWER ON
POWER FAIL
OFF
ON
HEATER CURRENT
HI ALARM
LO LIMIT
GAIN
TEMP
ADJUST
TEST
28V
OUTPUT
IMU COLD
IMU HOT
ALARM INHIBITED (SYSTEM RESET)
TP1,TP3 23
TP2,TP4 22
27 2-REQ'D
26
30 9-REQ'D
33 4-REQ'D
29 2-REQ'D

					011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 4							38	1897370-002	SEALING PLUG
SEE NOTE 4							37	1897370-001	SEALING PLUG
					1		36	MS21919DG4 (1897073-104)	CLAMP, CUSHIONED
					1		35	MS21919DG8 (1897073-108)	CLAMP, CUSHIONED
SEE NOTE 2					2		34	1012525-006	NUT, SELF LOCKING
					4		33	2900797	NUT-CAP
SEE NOTE 2					19		32	1016151-004	NUT, SELF LOCKING
					16		31	1006783-19	SCREW-BUTTON HD. HEX. SOC.
					9		30	1010630-13	SCREW-FL. HD. 100° HEX. SOC.
					2		29	1010630-15	SCREW-FL. HD 100° HEX. SOC.
					6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2					2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
					1		26	MS91528-2K2B (1897080-023)	KNOB
					11		25	SE20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/20
					1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2					2		23	1016166-004	JACK-TEST POINT
					2		22	1016166-006	JACK-TEST POINT
					1		21	1016080-514	AMMETER-MICROAMPERES
					1		20	1015825-036	SWITCH-ROTARY
					5		19	1021575	SWITCH-PUSH BUTTON
					1		18	1897337-101	LIGHT-INDICATOR
					1		17	1015869-748	LIGHT-INDICATOR
					1		16	1015869-785	LIGHT-INDICATOR
					1		15	1015869-783	LIGHT-INDICATOR
					2		14	1897260-013	RESISTOR, VARIABLE
					1		13	1897260-007	RESISTOR, VARIABLE
SEE NOTE 2					1		12	1897260-003	RESISTOR, VARIABLE
					2		11	F02A250V4AS (1897099-113)	FUSE-CARTRIDGE MIL-F-5360/02
					2		10	F02B125V2AS (1897099-29)	FUSE-CARTRIDGE MIL-F-5360/02
SEE NOTE 2					2		9	1015873-001	FUSE HOLDER
SEE NOTE 2					2		8	1015873-008	FUSE HOLDER
					1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT. ELECT.
					1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
					1		5	MS3127E-12-10P (1897119-100)	CONN. RECEPT. ELECT.
					1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2					2		3	1897301-001	HANDLE, BOW
SEE NOTE 2					4		2	1897304-001	SPACER, STEPPED-HANDLE
					1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT.

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900060-011	2900830-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE, WIS.
DRAWN C. Kostek DATE 16 SEPT 65
CHECKED W. Diehl 4 OCT. '65
APPROVAL Pickard 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

PANEL ASSEMBLY,
PORTABLE TEMPERATURE CONTROLLER

CODE IDENT NO. 99974
SIZE E
2900835
SCALE FULL
SHEET OF

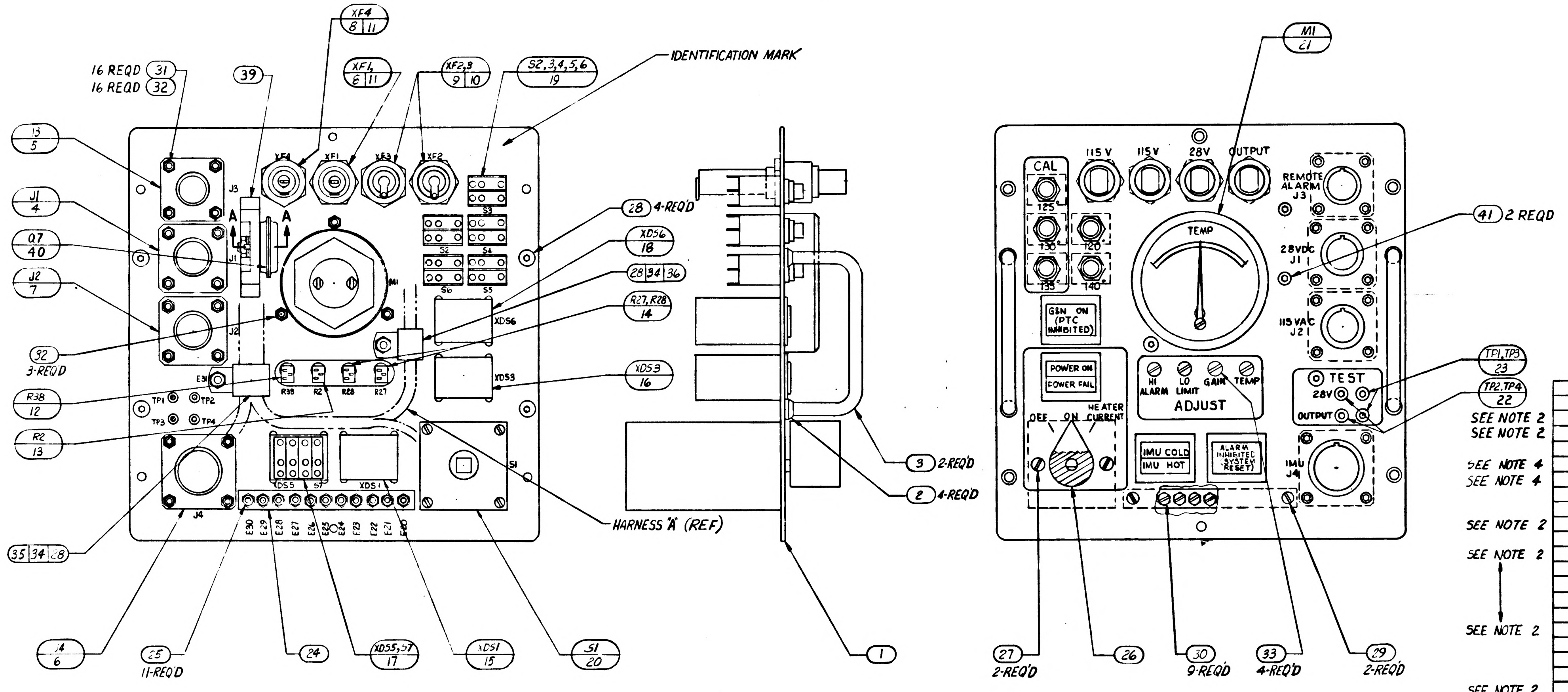
Checked stores 4 Oct 65

NOTES:

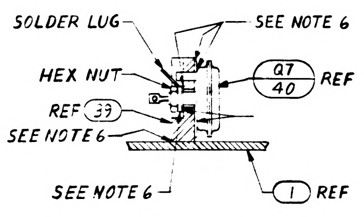
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.
5. APPLY SEALING COMPOUND, ITEM (42), TO THE THREAD OF SCREW, ITEM (41), UPON INSTALLATION OF HEATSINK, ITEM (39).
6. MATING SURFACES OF ITEMS (39), (40) AND (1) TO BE COATED WITH ITEM (43). REMOVE EXCESS GREASE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.O. 61100		3 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP
C		REVISED PER TDRR 25406		31 JAN 66	OKD
D		REVISED PER TDRR 25726		9 FEB 66	PH
E		REVISED PER TDRR 26971		16 MAR 66	



16 REQD (31)
16 REQD (32)
(39)
XF4 8 11
XF1 6 11
XF2,3 9 10
S2,3,4,5,6 19
IDENTIFICATION MARK
J3 5
J1 4
Q7 40
J2 7
32 3-REQ'D
R38 12
R2 13
28 4-REQ'D
XDS6 18
28 34 36
R27, R28 14
XDS3 16
J4 6
25 11-REQ'D
24
XDS5, S7 17
XDS1 15
S1 20
35 34 28
HARNESS 'A' (REF.)
3 2-REQ'D
2 4-REQ'D
1
A
A
J3
J1
J2
J4
E30
R38
R2
R28
R27
TP1
TP2
TP3
TP4
S3
S2
S4
S6
S5
XDS6
XDS3
XDS5
S7
XDS1
S1
E30
E29
E28
E27
E26
E25
E24
F23
F22
E21
E20
M1 21
CAL
125
130
135
120
140
115 V
115 V
28V
OUTPUT
TEMP
REMOTE ALARM J3
28 VDC J1
115 VAC J2
GEN ON (PTC INHIBITED)
POWER ON
POWER FAIL
HEATER CURRENT
OFF ON
HI ALARM
LO LIMIT
GAIN
TEMP
ADJUST
IMU COLD
IMU HOT
ALARM INHIBITED (SYSTEM RESET)
TEST
28V
OUTPUT
IMU J4
41 2 REQD
TP1,TP3 23
TP2,TP4 22
27 2-REQ'D
26
30 9-REQ'D
33 4-REQ'D
29 2-REQ'D



SOLDER LUG
SEE NOTE 6
HEX NUT
Q7 40 REF
REF 39
SEE NOTE 6
SEE NOTE 6
1 REF

PARTIAL SECTION A-A

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	AR		43	MIL-I-8660	SILICONE GREASE (ES2311)
	AR		42	MIL-S-22473, GRADE C	SEALING COMPOUND (ES2544-3)
SEE NOTE 2	2		41	1010630-26	SCREW-FH 100° HEX SOC
SEE NOTE 2	1		40	1897309-001	TRANSISTOR
	1		39	2901165	HEATSINK
SEE NOTE 4			38	1897370-002	SEALING PLUG
SEE NOTE 4			37	1897370-001	SEALING PLUG
	1		36	MS21919DG4 (1897073-104)	CLAMP, CUSHIONED
	1		35	MS21919DG8 (1897073-100)	CLAMP, CUSHIONED
SEE NOTE 2	2		34	1012525-006	NUT, SELF LOCKING
	4		33	2900797	NUT-CAP
SEE NOTE 2	19		32	1016151-004	NUT, SELF LOCKING
	16		31	1006783-19	SCREW-BUTTON HD. HEX. SOC.
	9		30	1010630-13	SCREW-FL. HD. 100° HEX. SOC.
	2		29	1010630-15	SCREW-FL. HD 100° HEX. SOC.
	6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2	2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
	1		26	MS91528-2K2B (1897080-023)	KNOB
	11		25	SE 20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/2
	1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2	2		23	1016166-004	JACK-TEST POINT
	2		22	1016166-006	JACK-TEST POINT
	1		21	1016080-514	AMMETER-MICROAMPERES
	1		20	1015825-036	SWITCH-ROTARY
	5		19	1021575	SWITCH-PUSH BUTTON
	1		18	1897337-101	LIGHT-INDICATOR
	1		17	1015869-748	LIGHT-INDICATOR
	1		16	1015869-785	LIGHT-INDICATOR
	1		15	1015869-783	LIGHT-INDICATOR
	2		14	1897260-013	RESISTOR, VARIABLE
	1		13	1897260-007	RESISTOR, VARIABLE
SEE NOTE 2	1		12	1897260-003	RESISTOR, VARIABLE
	2		11	F02A250V4AS (1897099-113)	FUSE-CARTRIDGE MIL-F-[illegible]/02
	2		10	F02B125V2AS (1897099-29)	FUSE-CARTRIDGE MIL-F-[illegible]/02
SEE NOTE 2	2		9	1015873-001	FUSE-HOLDER
SEE NOTE 2	2		8	1015873-008	FUSE HOLDER
	1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT. ELECT.
	1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
	1		5	MS3127E-12-10P (1897119-30)	CONN. RECEPT. ELECT.
	1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2	2		3	1897301-001	HANDLE, BOW
SEE NOTE 2	4		2	1897304-001	SPACER, STEPPED-HANDLE
	1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900669-011	2900[illegible]-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN C. Kostek DATE 16 SEPT 65
CHECKED J. [illegible] 4 OCT '65
APPROVAL [illegible] 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

PANEL ASSEMBLY,
PORTABLE TEMPERATURE CONTROLLER

CODE IDENT NO. 99974
SIZE E
2900835
SCALE FULL
SHEET [illegible]

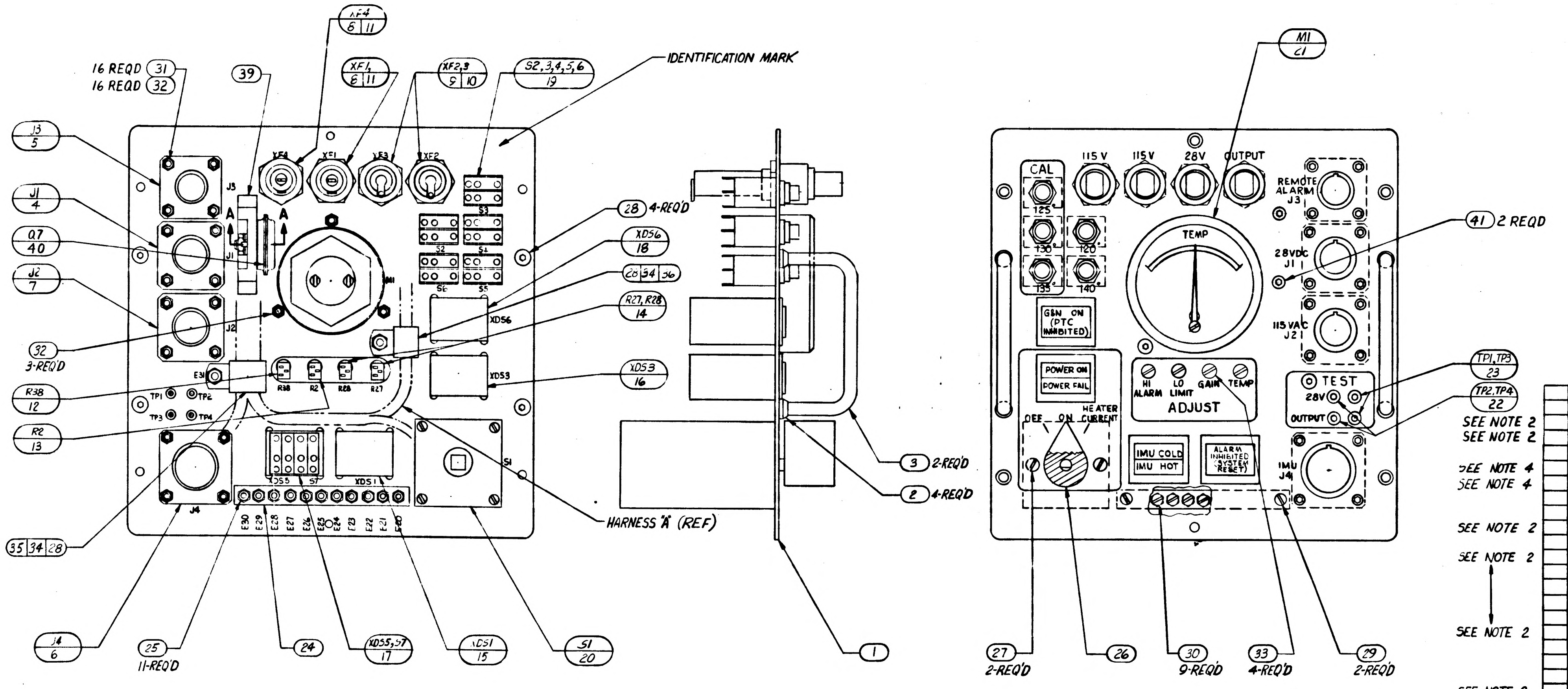
[illegible] 4 OCT 65

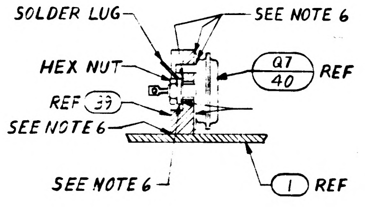
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.
5. APPLY SEALING COMPOUND, ITEM (42), TO THE THREAD OF SCREW, ITEM (41), UPON INSTALLATION OF HEATSINK, ITEM (39).
6. MATING SURFACES OF ITEMS (39), (40) AND (1) TO BE COATED WITH ITEM (43). REMOVE EXCESS GREASE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.O. 61100		OCT. 65	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP CW
C		REVISED PER TDRR 25406		31 JAN 66	OKD
D		REVISED PER TDRR 25726		9 FEB 66	PH
E		REVISED PER TDRR 26971		6 MAR 66	LK
F		REVISED PER TDRR 27557		6 APR 66	B.


XF4
6 11
XF1
6 11
XF2,3
9 10
S2,3,4,5,6
19
39
16 REQD 31
16 REQD 32
IDENTIFICATION MARK
J3
5
J1
4
Q1
40
J2
7
32
3-REQD
R38
12
R2
13
35 34 28
J4
6
25
11-REQD
24
XDS5,S7
17
XDS1
15
S1
20
28 4-REQ'D
XDS6
18
26 34 36
R27, R28
14
XDS3
16
XF4
XF1
XF3
XF2
J5
J1
J2
J4
S2
S3
S4
S5
S6
S7
M1
XDS6
XDS3
XDS5
XDS1
E31
R38
R2
R28
R27
TP1
TP2
TP3
TP4
E30
E29
E28
E27
E26
E25
E24
E23
E22
E21
E20
A
HARNESS "A" (REF)
3 2-REQ'D
2 4-REQ'D
1
M1
21
CAL
125
130
135
120
140
115 V
115 V
28V
OUTPUT
TEMP
REMOTE ALARM J3
28VDC J1
115VAC J21
IMU J4
G&N ON (PTC INHIBITED)
POWER ON
POWER FAIL
OFF
ON
HEATER CURRENT
HI ALARM
LO LIMIT
GAIN
TEMP
ADJUST
IMU COLD
IMU HOT
ALARM INHIBITED (SYSTEM RESET)
TEST
28V
OUTPUT
41 2 REQD
TP1,TP3
23
TP2,TP4
22
27
2-REQ'D
26
30
9-REQD
33
4-REQ'D
29
2-REQ'D


SOLDER LUG
SEE NOTE 6
HEX NUT
Q1
40
REF
REF 37
SEE NOTE 6
SEE NOTE 6
1 REF

PARTIAL SECTION A-A

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				AR		43	MIL-I-8660	SILICONE GREASE (ES2311)
				AR		42	MIL-S-22473, GRADE C	SEALING COMPOUND (ES2544-3)
SEE NOTE 2				2		41	1010630-26	SCREW-FH 100° HEX SOC
SEE NOTE 2				1		40	1897309-001	TRANSISTOR
				1		39	2901165	HEATSINK
SEE NOTE 4						38	1897370-002	SEALING PLUG
SEE NOTE 4						37	1897370-001	SEALING PLUG
				1		36	MS21919DG5 (1897073-105)	CLAMP, CUSHIONED
				1		35	MS21919DG9 (1897073-109)	CLAMP, CUSHIONED
SEE NOTE 2				2		34	1012525-006	NUT, SELF LOCKING
				4		33	2900797	NUT-CAP
SEE NOTE 2				19		32	1016151-004	NUT, SELF LOCKING
				16		31	1006783-19	SCREW-BUTTON HD. HEX SOC.
				9		30	1010630-13	SCREW-FL. HD. 100° HEX. SOC.
				2		29	1010630-15	SCREW-FL. HD. 100° HEX. SOC.
				6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2				2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
				1		26	MS91528-2K2B (1897080-023)	KNOB
				11		25	SE 20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/20
				1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2				2		23	1016166-004	JACK-TEST POINT
				2		22	1016166-006	JACK-TEST POINT
				1		21	1016080-514	AMMETER-MICROAMPERES
				1		20	1015825-036	SWITCH-ROTARY
				5		19	1021575	SWITCH-PUSH BUTTON
				1		18	1897337-101	LIGHT-INDICATOR
				1		17	1015869-748	LIGHT-INDICATOR
				1		16	1015869-785	LIGHT-INDICATOR
				1		15	1015869-783	LIGHT-INDICATOR
				2		14	1897260-013	RESISTOR, VARIABLE
SEE NOTE 2				1		13	1897260-007	RESISTOR, VARIABLE
				1		12	1897260-003	RESISTOR, VARIABLE
				2		11	F02A250V4AS (1897099-13)	FUSE-CARTRIDGE MIL-F-5160/02
				2		10	F02B125V2AS (1897099-29)	FUSE-CARTRIDGE MIL-F-5160/02
SEE NOTE 2				2		9	1015873-001	FUSE-HOLDER
SEE NOTE 2				2		8	1015873-008	FUSE HOLDER
				1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT. ELECT.
				1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
				1		5	MS3127E-12-10P (1897119-100)	CONN. RECEPT. ELECT.
				1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2				2		3	1897301-001	HANDLE, BOW
SEE NOTE 2				4		2	1897304-001	SPACER, STEPPED-HANDLE
				1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT.

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900069-011	2900[illegible]-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN C. Koster DATE 16 SEPT 65
CHECKED W. Diehl 4 OCT '65
APPROVAL [illegible] 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

PANEL ASSEMBLY
PORTABLE TEMPERATURE CONTROLLER

CODE IDENT NO. 99974
SIZE E
2900835
SCALE FULL
SHEET F

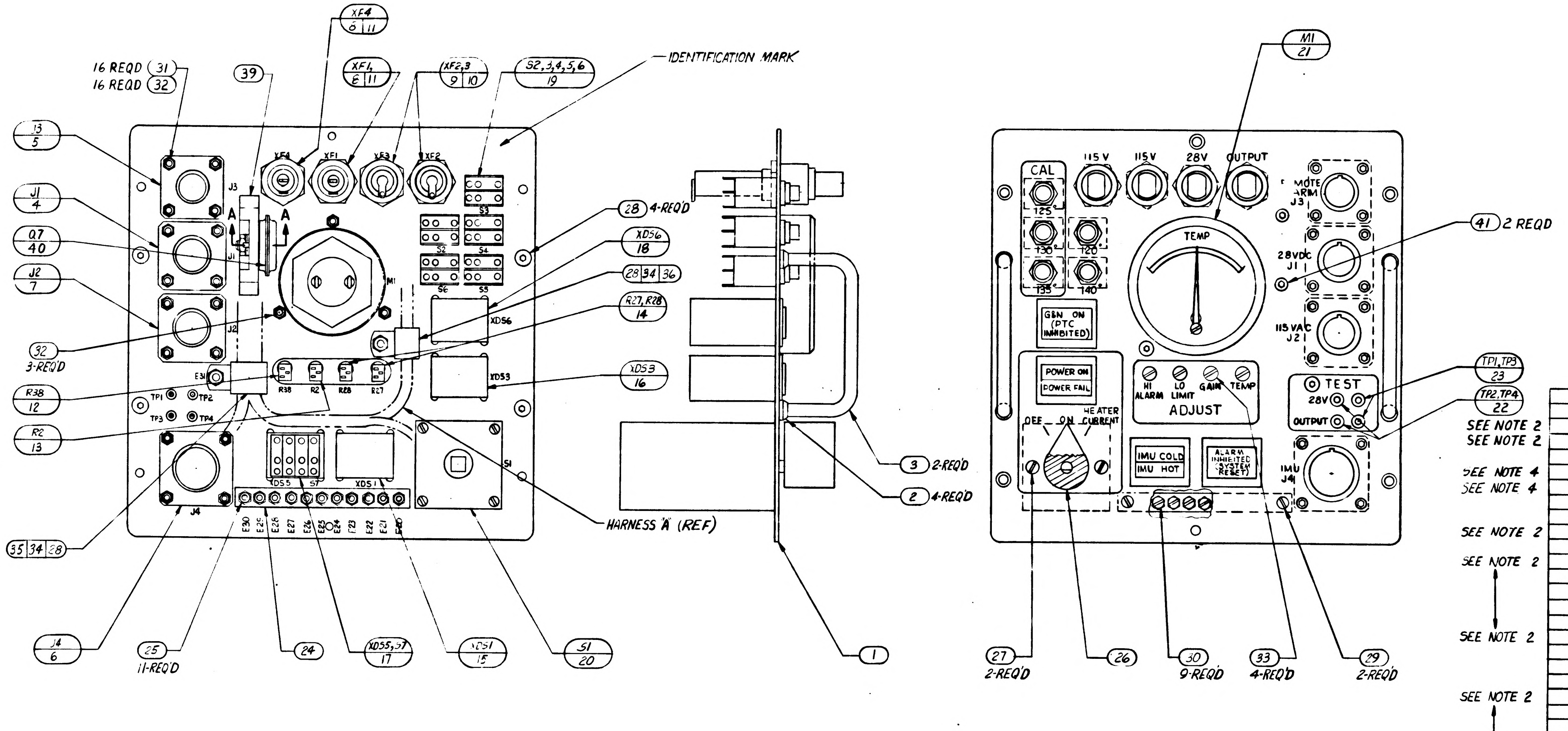
[illegible] 4 OCT 65

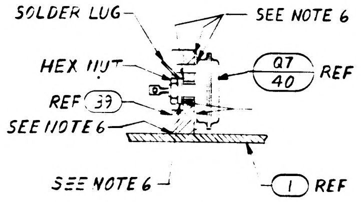
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASS'Y" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
4. ASSEMBLE SEALING PLUGS ITEMS (37) AND (38) AND CONTACTS INTO SPARE CONNECTOR INSERT HOLES.
5. APPLY SEALING COMPOUND, ITEM (42), TO THE THREAD OF SCREW ITEM (41), UPON INSTALLATION OF HEATSINK, ITEM (39).
6. MATING SURFACES OF ITEMS (39), (40) AND (1) TO BE COATED WITH ITEM (43). REMOVE EXCESS GREASE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		REVISED PER D.O. 61100		65	
B		INITIAL RELEASE CLASS A PER TDRR 24042		20 OCT 65	RTP
C		REVISED PER TDRR 25406		31 JAN 66	OKD
D		REVISED PER TDRR 25726		9 FEB 66	PH
E		REVISED PER TDRR 26971			
F		REVISED PER TDRR 27557		65	B
G		REVISED PER TDRR 29237		66	B


16 REQD (31)
16 REQD (32)
(39)
XF4 / 9 11
XF1 / E 11
XF2,3 / 9 10
S2,3,4,5,6 / 19
IDENTIFICATION MARK
J3 / 5
J1 / 4
Q7 / 40
J2 / 7
(32) 3-REQD
R38 / 12
R2 / 13
(35)(34)(28)
J4 / 6
(25) 11-REQ'D
(24)
XDS5,7 / 17
XDS1 / 15
S1 / 20
(28) 4-REQD
XDS6 / 18
(28)(34)(36)
R27,R28 / 14
XDS3 / 16
HARNESS 'A' (REF)
(3) 2-REQD
(2) 4-REQD
(1)
XF4 XF1 XF3 XF2
A A
J3 J1 J2 J4
M1
S3 S2 S4 S6 S5
XDS6 XDS3
R38 R2 R28 R27
E3 TP1 TP2 TP3 TP4
XDS5 S7 XDS1 S1
E30 E29 E28 E27 E26 E25 E24 E23 E22 E21 E20
M1 / 21
(41) 2 REQD
TP1,TP3 / 23
TP2,TP4 / 22
(27) 2-REQ'D
(26)
(30) 9-REQ'D
(33) 4-REQ'D
(29) 2-REQ'D
CAL
125 130 135 120 140
115 V 115 V 28V OUTPUT
TEMP
REMOTE ALARM J3
28VDC J1
115VAC J2
G&N ON (PTC INHIBITED)
POWER ON
POWER FAIL
OFF ON HEATER CURRENT
HI ALARM LO LIMIT GAIN TEMP
ADJUST
IMU COLD IMU HOT
ALARM INHIBITED (SYSTEM RESET)
TEST 28V OUTPUT
IMU J4


SOLDER LUG
SEE NOTE 6
HEX NUT
Q7 / 40 REF
REF (39)
SEE NOTE 6
SEE NOTE 6
(1) REF

PARTIAL SECTION A-A

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				AR		43	MIL-I-8660	SILICONE GREASE (ES2311)
				AR		42	MIL-S-22473, GRADE C	SEALING COMPOUND (ES2544-3)
SEE NOTE 2				2		41	1010630-26	SCREW-FH 100° HEX SOC
SEE NOTE 2				1		40	1897309-001	TRANSISTOR
				1		39	2901165	HEATSINK
SEE NOTE 4						38	1897370-002	SEALING PLUG
SEE NOTE 4						37	1897370-001	SEALING PLUG
				1		36	MS21919DG5 (1897073-105)	CLAMP, CUSHIONED
				1		35	MS21919DG9 (1897073-109)	CLAMP, CUSHIONED
SEE NOTE 2				2		34	1012525-006	NUT, SELF LOCKING
				4		33	2900797	NUT-CAP
SEE NOTE 2				19		32	1016151-004	NUT, SELF LOCKING
				16		31	1006783-19	SCREW-BUTTON HD. HEX. SOC.
				9		30	1010630-12	SCREW-FL. HD. 100° HEX. SOC.
				2		29	1010630-14	SCREW-FL. HD. 100° HEX. SOC.
				6		28	1010630-39	SCREW-FL. HD. 100° HEX. SOC.
SEE NOTE 2				2		27	1010630-24	SCREW-FL. HD. 100° HEX. SOC.
				1		26	MS91528-2K2B (1897080-023)	KNOB
				11		25	SE20XD02 (1896962-004)	TERMINAL, STUD MIL-T-55155/20
				1		24	2900794	BAR-MTG. TERMINAL
SEE NOTE 2				2		23	1016166-004	JACK-TEST POINT
				2		22	1016166-006	JACK-TEST POINT
				1		21	1016080-514	AMMETER-MICROAMPERES
				1		20	1015825-036	SWITCH-ROTARY
				5		19	1021575	SWITCH-PUSH BUTTON
				1		18	1897337-101	LIGHT-INDICATOR
				1		17	1015869-748	LIGHT-INDICATOR
				1		16	1015869-785	LIGHT-INDICATOR
				1		15	1015869-783	LIGHT-INDICATOR
				2		14	1897260-013	RESISTOR, VARIABLE
				1		13	1897260-007	RESISTOR, VARIABLE
SEE NOTE 2				1		12	1897260-003	RESISTOR, VARIABLE
				2		11	F02A250V4AS (1897099-113)	FUSE-CARTRIDGE MIL-F-5160/02
				2		10	F02B125V2AS (1897099-29)	FUSE-CARTRIDGE MIL-F-5160/02
SEE NOTE 2				2		9	1015873-001	FUSE HOLDER
SEE NOTE 2				2		8	1015873-008	FUSE HOLDER
				1		7	MS3127E-14-12PW (1897115-121)	CONN. RECEPT. ELECT.
				1		6	MS3127E-18-32S (1897122-320)	CONN. RECEPT. ELECT.
				1		5	MS3127E-12-10P (1897119-100)	CONN. RECEPT. ELECT.
				1		4	MS3127E-14-12P (1897115-120)	CONN. RECEPT. ELECT.
SEE NOTE 2				2		3	1897301-001	HANDLE, BOW
SEE NOTE 2				4		2	1897304-001	SPACER, STEPPED-HANDLE
				1		1	2900501	PANEL, PORTABLE TEMPERATURE CONT.

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900260-011	2901[illegible]-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE, WIS.
DRAWN [illegible] DATE 16 SEPT 65
CHECKED [illegible] 4 OCT '65
APPROVAL [illegible] 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

PANEL ASSEMBLY,
PORTABLE TEMPERATURE CONTROLLER

CODE IDENT NO 99974
SIZE E
2900835
SCALE FULL
SHEET OF

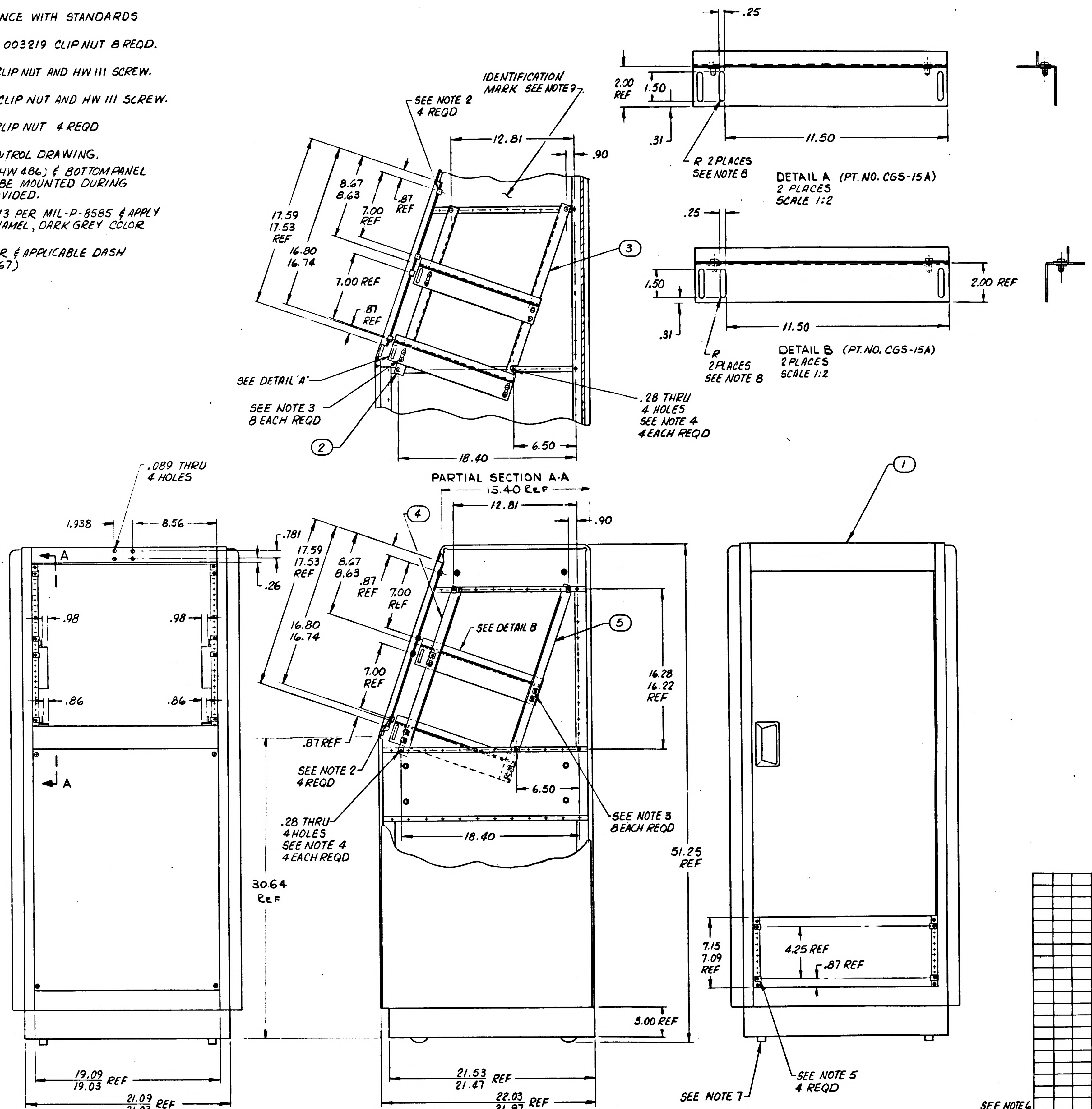
[illegible] 4 OCT 65

2900835

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		INITIAL RELEASE CLASS A PER TDRR Z 718			

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70237.
2. VENDOR PART NUMBER AHWX-092-003219 CLIP NUT 8 REQD. LOCATE AT HOLES INDICATED.
3. VENDOR PART NUMBERS HW 210 CLIP NUT AND HW 111 SCREW. 16 EACH REQD.
4. VENDOR PART NUMBERS HW 201 CLIP NUT AND HW 111 SCREW. 8 EACH REQD.
5. VENDOR PART NUMBER HW 210 CLIP NUT 4 REQD
6. VENDOR ITEM - SEE SOURCE CONTROL DRAWING.
7. CASTERS (VENDOR PART NUMBER HW 486) & BOTTOM PANEL (VENDOR PART NUMBER PN17) TO BE MOUNTED DURING ASSEMBLY USING HARDWARE PROVIDED.
8. TOUCH UP SLOTS WITH PRIMER P513 PER MIL-P-8585 & APPLY 2 COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY COLOR 26231 FED-STD-595.
9. IDENTIFY USING DRAWING NUMBER & APPLICABLE DASH NUMBER PER MIL-STD 130 (ES267)


IDENTIFICATION MARK SEE NOTE 9
SEE NOTE 2
4 REQD
12.81
.90
17.59
17.53
REF
8.67
8.63
.87
REF
7.00
REF
16.80
16.74
7.00 REF
.87
REF
3
SEE DETAIL 'A'
SEE NOTE 3
8 EACH REQD
2
.28 THRU
4 HOLES
SEE NOTE 4
4 EACH REQD
6.50
18.40
.25
2.00
REF
1.50
.31
11.50
R 2 PLACES
SEE NOTE 8
DETAIL A (PT. NO. CGS-15A)
2 PLACES
SCALE 1:2
.25
1.50
2.00 REF
.31
11.50
R
2 PLACES
SEE NOTE 8
DETAIL B (PT. NO. CGS-15A)
2 PLACES
SCALE 1:2
.089 THRU
4 HOLES
1.938
8.56
A
.98
.98
.86
.86
A
19.09
19.03
REF
21.09
21.03
REF
PARTIAL SECTION A-A
15.40 REF
12.81
.90
.781
.26
17.59
17.53
REF
8.67
8.63
.87
REF
7.00
REF
4
16.80
16.74
SEE DETAIL B
5
7.00
REF
16.28
16.22
REF
.87 REF
SEE NOTE 2
4 REQD
6.50
SEE NOTE 3
8 EACH REQD
.28 THRU
4 HOLES
SEE NOTE 4
4 EACH REQD
18.40
30.64
REF
51.25
REF
3.00 REF
21.53
21.47
REF
22.03
21.97
REF
1
7.15
7.09
REF
4.25 REF
.87 REF
SEE NOTE 5
4 REQD
SEE NOTE 7

SEE NOTE 6

QUANTITY REQUIRED								
			1		5	2900871	GUIDE SUPPORT - BACK, RIGHT SIDE
			1		4	2900870	GUIDE SUPPORT - FRONT, RIGHT SIDE
			1		3	2900869	GUIDE SUPPORT - BACK, LEFT SIDE
			1		2	2900868	GUIDE SUPPORT - FRONT, LEFT SIDE
			1		1	2900762	CABINET, RESOLVER CIRCUIT TESTER
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+	±.005	+
-	±.02	-

DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J Wolski DATE 5 OCT 65
CHECKED
APPROVAL 12 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

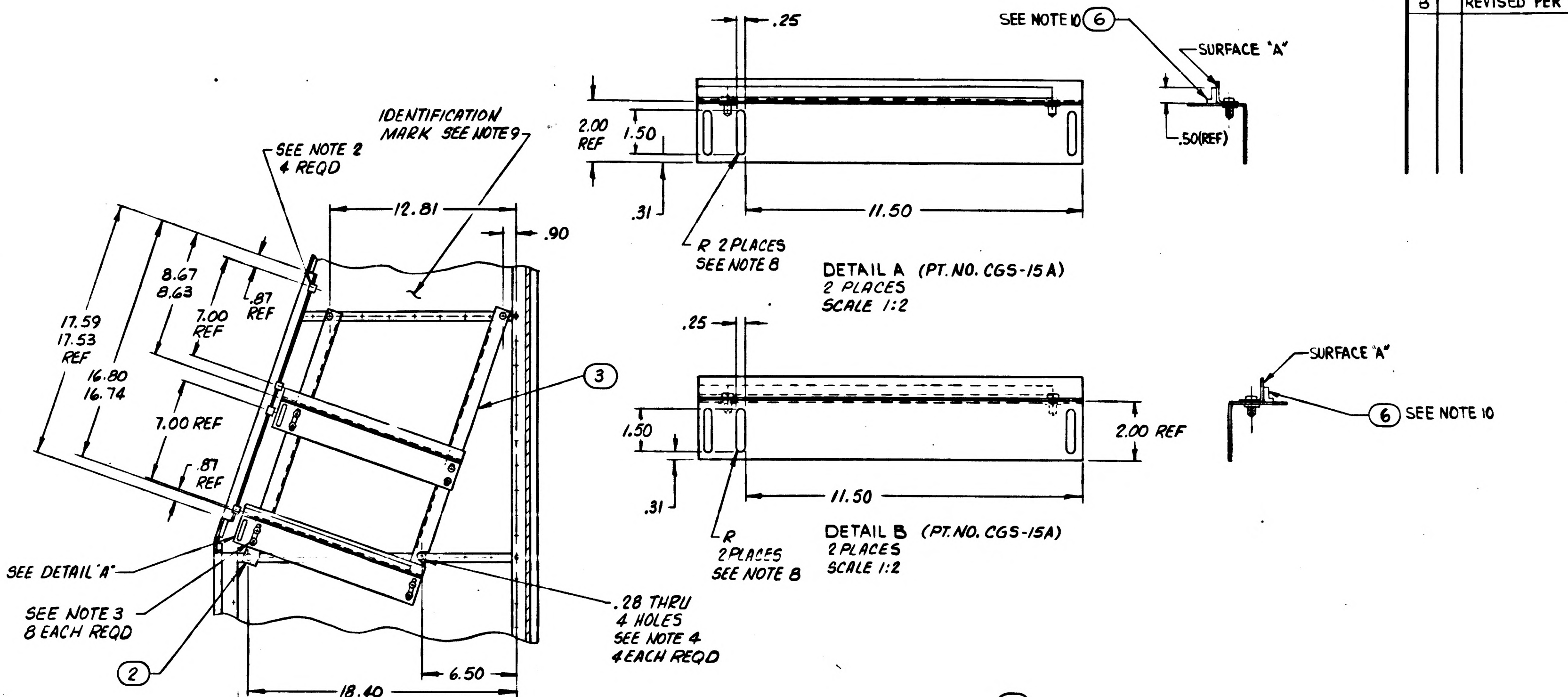
CABINET ASSEMBLY,
RESOLVER CIRCUIT TESTER -
MODIFIED

CODE IDENT NO. 99974
SIZE E
2900837
SCALE 4:1
SHEET 1 OF 1

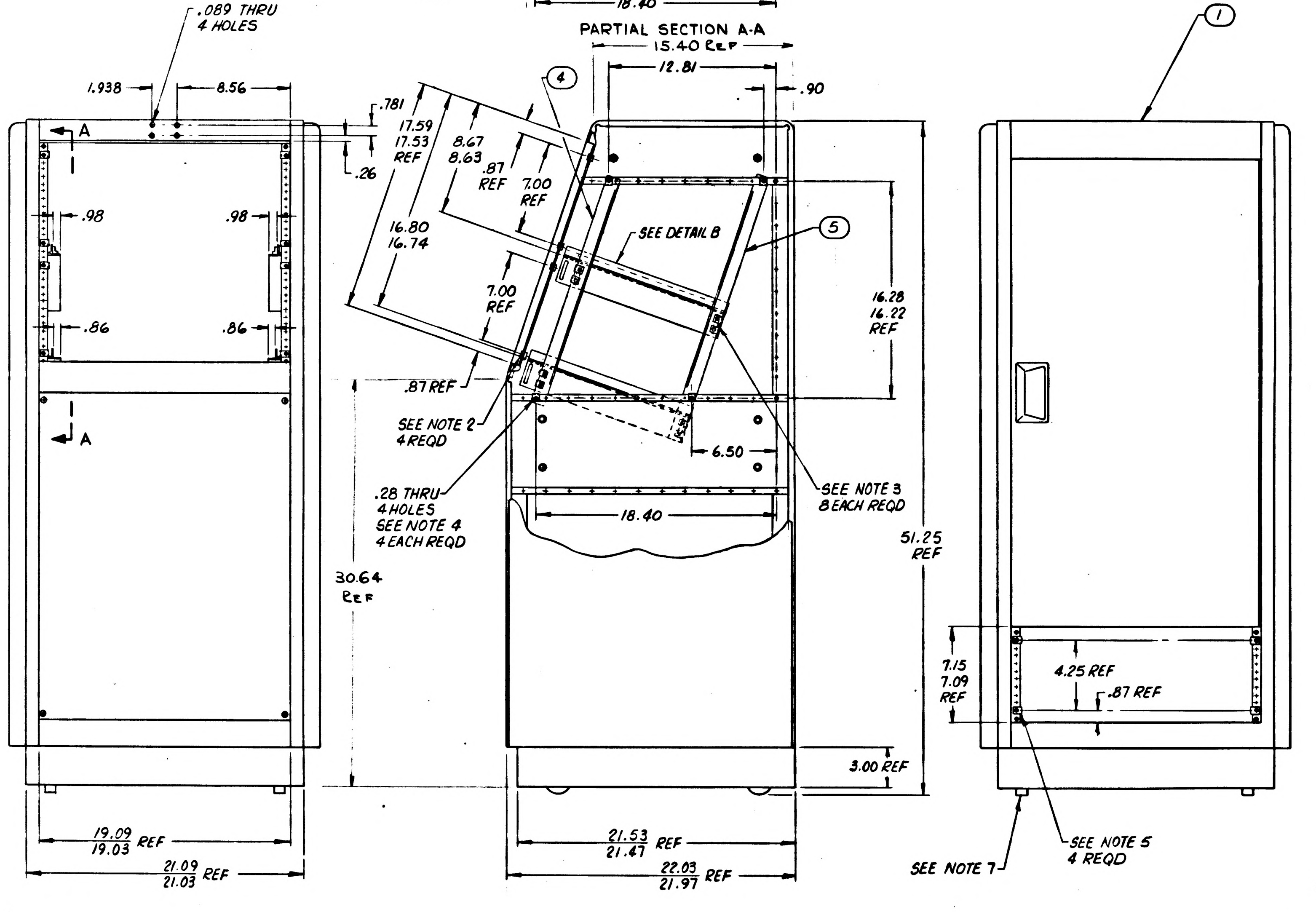
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70237.
2. VENDOR PART NUMBER AHWX-092-003219 CLIP NUT 8 REQD. LOCATE AT HOLES INDICATED.
3. VENDOR PART NUMBERS HW 210 CLIP NUT AND HW 111 SCREW. 16 EACH REQD.
4. VENDOR PART NUMBERS HW 201 CLIP NUT AND HW 111 SCREW. 8 EACH REQD.
5. VENDOR PART NUMBER HW 210 CLIP NUT 4 REQD
6. VENDOR ITEM - SEE SOURCE CONTROL DRAWING.
7. CASTERS (VENDOR PART NUMBER HW 486) & BOTTOM PANEL (VENDOR PART NUMBER PN17) TO BE MOUNTED DURING ASSEMBLY USING HARDWARE PROVIDED.
8. TOUCH UP SLOTS WITH PRIMER P513 PER MIL-P-8585 & APPLY 2 COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY COLOR 26231 FED-STD-595.
9. IDENTIFY USING DRAWING NUMBER & APPLICABLE DASH NUMBER PER MIL-STD 130 (ES267)
10. BOND ITEM ⑥ ONLY TO SURFACE "A" OF VENDOR P/N CGS-15A USING ⑦. BOND ITEM ⑥ TO UPPER LEFT AND RIGHT CHASSIS GUIDES ONLY.

REVISIONS 234 8					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		INITIAL RELEASE CLASS A PER TDRR 23718		8 OCT 65	WRB
B		REVISED PER TDRR 25389		2 FEB	



SEE NOTE 2
4 REQD
IDENTIFICATION MARK SEE NOTE 9
12.81
.90
17.59
17.53
REF
8.67
8.63
.87
REF
7.00
REF
16.80
16.74
7.00 REF
.87
REF
③
SEE DETAIL "A"
SEE NOTE 3
8 EACH REQD
②
.28 THRU
4 HOLES
SEE NOTE 4
4 EACH REQD
18.40
6.50
.25
2.00
REF
1.50
.31
11.50
R 2 PLACES
SEE NOTE 8
DETAIL A (PT. NO. CGS-15A)
2 PLACES
SCALE 1:2
SEE NOTE 10 ⑥
SURFACE "A"
.50(REF)
.25
1.50
2.00 REF
.31
11.50
R
2 PLACES
SEE NOTE 8
DETAIL B (PT. NO. CGS-15A)
2 PLACES
SCALE 1:2
SURFACE "A"
⑥ SEE NOTE 10



.089 THRU
4 HOLES
1.938
8.56
A
.98
.98
.86
.86
A
19.09
19.03
REF
21.09
21.03
REF
PARTIAL SECTION A-A
15.40 REF
12.81
.90
④
.781
.26
17.59
17.53
REF
8.67
8.63
.87
REF
7.00
REF
16.80
16.74
SEE DETAIL B
⑤
7.00
REF
.87 REF
SEE NOTE 2
4 REQD
6.50
.28 THRU
4 HOLES
SEE NOTE 4
4 EACH REQD
18.40
SEE NOTE 3
8 EACH REQD
16.28
16.22
REF
51.25
REF
30.64
REF
3.00 REF
21.53
21.47
REF
22.03
21.97
REF
①
7.15
7.09
REF
4.25 REF
.87 REF
SEE NOTE 5
4 REQD
SEE NOTE 7

SEE NOTE 6

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			AR		7	MMM-A-181A	RESORCINOL FORMALDEHYDE ADHESIVE
			2		6	2900892	LINER, SLIDE ASSEMBLY
			1		5	2900871	GUIDE SUPPORT-BACK, RIGHT SIDE
			1		4	2900870	GUIDE SUPPORT-FRONT, RIGHT SIDE
			1		3	2900869	GUIDE SUPPORT-BACK, LEFT SIDE
			1		2	2900868	GUIDE SUPPORT-FRONT, LEFT SIDE
			1		1	2900762	CABINET, RESOLVER CIRCUIT TESTER

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900708-011	1900030	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ ±.005 +
- ±.02 -
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J Wolski DATE 5 OCT 65
CHECKED
APPROVAL 12 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

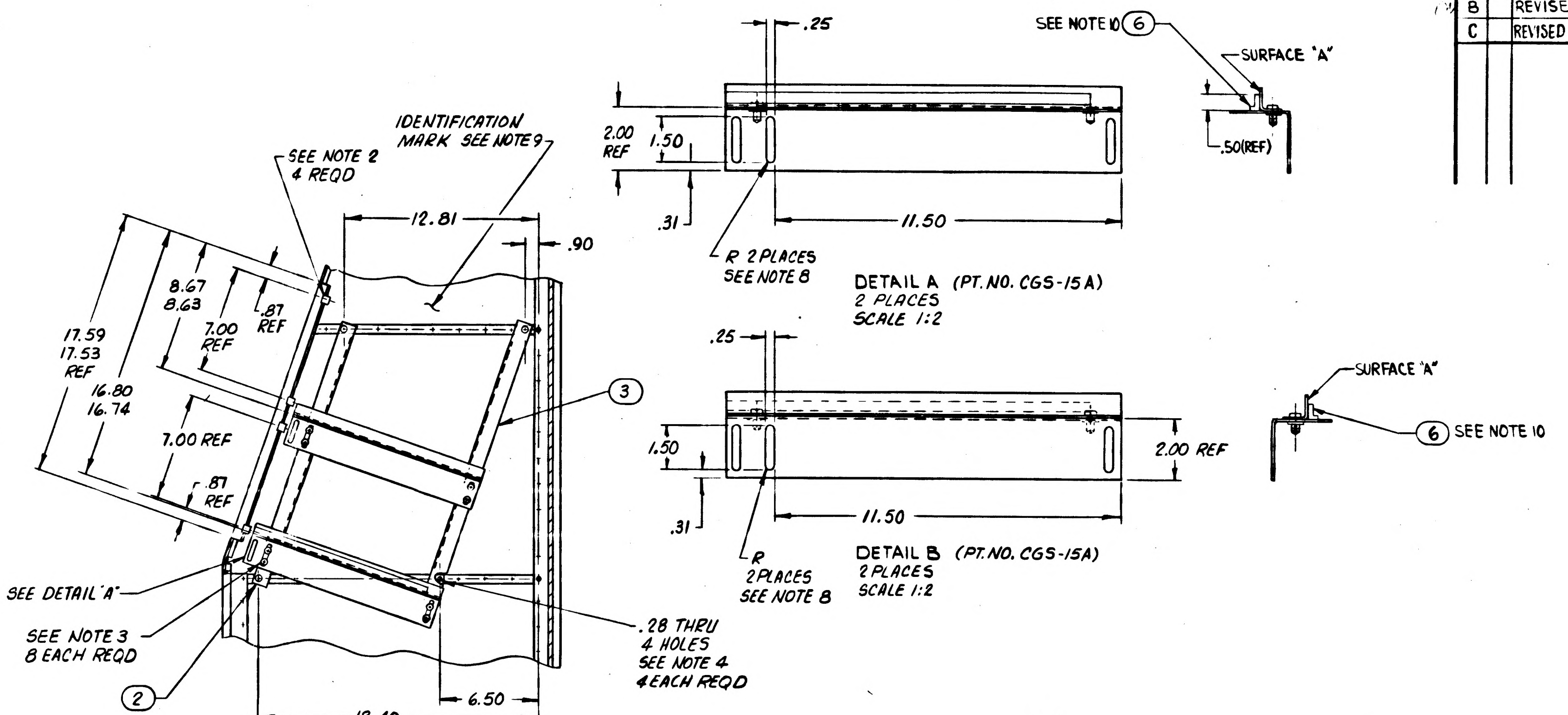
CABINET ASSEMBLY,
RESOLVER CIRCUIT TESTER -
MODIFIED

CODE IDENT NO. 99974
SIZE E
2900837
SCALE 4:1
SHEET OF 1

NOTES:

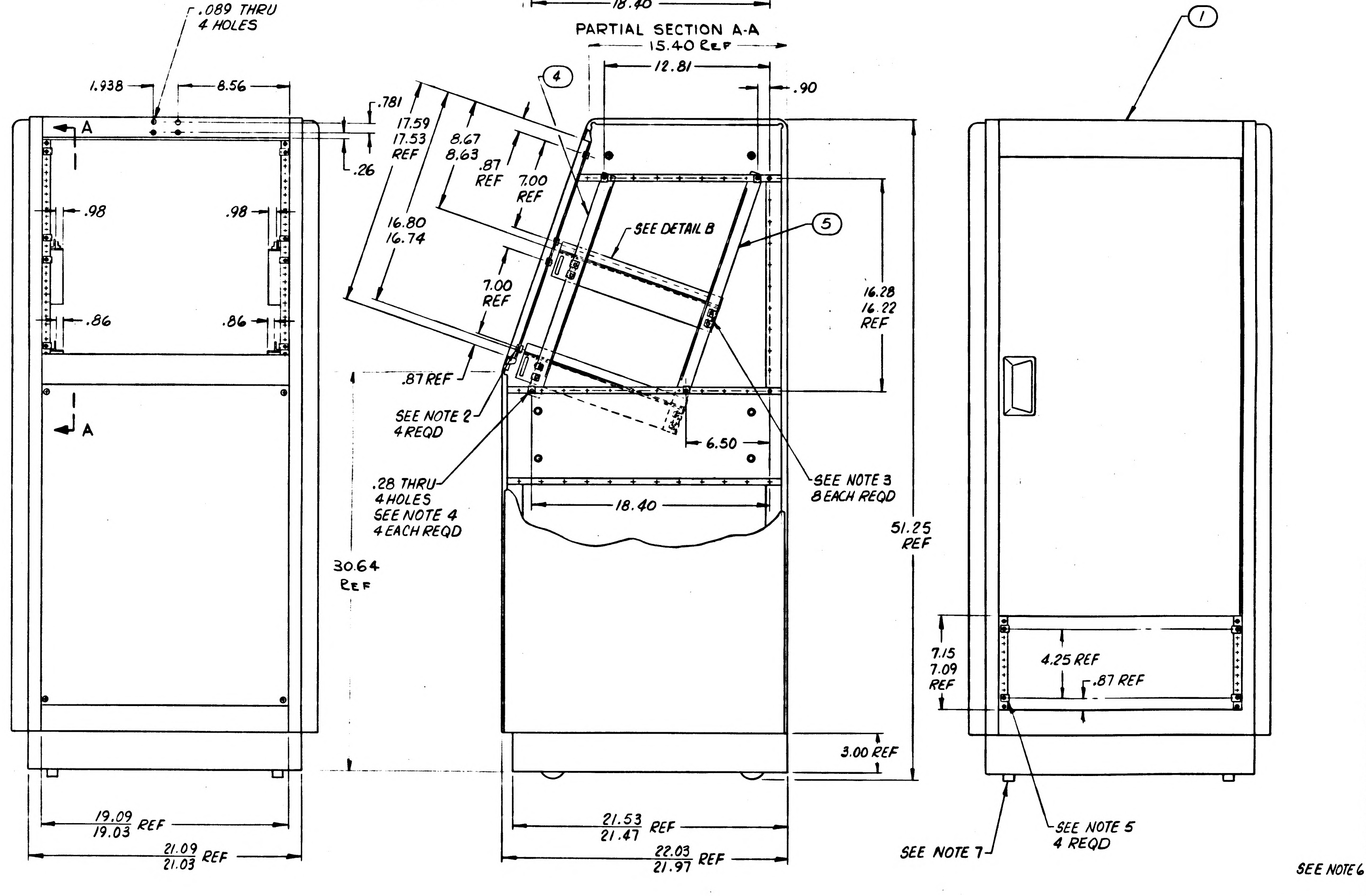
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70237.
2. VENDOR PART NUMBER AHWX-092-003219 CLIP NUT 8 REQD. LOCATE AT HOLES INDICATED.
3. VENDOR PART NUMBERS HW 210 CLIP NUT AND HW III SCREW. 16 EACH REQD.
4. VENDOR PART NUMBERS HW 201 CLIP NUT AND HW III SCREW. 8 EACH REQD.
5. VENDOR PART NUMBER HW 210 CLIP NUT 4 REQD
6. VENDOR ITEM - SEE SOURCE CONTROL DRAWING.
7. CASTERS (VENDOR PART NUMBER HW 486) & BOTTOM PANEL (VENDOR PART NUMBER PN17) TO BE MOUNTED DURING ASSEMBLY USING HARDWARE PROVIDED.
8. TOUCH UP SLOTS WITH PRIMER P513 PER MIL-P-8585 & APPLY 2 COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY COLOR 2625. FED-STD-595.
9. IDENTIFY USING DRAWING NUMBER & APPLICABLE DASH NUMBER PER MIL-STD 130 (ES267)
10. BOND ITEM ⑥ ONLY TO SURFACE "A" OF VENDOR P/N CGS-15A USING ⑦. BOND ITEM ⑥ TO UPPER LEFT AND RIGHT CHASSIS GUIDES ONLY.

REVISIONS 2-918					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
A		INITIAL RELEASE CLASS A PER TDRR 2-918		8 OCT 65	
B		REVISED PER TDRR 25389		2 FEB 66	
C		REVISED PER TDRR 26089		18 FEB 66	



.25
2.00 REF
1.50
.31
11.50
R 2 PLACES SEE NOTE 8
DETAIL A (PT. NO. CGS-15A) 2 PLACES SCALE 1:2
SEE NOTE 10 ⑥
SURFACE "A"
.50(REF)
.25
1.50
2.00 REF
.31
11.50
R 2 PLACES SEE NOTE 8
DETAIL B (PT. NO. CGS-15A) 2 PLACES SCALE 1:2
SURFACE "A"
⑥ SEE NOTE 10
IDENTIFICATION MARK SEE NOTE 9
SEE NOTE 2 4 REQD
12.81
.90
8.67 8.63
.87 REF
7.00 REF
17.59 17.53 REF
16.80 16.74
7.00 REF
.87 REF
③
SEE DETAIL "A"
SEE NOTE 3 8 EACH REQD
②
.28 THRU 4 HOLES SEE NOTE 4 4 EACH REQD
18.40
6.50

PARTIAL SECTION A-A



.089 THRU 4 HOLES
1.938
8.56
A
.98
.98
.86
.86
A
19.09 19.03 REF
21.09 21.03 REF
.781
.26
15.40 REF
12.81
.90
④
17.59 17.53 REF
8.67 8.63
.87 REF
7.00 REF
SEE DETAIL B
⑤
16.80 16.74
7.00 REF
16.28 16.22 REF
.87 REF
SEE NOTE 2 4 REQD
6.50
SEE NOTE 3 8 EACH REQD
.28 THRU 4 HOLES SEE NOTE 4 4 EACH REQD
18.40
30.64 REF
51.25 REF
3.00 REF
21.53 21.47 REF
22.03 21.97 REF
①
7.15 7.09 REF
4.25 REF
.87 REF
SEE NOTE 5 4 REQD
SEE NOTE 7
SEE NOTE 6

QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
AR		7	MMM-A-181A	RESORCINOL FORMALDEHYDE ADHESIVE
2		6	2900892	LINER, SLIDE ASSEMBLY
1		5	2900871	GUIDE SUPPORT - BACK, RIGHT SIDE
1		4	2900870	GUIDE SUPPORT - FRONT, RIGHT SIDE
1		3	2900869	GUIDE SUPPORT - BACK, LEFT SIDE
1		2	2900868	GUIDE SUPPORT - FRONT, LEFT SIDE
1		1	2900762	CABINET, RESOLVER CIRCUIT TESTER

LIST OF PARTS AND MATERIALS

APPLICATION: NEXT ASSY	APPLICATION: USED ON	APPLICABLE DASH NO.
2900708-011	1900030	-011

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS ±.005 ±.02 ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. Wolski DATE 5 OCT 65
CHECKED
APPROVAL 12 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

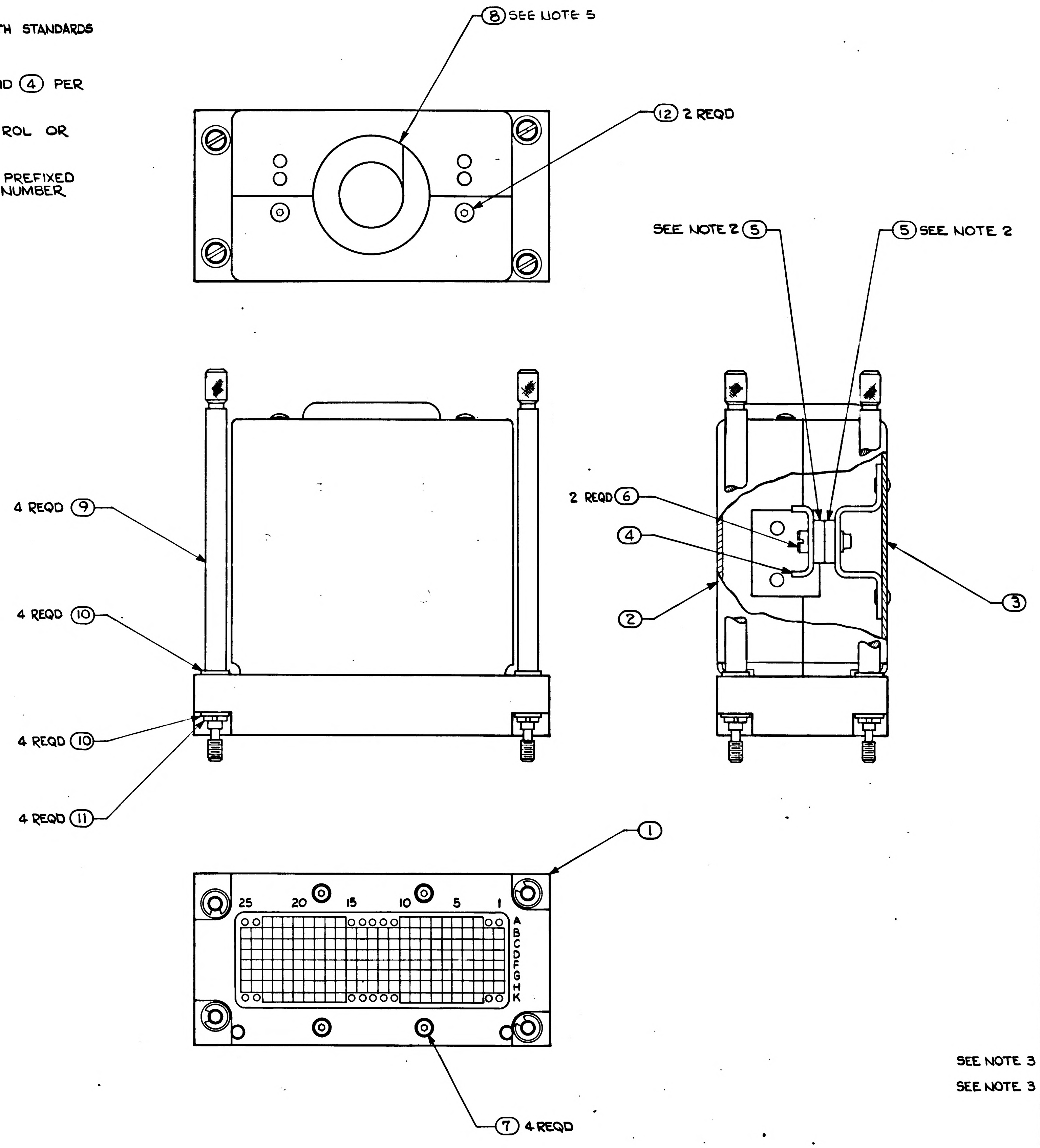
CABINET ASSEMBLY,
RESOLVER CIRCUIT TESTER -
MODIFIED

CODE IDENT NO. 99974
SIZE E
2900837
SCALE 4:1
SHEET OF 1

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	-	INITIAL RELEASE CLASS A PER TDRR			

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEMS ③ AND ④ PER ND 1002151.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.



				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3				2		12	1006783-19	SCREW, BUTTON HD
				4		11	MS16633-4015	RING, RETAINING "E"
SEE NOTE 3				8		10	1897324-002	WASHER, FLAT
				4		9	2900676-2	SCREW, JACK
				1		8	MS35489-20	GROMMET, RUBBER
				4		7	1017418-11	SCREW, CAP, SOC HD
				2		6	1017429-4	SCREW, SHOULDER
				2		5	2900580-004	GASKET
				1		4	2900711-004	CLAMP, MOVABLE
				1		3	2900843	SHELL, CLAMP (INSEP ASSY)
				1		2	2900842	SHELL, COVER (INSEP ASSY)
				1		1	2900841	BASE, CONNECTOR
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS 9-497

L. Erickson 3 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 23SEP65
CHECKED OCT 65
APPROVAL 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

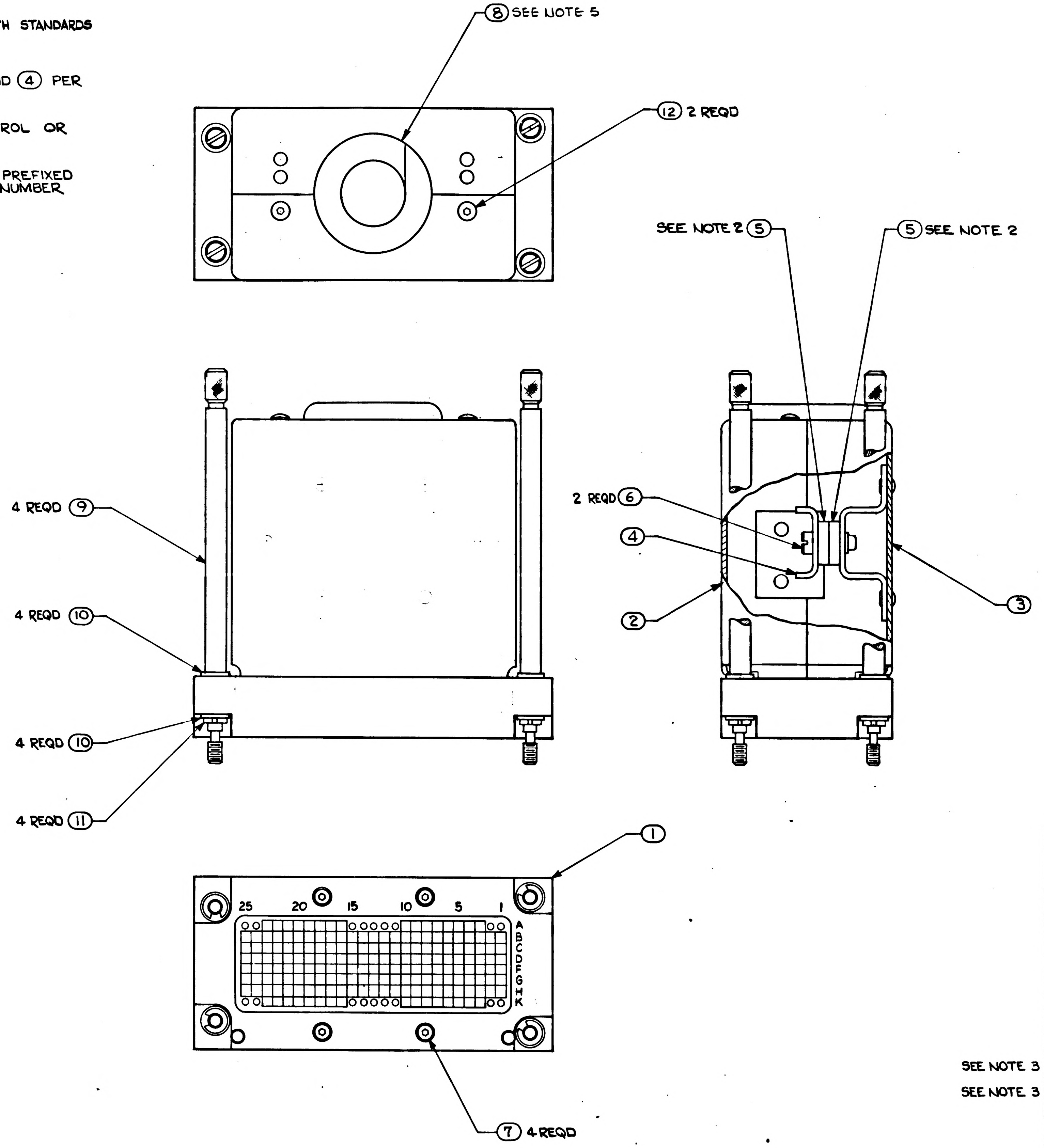
CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
(GSE [illegible])

CODE IDENT NO 99974
SIZE E
2900840
SCALE 2/1
SHEET 1 OF 1

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR			
	B	REVISED PER TDRR 28987		23 MAY 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEMS ③ AND ④ PER ND 1002151.
3. VENDOR ITEM. SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.



			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3			2		12	1006783-19	SCREW, BUTTON HD
			4		11	MS16633-4015	RING, RETAINING "E"
SEE NOTE 3			8		10	1897324-002	WASHER, FLAT
			4		9	2900676-2	SCREW, JACK
			1		8	MS35489-22	GROMMET, RUBBER
			4		7	1017418-11	SCREW, CAP, SOC HD
			2		6	2901022-004	SCREW, SHOULDER
			2		5	2900580-004	GASKET
			1		4	2900711-004	CLAMP, MOVABLE
			1		3	2900843	SHELL, CLAMP (INSEP ASSY)
			1		2	2900842	SHELL, COVER (INSEP ASSY)
			1		1	2900841	BASE, CONNECTOR

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900663	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

S. Erickson 3 OCT 65

AC SPARK PLUG DIVISION. GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN R. Kticek DATE 23 SEP 65

CHECKED 11 OCT 65

APPROVAL R. Foos 14 OCT 65

APPROVAL

NASA APPROVAL

MIT APPROVAL 20 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
(GSE

CODE IDENT NO. 99974

SIZE E

2900840

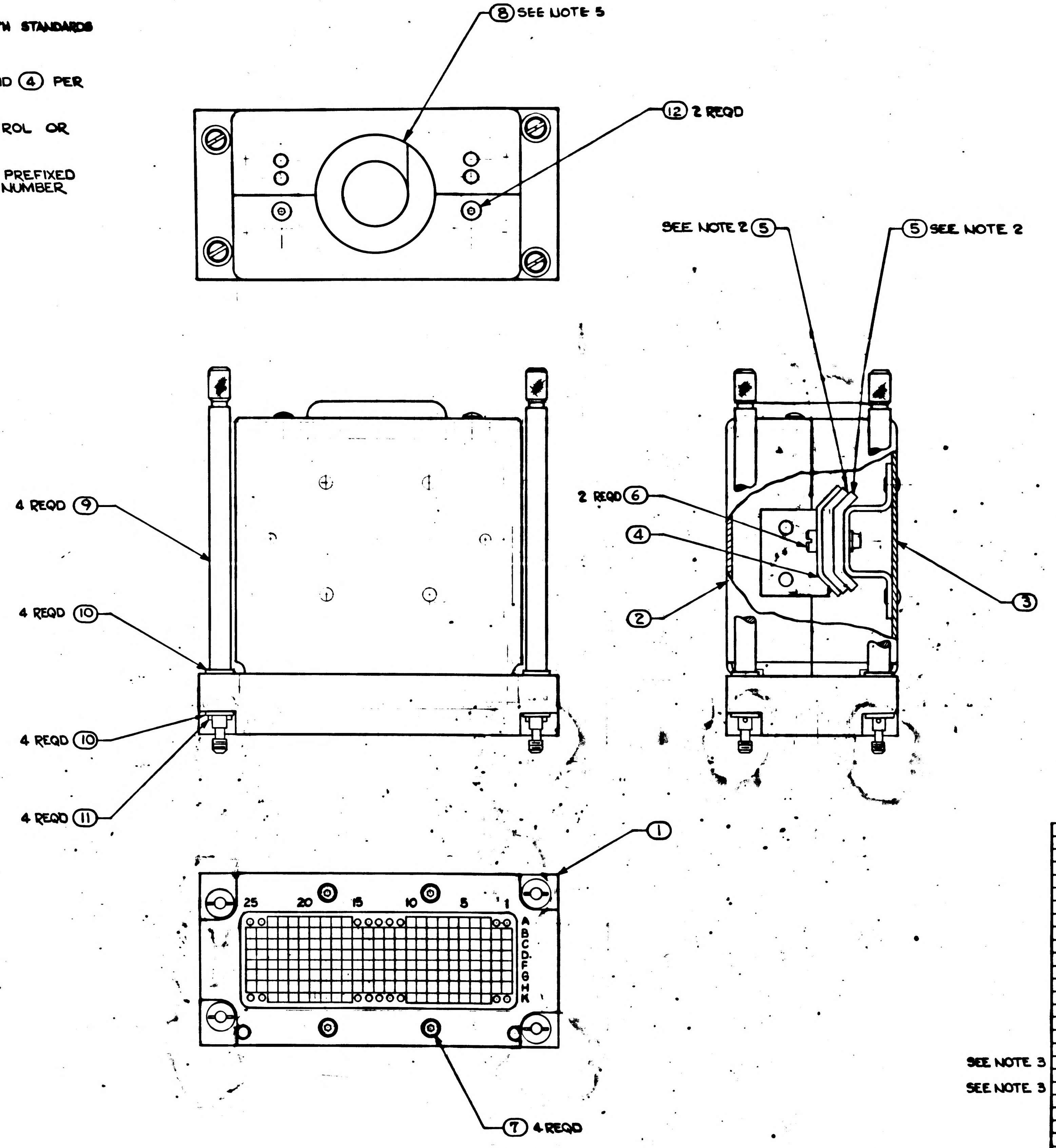
SCALE 2/1

SHEET OF

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEM ⑤ TO ITEMS ③ AND ④ PER ND1002151 USING ITEM ⑬.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR		14 DEC 65	G.C.R. / J.A.C.
	B	REVISED PER TDRR 28987		23 MAY 66	
	C	REVISED PER TDRR 33247		3 MAR	C.F.B.



	QTY REQD	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	AR		13	MIL-A-5092	TYPE II, ADHESIVE
SEE NOTE 3	2		12	1006783-19	SCREW, BUTTON HD
	4		11	MS171433	PIN
SEE NOTE 3	8		10	1897324-002	WASHER, FLAT
	4		9	2901508	SCREW EXTERNALLY, RELIEVED BODY
	1		8	MS35489-22	GROMMET, RUBBER
	4		7	1017418-11	SCREW, CAP, SOC HD
	2		6	2901022-004	SCREW, SHOULDER
	2		5	2901590-004	GASKET
	1		4	2901591-004	CLAMP, MOVABLE
	1		3	2900843	SHELL, CLAMP (INSEP ASSY)
	1		2	2900842	SHELL, COVER (INSEP ASSY)
	1		1	2900841	BASE, CONNECTOR

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900663	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 11 OCT 65
CHECKED
APPROVAL 14 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
(GSE, IMU - PIPA J6)

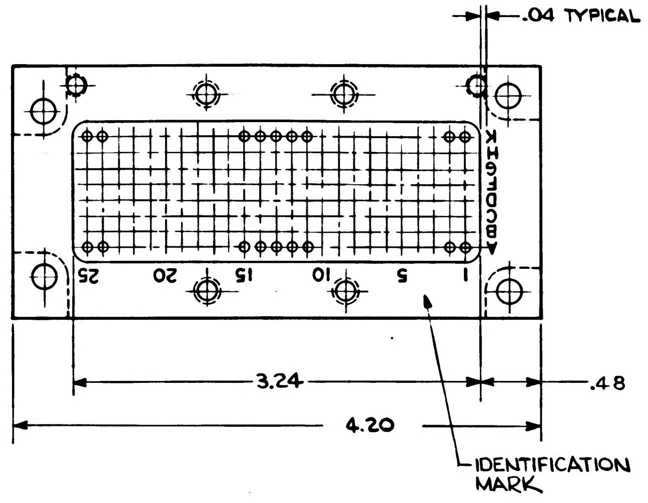
CODE IDENT NO. 99974
SIZE E
2900840
SCALE 2/1
SHEET OF 1

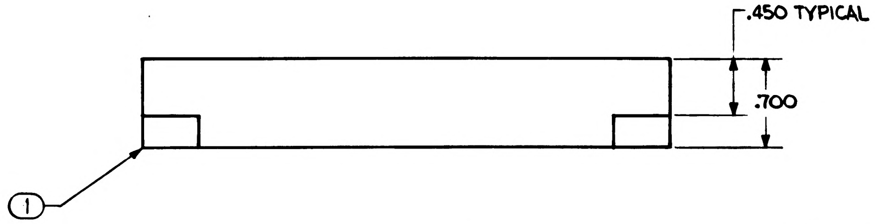
G. Erickson 13 OCT 65

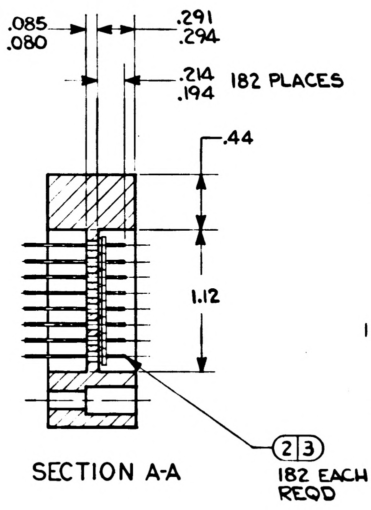
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR			

NOTES:

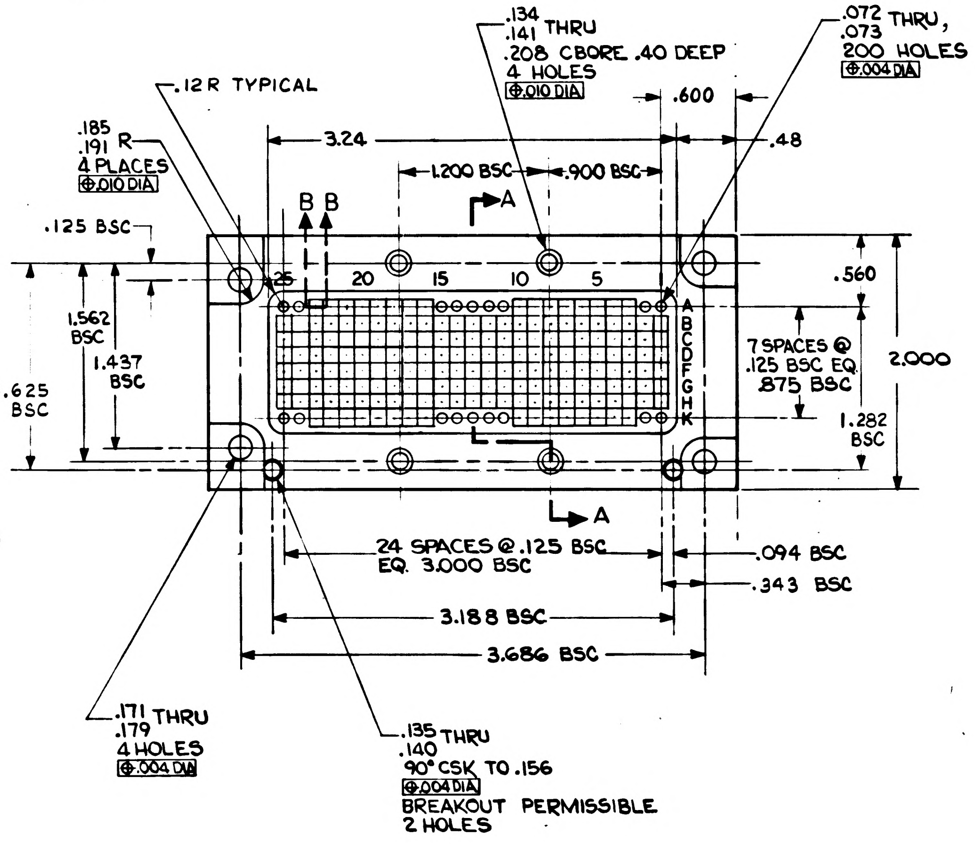
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TEMPER T651, ALUMINUM ALLOY, (6061, ES2106).
3. FINISH: MIL-A-8625, TYPE I, ANODIZE (ES385).
4. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. MARK CHARACTERS PER ND 1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
7. MUST BE FREE FROM BURRS.
8. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .010 R. OR CHAMFER.
   B. SURFACE ROUGHNESS NOT TO EXCEED 125/.
   C. THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.

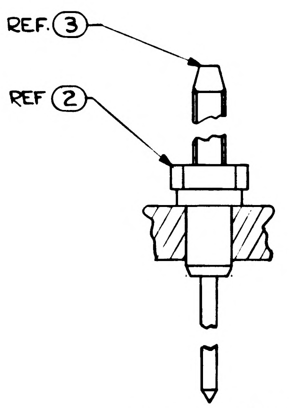

.04 TYPICAL
A B C D E F G H K
25 20 15 10 5 1
3.24
.48
4.20
IDENTIFICATION MARK


.450 TYPICAL
.700
1


.085
.080
.291
.294
.214
.194
182 PLACES
.44
1.12
2 3
182 EACH REQD

SECTION A-A


.134
.141 THRU
.208 CBORE .40 DEEP
4 HOLES
⊕.010 DIA
.072 THRU,
.073
200 HOLES
⊕.004 DIA
.12 R TYPICAL
.185
.191 R
4 PLACES
⊕.010 DIA
3.24
.600
.48
1.200 BSC
.900 BSC
B B
A
.125 BSC
.560
25 20 15 10 5
A B C D F G H K
1.562 BSC
1.437 BSC
1.625 BSC
7 SPACES @ .125 BSC EQ .875 BSC
2.000
1.282 BSC
A
24 SPACES @ .125 BSC EQ. 3.000 BSC
.094 BSC
.343 BSC
3.188 BSC
3.686 BSC
.171
.179 THRU
4 HOLES
⊕.004 DIA
.135 THRU
.140
90° CSK TO .156
⊕.004 DIA
BREAKOUT PERMISSIBLE
2 HOLES



PARTIAL SECTION B-B
SCALE 10/1

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7	3	182	1897262-002	CONTACT, ELECTRICAL-MALE
SEE NOTE 7	2	182	1897264	INSULATOR, BUSHING-MALE
SEE NOTES 2&3	1	1	2900841-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900840-011	290066 -011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± .02 ± 2°
± .005
DO NOT SCALE THIS DRAWING
AS NOTED
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Tatiak DATE 1 OCT 65
CHECKED
APPROVAL D. Voss 14 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900841
SCALE 2/1
SHEET 1 OF 1

Ellison 13 OCT 65

1A800S ... 2900841

A	2900844	2

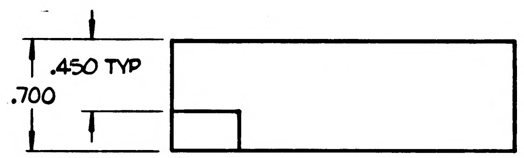
NOTES:

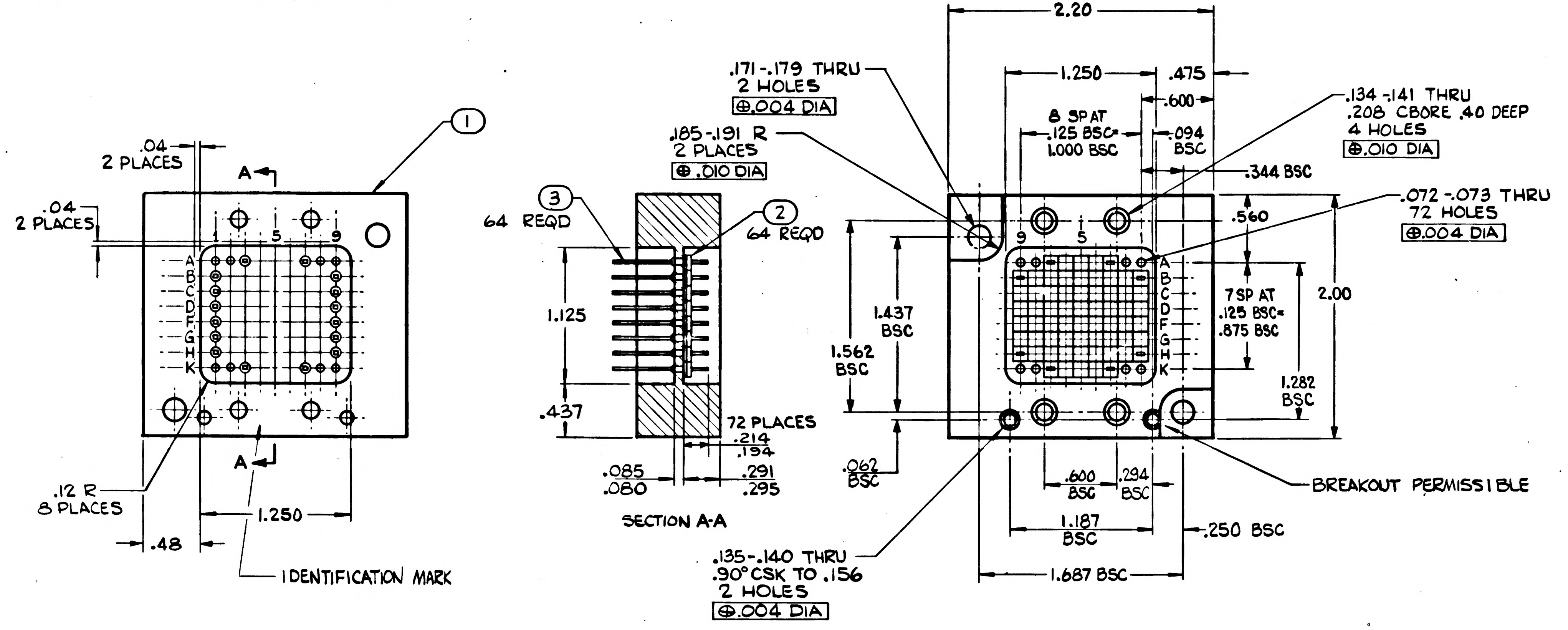
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130(ES267).
4. MATERIAL: QQ-A-250/11, TEMPER T651 (AL ALY, 6061, ES2106)
5. FINISH: MIL-A-8625, TYPE I (ANODIZE ES385).
6. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
   B. SURFACE ROUGHNESS NOT TO EXCEED $\sqrt{}^{.125}$

7. MUST BE FREE FROM BURRS.
8. MARK CHARACTERS PER ND 1002019. .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
9. *THE CONTACTS SHALL WITHSTAND A PUSHOUT LOAD OF 12 POUNDS A THE RATE OF ONE POUND PER SECOND.*

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	J.A.C.





2.20
1.250
.475
.600
8 SP AT .125 BSC= 1.000 BSC
.094 BSC
.344 BSC
.171-.179 THRU 2 HOLES ⊕.004 DIA
.185-.191 R 2 PLACES ⊕.010 DIA
.134-.141 THRU .208 CBORE .40 DEEP 4 HOLES ⊕.010 DIA
.072-.073 THRU 72 HOLES ⊕.004 DIA
.560
7 SP AT .125 BSC= .875 BSC
2.00
1.282 BSC
1.437 BSC
1.562 BSC
.062 BSC
.600 BSC
.294 BSC
1.187 BSC
.250 BSC
1.687 BSC
BREAKOUT PERMISSIBLE
.135-.140 THRU .90° CSK TO .156 2 HOLES ⊕.004 DIA
9
5
A
B
C
D
F
G
H
K
1
.04 2 PLACES
.04 2 PLACES
A
.12 R 8 PLACES
.48
1.250
IDENTIFICATION MARK
3
64 REQD
2
64 REQD
1.125
.437
72 PLACES
.214
.194
.291
.295
.085
.080
SECTION A-A

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 2	3	64	1897262-002	CONTACT, ELECTRICAL - MALE
SEE NOTE 2	2	64	1897264	INSULATOR, BUSHING-MALE
SEE NOTES 4&5	1	1	2900844-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900876-011	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ 1°
-	±.02	-

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497
G. Enderson 13 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN

DRAWN Jonquin DATE 5 OCT 65
CHECKED G. E. Seymour 13 OCT 65
APPROVAL V. Foss 14 OCT 65
APPROVAL C Sevling
NASA APPROVAL A. Metzger/RTS
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900844
SCALE 2:1
SHEET 1 OF 1

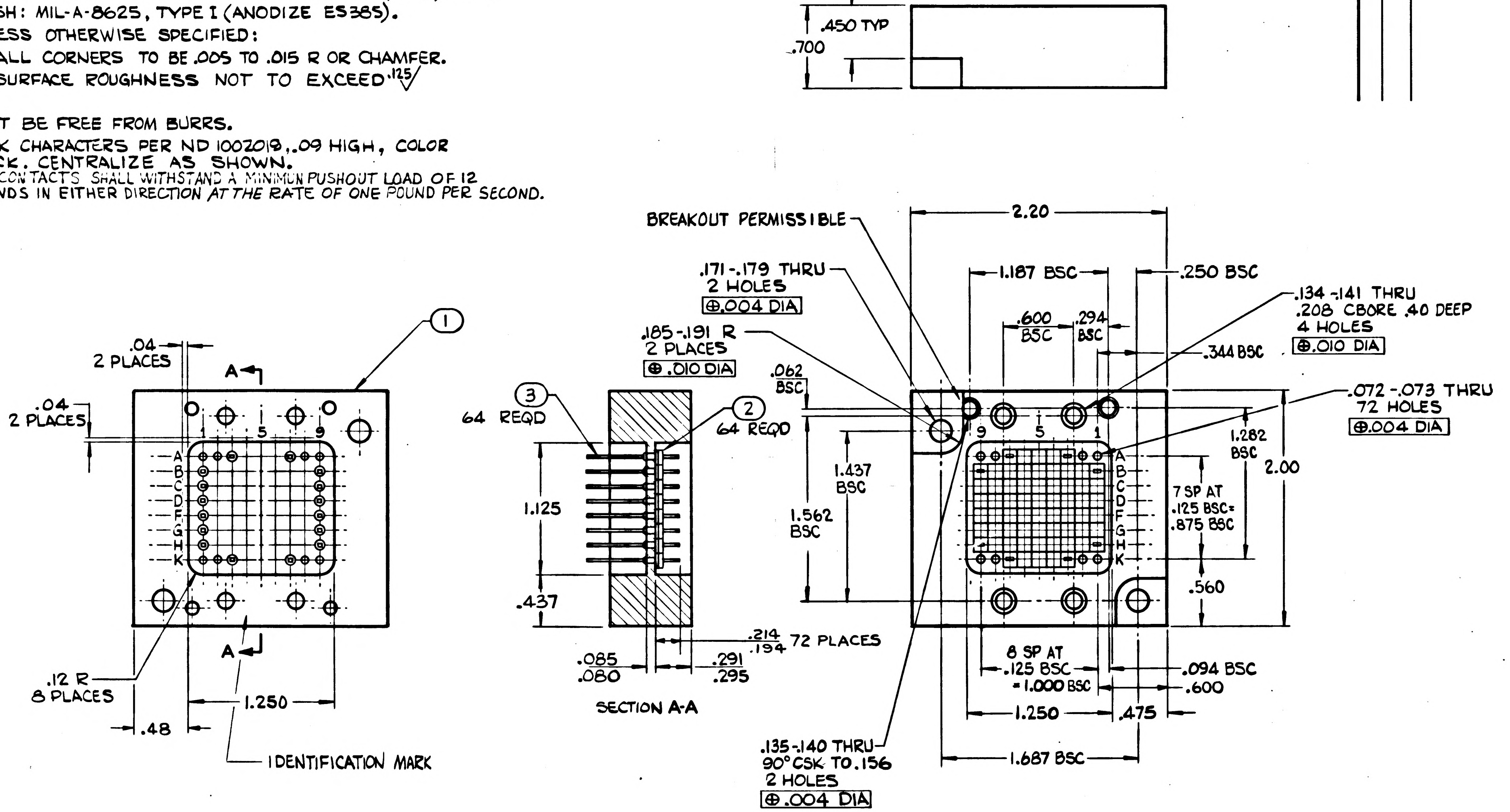
2900845 A

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR [illegible]		14 DEC 65	EM / JAC

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. IDENTIFY USING DRAWING NO. PER MIL-STD-130(ES267).
4. MATERIAL: QQ-A-250/11, TEMPER T651(AL ALY, 6061, ES2106)
5. FINISH: MIL-A-8625, TYPE I (ANODIZE ES385).
6. UNLESS OTHERWISE SPECIFIED:
   - A. ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
   - B. SURFACE ROUGHNESS NOT TO EXCEED $\sqrt{}^{.125}$

7. MUST BE FREE FROM BURRS.
8. MARK CHARACTERS PER ND 1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
9. THE CONTACTS SHALL WITHSTAND A MINIMUN PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.


.450 TYP
.700
BREAKOUT PERMISSIBLE
.171-.179 THRU
2 HOLES
⊕.004 DIA
.185-.191 R
2 PLACES
⊕.010 DIA
.062 BSC
2.20
1.187 BSC
.250 BSC
.600 BSC
.294 BSC
.344 BSC
.134-.141 THRU
.208 CBORE .40 DEEP
4 HOLES
⊕.010 DIA
.072-.073 THRU
72 HOLES
⊕.004 DIA
1.282 BSC
2.00
1.437 BSC
1.562 BSC
7 SP AT
.125 BSC=
.875 BSC
.560
8 SP AT
.125 BSC
=1.000 BSC
.094 BSC
.600
1.250
.475
1.687 BSC
.135-.140 THRU
90° CSK TO .156
2 HOLES
⊕.004 DIA
9
5
1
A
B
C
D
E
F
G
H
K
③
64 REQD
②
64 REQD
1.125
.437
.085
.080
.214
.194
72 PLACES
.291
.295
SECTION A-A
①
.04
2 PLACES
.04
2 PLACES
A
.12 R
8 PLACES
.48
1.250
IDENTIFICATION MARK

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 2	3	64	1897262-002	CONTACT, ELECTRICAL - MALE
SEE NOTE 2	2	64	1897264	INSULATOR, BUSHING-MALE
SEE NOTES 4&5	1	1	2900845-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900877-011	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+ 1°
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN

DRAWN Jonquin DATE 5 OCT 65
CHECKED J. G. [illegible] 13 OCT 65
APPROVAL [illegible] 14 OCT 65
APPROVAL C. Snerling
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 20 [illegible] 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974 SIZE D 2900845

SCALE 2:1 SHEET 1 OF 1

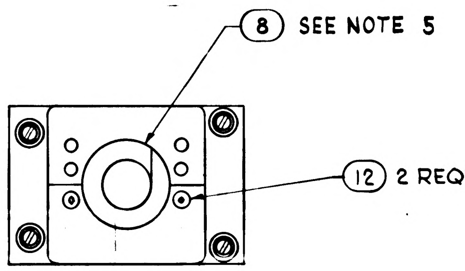
H. Erickson 13 OCT 65

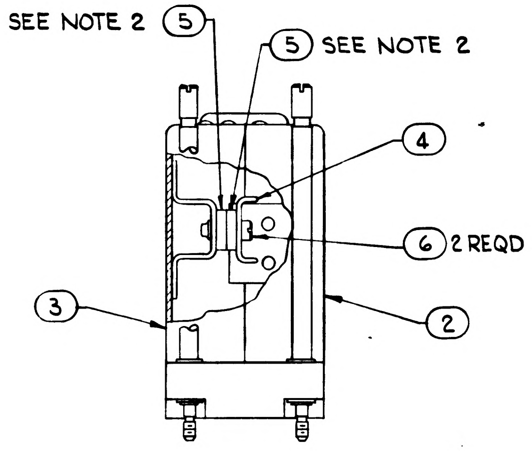
2900850 A

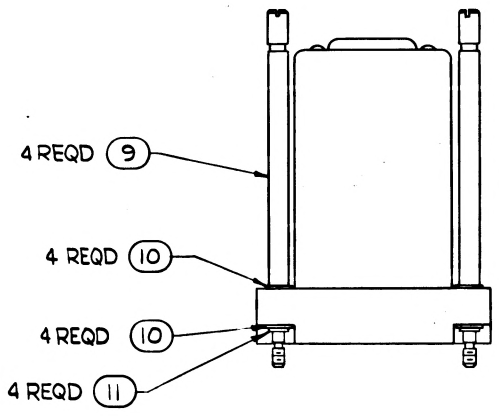
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	G.O.R.

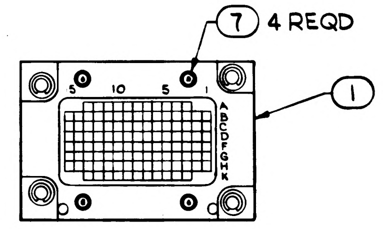
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
SEE NOTE 3				2		12	1006783-19	SCREW
				4		11	MS16633-4015	RING, RETAINING
SEE NOTE 3				8		10	1897324-002	WASHER
				4		9	2900676-2	SCREW, JACK
				1		8	MS35489-16	GROMMET
				4		7	1017418-11	SCREW
				2		6	1017429-4	SCREW, SHOULDER
				2		5	2900580-007	GASKET
				1		4	2900711-007	CLAMP, MOVABLE
				1		3	2900848	SHELL, CLAMP (INSEP ASSY)
				1		2	2900849	SHELL, COVER (INSEP ASSY)
				1		1	2900878	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-C11	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS + — − ANGLES + — −
DO NOT SCALE THIS DRAWING
MATERIAL ———
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN S. Agne DATE 6 OCT 65
CHECKED 11 OCT 65
APPROVAL R. Foss 13 OCT 65
APPROVAL C Snerling 12/20
NASA APPROVAL a. Metzger
MIT APPROVAL W Kupfer 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG,
ELECTRICAL - 112 PIN
(GSE, OPTICS-J5)

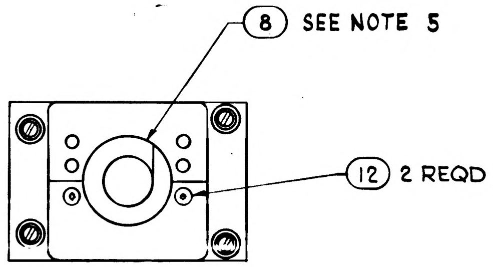
CODE IDENT NO. 99974
SIZE D
2900850
SCALE 1/1
SHEET 1 OF 1

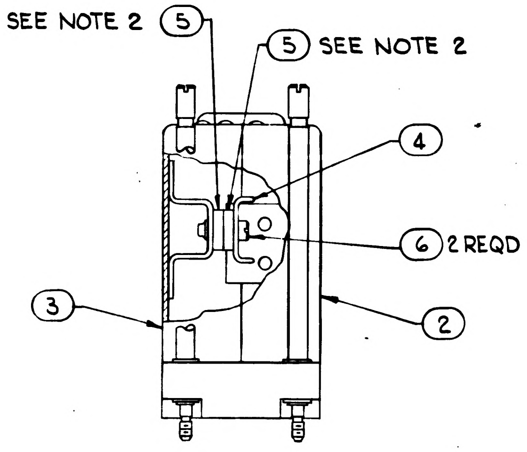
H. Ericsson 13 OCT 65

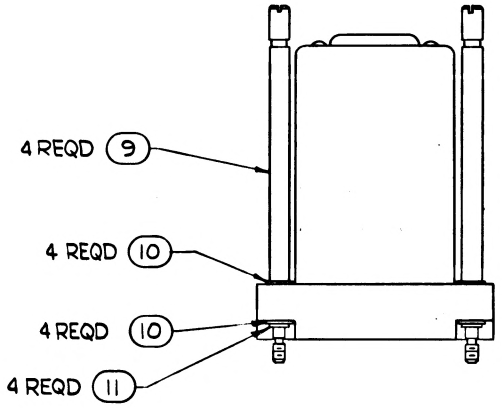
NOTES:

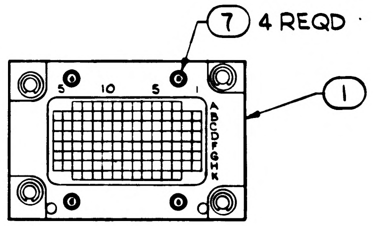
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS (5) TO ITEM (3) AND ITEM (4) PER ND1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM (8) PER MS 35489.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	G.O.R.
B		REVISED PER TDRR-26741		8-MAR-66	B









	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3	2		12	1006783-19	SCREW
	4		11	MS16633-4015	RING, RETAINING
SEE NOTE 3	8		10	1897324-002	WASHER
	4		9	2900676-2	SCREW, JACK
	1		8	MS35489-17	GROMMET
	4		7	1017418-11	SCREW
	2		6	1017429-4	SCREW, SHOULDER
	2		5	2900580-007	GASKET
	1		4	2900711-007	CLAMP, MOVABLE
	1		3	2900848	SHELL, CLAMP (INSEP ASSY)
	1		2	2900849	SHELL, COVER (INSEP ASSY)
	1		1	2900878	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497
H. Ericsson 13 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN S. Agne DATE 6 OCT 65
CHECKED [illegible] 11 OCT 65
APPROVAL R. Foss 13 OCT 65
APPROVAL C. Snerling 12/20
NASA APPROVAL A. Metzger
MIT APPROVAL W. Guffey 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 112 PIN (GSE, OPTICS-J5)

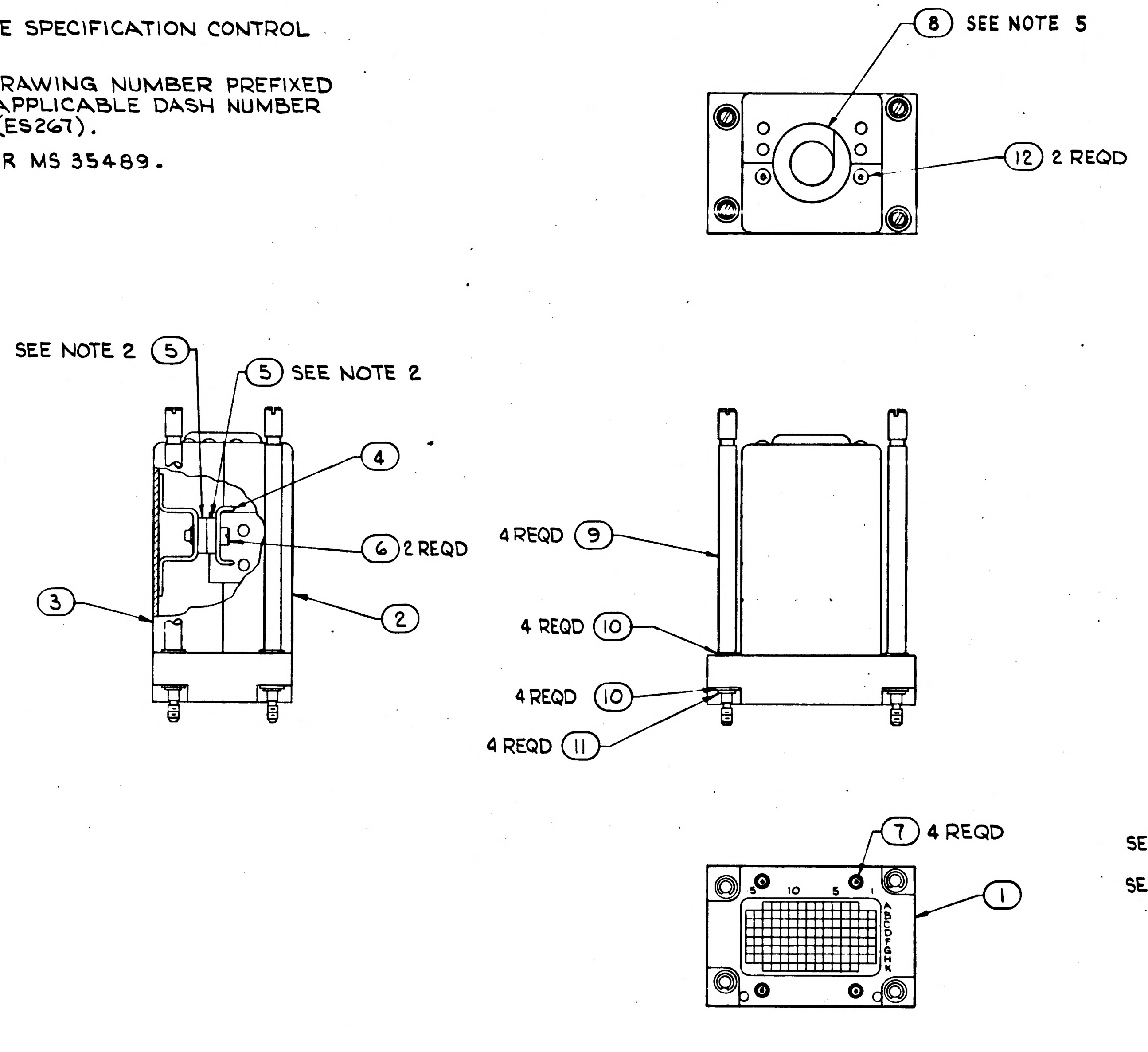
CODE IDENT NO. 99974
SIZE D
2900850
SCALE 1/1
SHEET 1 OF 1

C 2900850

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	G.O.R.
B		REVISED PER TDRR-26741		8 MAR 66	B
C		REVISED PER TDRR 27712		13 APR 66	



SEE NOTE 3	2		12	1006783-19	SCREW
SEE NOTE 3	4		11	MS16633-4015	RING, RETAINING
	8		10	1897324-002	WASHER
	4		9	2900676-2	SCREW, JACK
	1		8	MS35489-17	GROMMET
	4		7	1017418-11	SCREW
	2		6	2901022-003	SCREW, SHOULDER
	2		5	2900580-007	GASKET
	1		4	2900711-007	CLAMP, MOVABLE
	1		3	2900848	SHELL, CLAMP (INSEP ASSY)
	1		2	2900849	SHELL, COVER (INSEP ASSY)
	1		1	2900878	BASE, CONNECTOR
QUANTITY REQUIRED	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS + — ANGLES + —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN S. Agne DATE 6 OCT 65
CHECKED 11 OCT 65
APPROVAL R. Foss 13 OCT 65
APPROVAL 12/20
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 112 PIN (GSE, OPTICS-J5)

CODE IDENT NO. 99974
SIZE D
2900850
SCALE 1/1
SHEET 1 OF 1

H. Erickson 13 OCT 65

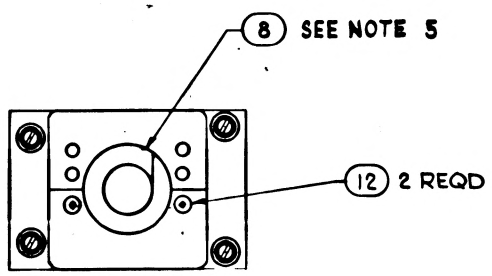
MIL 10780-P

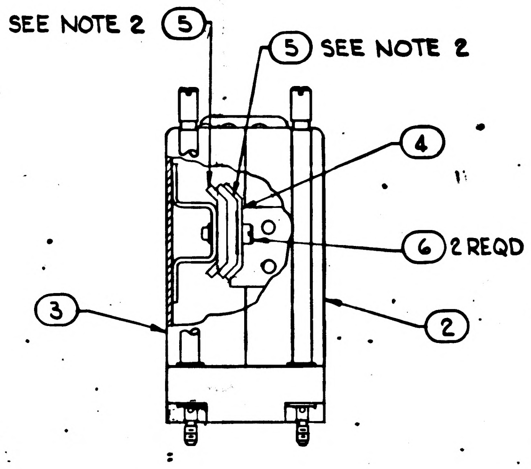
D 2900850

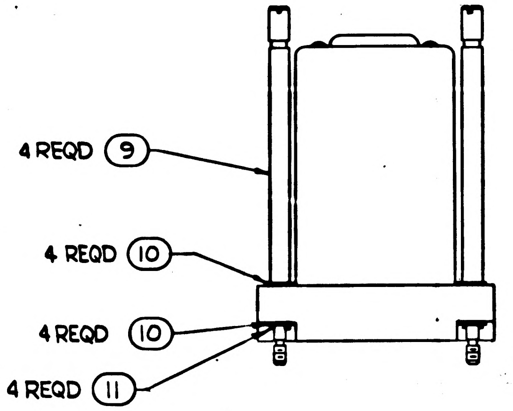
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	G.O.R
B		REVISED PER TDRR-26741		8 MAR 66	B
C		REVISED PER TDRR 27712		13 APR 66	J.H.P.
D		REVISED PER TDRR 33248		24 MAR 67	NRG RCB

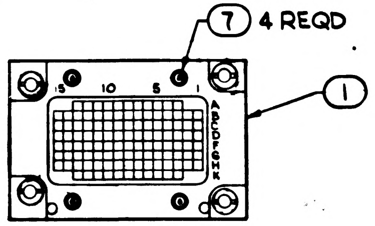
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151 USING ITEM ⑬.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				AR		13	MIL-A-5092	TYPE II, ADHESIVE
SEE NOTE 3				2		12	1006783-19	SCREW
				4		11	MS171433	PIN
SEE NOTE 3				8		10	1897324-002	WASHER
				4		9	2901508	SCREW, EXTERNALLY RELIEVED BODY
				1		8	MS35489-17	GROMMET
				4		7	1017418-11	SCREW
				2		6	2901022-003	SCREW, SHOULDER
				2		5	2901590-007	GASKET
				1		4	2901591-007	CLAMP, MOVABLE
				1		3	2900848	SHELL, CLAMP (INSEP ASSY)
				1		2	2900849	SHELL, COVER (INSEP ASSY)
				1		1	2900878	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN S. Agne DATE 6 OCT 65
CHECKED 11 OCT 65
APPROVAL R. Foss 13 OCT 65
APPROVAL C Snerling 12/20
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG,
ELECTRICAL - 112 PIN
(GSE, OPTICS-J5)

CODE IDENT NO. 99974
SIZE D
2900850
SCALE 1/1
SHEET 1 OF 1

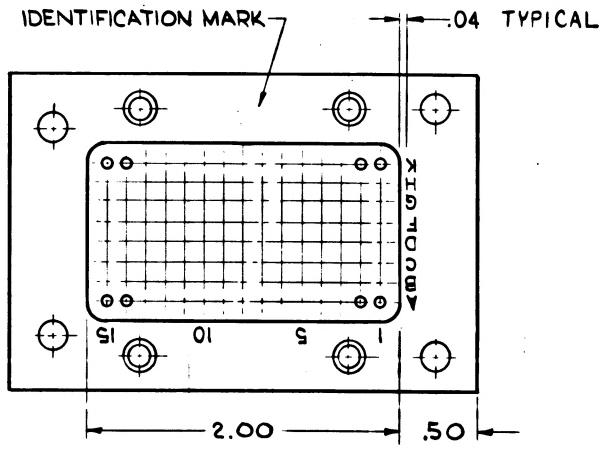
H. Erickson 13 OCT 65

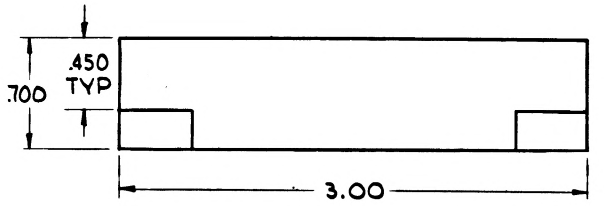
A 2900851

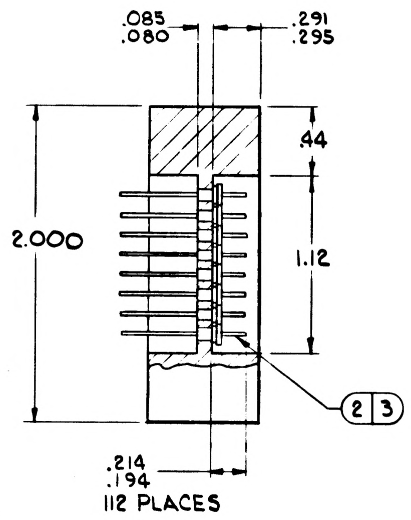
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24		13 DEC 65	JAC

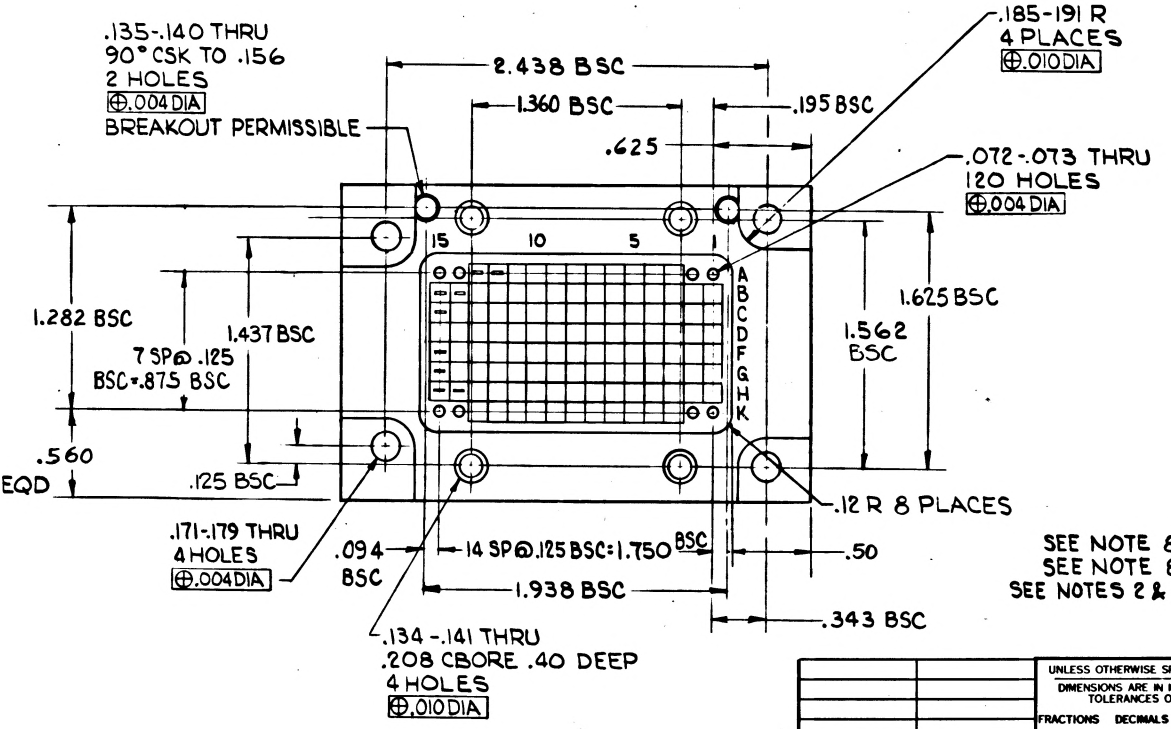
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T651 AL ALY, (6061, ES2106).
3. FINISH: MIL-A-8625, TYPE I (ANODIZE, ES385)
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
5. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
6. MUST BE FREE FROM BURRS.
7. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS TO BE .010 R OR CHAMFER
   B. SURFACE ROUGHNESS NOT TO EXCEED 125/
8. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
9. *THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS AT THE RATE OF ONE POUND PER SECOND.*


IDENTIFICATION MARK
.04 TYPICAL
A B C D E F G H K
15
10
5
1
2.00
.50


.700
.450 TYP
3.00


.085
.080
.291
.295
.44
2.000
1.12
.214
.194
112 PLACES


.135-.140 THRU
90° CSK TO .156
2 HOLES
⊕.004 DIA
BREAKOUT PERMISSIBLE
2.438 BSC
1.360 BSC
.195 BSC
.625
.185-.191 R
4 PLACES
⊕.010 DIA
.072-.073 THRU
120 HOLES
⊕.004 DIA
15
10
5
1
A
B
C
D
E
F
G
H
K
1.282 BSC
1.437 BSC
7 SP @ .125
BSC = .875 BSC
1.625 BSC
1.562
BSC
.560
.125 BSC
2 3 112 REQD
.12 R 8 PLACES
.171-.179 THRU
4 HOLES
⊕.004 DIA
.094
BSC
14 SP @ .125 BSC = 1.750 BSC
.50
1.938 BSC
.343 BSC
.134-.141 THRU
.208 CBORE .40 DEEP
4 HOLES
⊕.010 DIA

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 8	3	112	1897262-002	CONTACT, ELECTRICAL-MALE
SEE NOTE 8	2	112	1897264	INSULATOR, BUSHING-MALE
SEE NOTES 2 & 3	1	1	2900851-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900879-011	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + − DECIMALS ±.005 ±.02 ANGLES + −
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN S. Agne DATE 6 OCT 65
CHECKED 3 OCT 65
APPROVAL 13 OCT 65
APPROVAL C
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

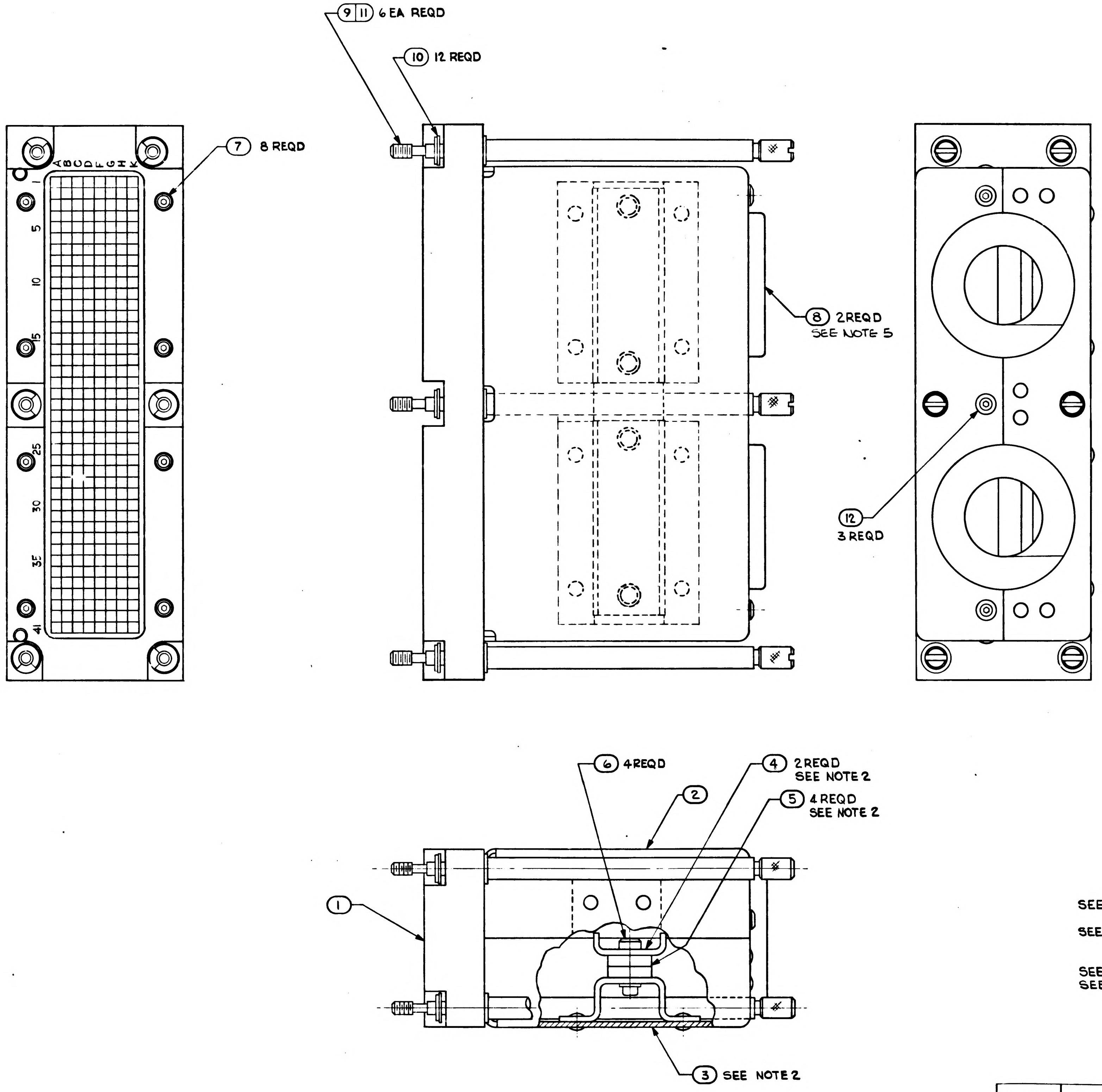
CODE IDENT NO. 99974
SIZE D
2900851
SCALE 2/1
SHEET OF 1

G. Erickson 13 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND 2 EACH OF ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 207209		DEC 65	
	B	INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	



				011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3				3		12	1006783-19	SCREW, BUTTON HEAD
				6		11	MS16633-4015	RING, RETAINING "E"
SEE NOTE 3				12		10	1897324-002	WASHER, FLAT
				6		9	2900676-002	SCREW, JACK
				2		8	MS35489-22	GROMMET, RUBBER
SEE NOTE 3				8		7	10174 8-11	SCREW, CAP, SOC. HD.
SEE NOTE 3				4		6	1017429-4	SCREW, SHOULDER
				4		5	2900580-003	GASKET
				2		4	29007 -003	CLAMP, MOVABLE
				1		3	2900852	SHELL, CLAMP (NSEP ASSY)
				1		2	2900853	SHELL, COVER (NSEP ASSY)
				1		1	2900838	BASE, CONNECTOR
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-0	-0
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.A. Belan DATE 3 OCT 65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, PLUG,
ELECTRICAL - 328 PIN
[illegible]

CODE IDENT NO 99974
SIZE E
2900854
SCALE 2:1
SHEET OF

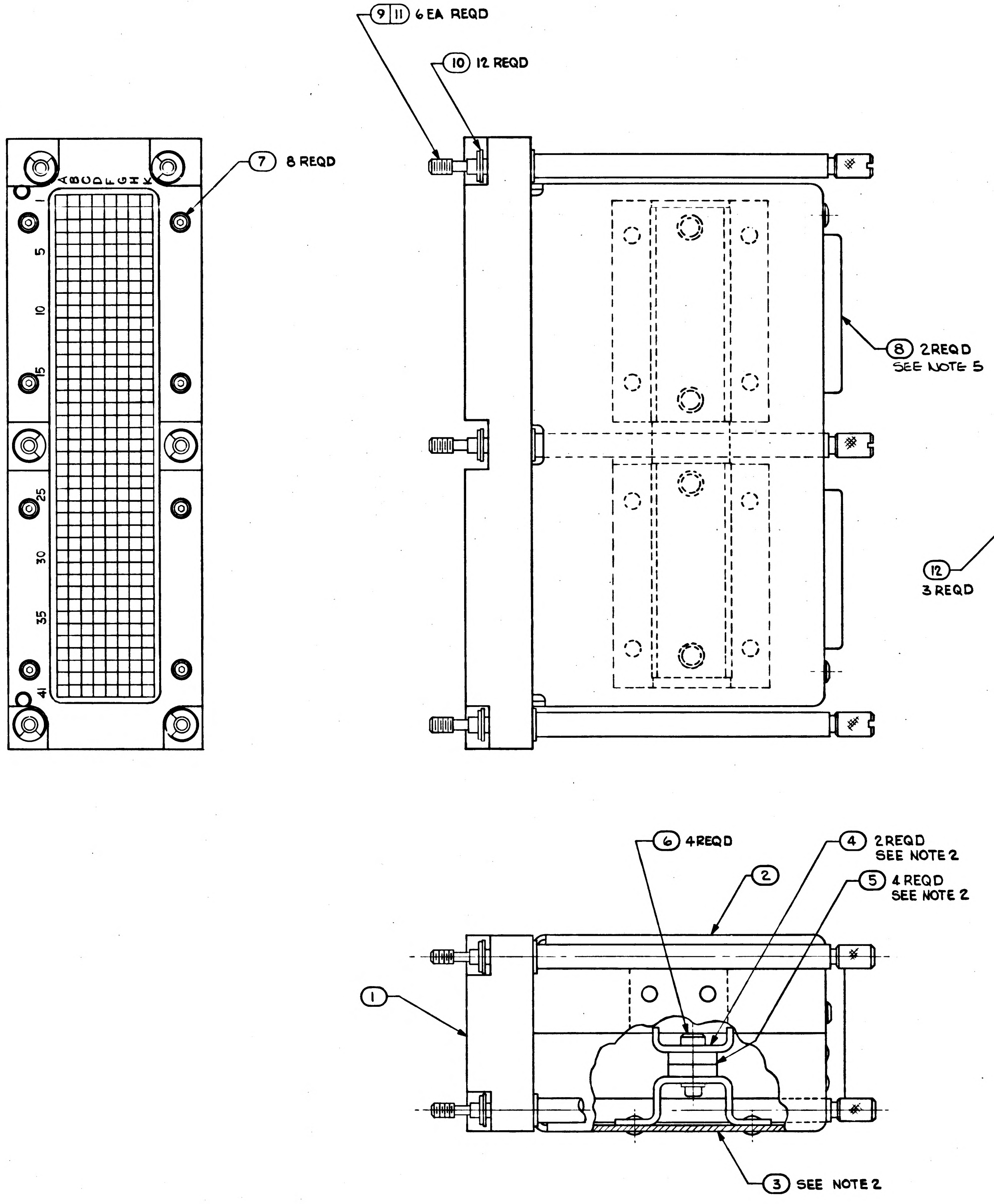
Erickson 3 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND 2 EACH OF ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 207209		DEC 65	
	B	INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	GOR
	C	REVISED PER TDRR 27649		5 APR 66	



	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3	3		12	1006783-19	SCREW, BUTTON HEAD
	6		11	MS16633-4015	RING, RETAINING "E
SEE NOTE 3	12		10	1897324-002	WASHER, FLAT
	6		9	2900676-002	SCREW, JACK
	2		8	MS35489-22	GROMMET, RUBBER
SEE NOTE 3	8		7	1017418-11	SCREW, CAP, SOC. HD.
	4		6	2901022-004	SCREW, SHOULDER
	4		5	2900580-003	GASKET
	2		4	2900711-003	CLAMP, MOVABLE
	1		3	2900852	SHELL, CLAMP (INSEP ASSY)
	1		2	2900853	SHELL, COVER (INSEP ASSY)
	1		1	2900838	BASE, CONNECTOR

QUANTITY REQUIRED — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.K. Becker DATE 5 OCT 65
CHECKED 3 OCT 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG,
ELECTRICAL - 328 PIN
(GSE, A8C-C[illegible])

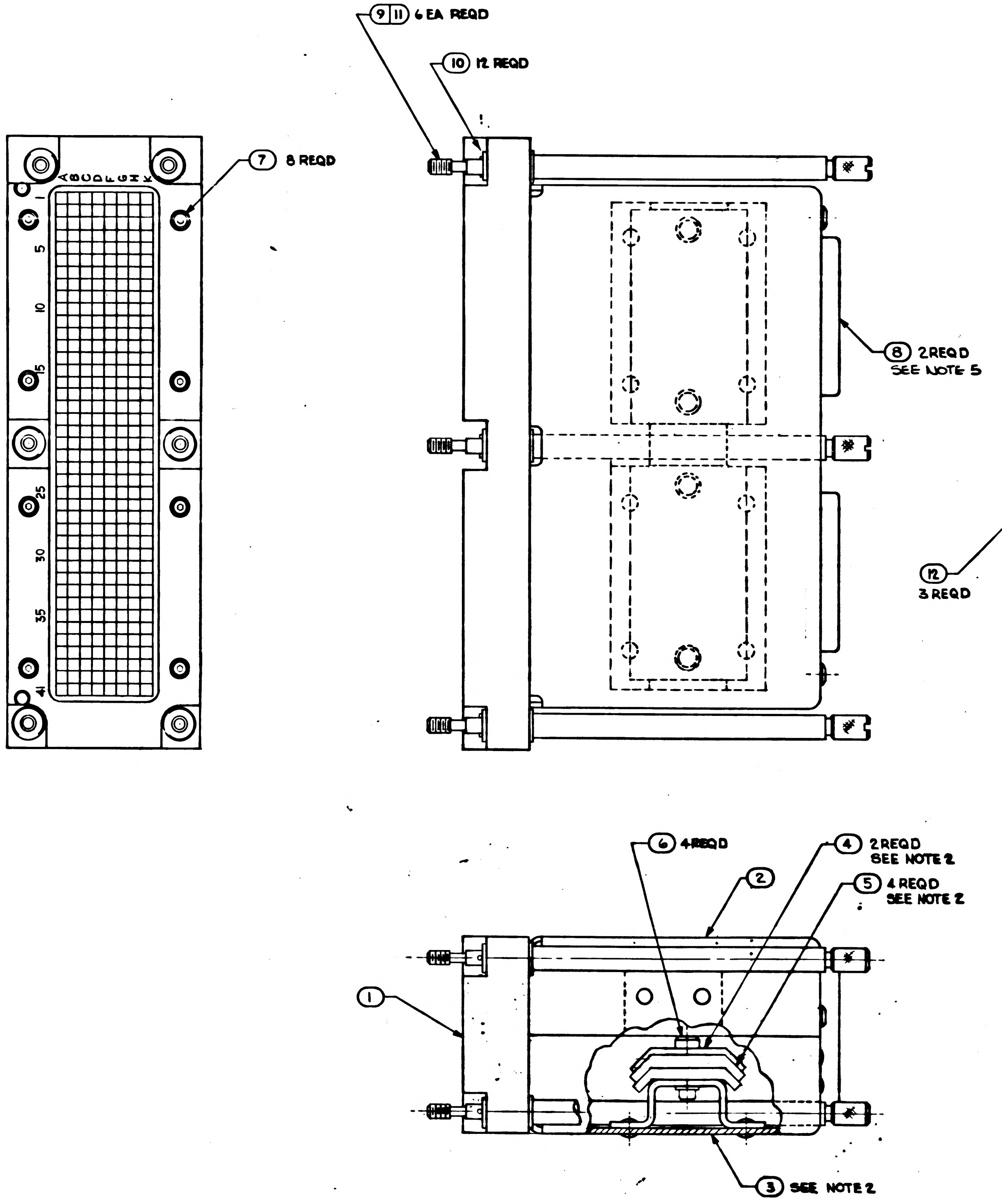
CODE IDENT NO. 99974
SIZE E
2900854
SCALE 2:1
SHEET OF

H. Erickson 3 OCT 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151 USING ITEM ⑬.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (E8267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 207809		DEC 65	EF
	B	INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	GOR
	C	REVISED PER TDRR		5 APR 66	EF
	D	REVISED PER TDRR 33249		67	ECB



SEE NOTE 3

SEE NOTE 3

SEE NOTE 3

QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011				
			AR		13	MIL-A-5092	TYPE II, ADHESIVE
			3		12	1006783-19	SCREW, BUTTON HEAD
			6		11	MS171533	PIN
			12		10	1897324-002	WASHER, FLAT
			6		9	2901506	SCREW, EXTERNALLY RELIEVED BODY
			2		8	MS35489-22	GROMMET, RUBBER
			8		7	1017418-11	SCREW, CAP, SOC. HD.
			4		6	2901022-004	SCREW, SHOULDER
			4		5	2901590-003	GASKET
			2		4	2901591-003	CLAMP, MOVABLE
			1		3	2900852	SHELL, CLAMP (NSEP ASSY)
			1		2	2900853	SHELL, COVER (NSEP ASSY)
			1		1	2900838	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ± ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN E.M. Bibler DATE 5 OCT 65
CHECKED 3 OCT 65
APPROVAL 13 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 328 PIN (GSE, AGC-CDU, J-4)

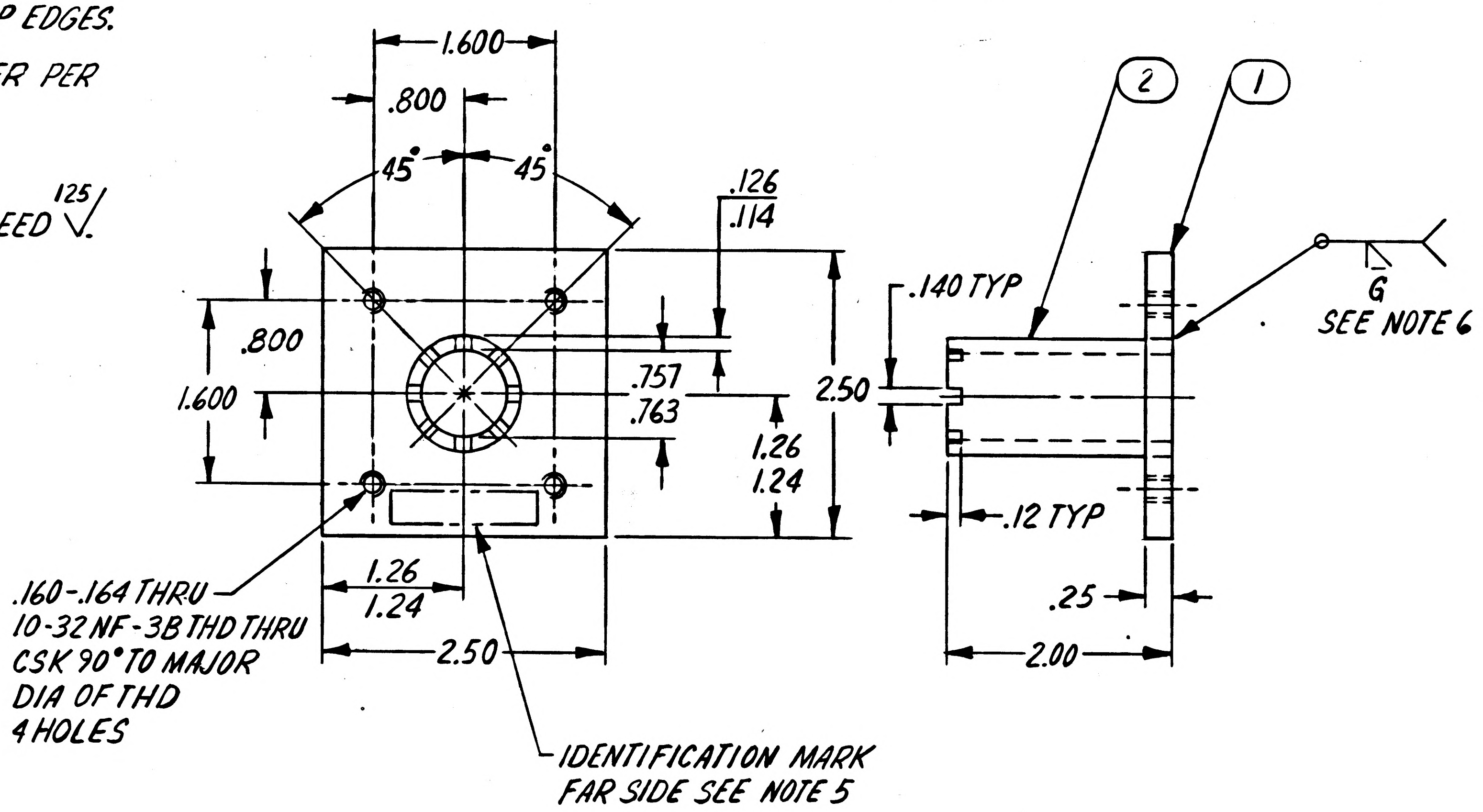
CODE IDENT NO. 99974
SIZE E
2900854
SCALE 2:1
SHEET

L. Erickson 13 OCT 65

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 25298		16 DEC 65	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   A. ASTM STD A 269, GRADE TP 304L (ES7391-1 SST SEAMLESS).
   B. QQ-S-766, CLASS 304L, COND A (ES7391-1 SST).
3. FINISH: MIL-F-14072 (SIG C) FINISH E300 (ES 585 PASSIVATE).
4. MUST BE FREE FROM BURRS & SHARP EDGES.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
6. WELD PER MIL-W-8611 (ES2526).
7. SURFACE ROUGHNESS MUST NOT EXCEED $\sqrt{}^{125}$



1.600
.800
45°
45°
.126
.114
.800
1.600
.757
.763
2.50
1.26
1.24
1.26
1.24
2.50
.160-.164 THRU
10-32 NF-3B THD THRU
CSK 90° TO MAJOR
DIA OF THD
4 HOLES
IDENTIFICATION MARK
FAR SIDE SEE NOTE 5
2
1
.140 TYP
G
SEE NOTE 6
.12 TYP
.25
2.00

SEE NOTE 2A	2	1	2900855-002	TUBE
SEE NOTE 2B	1	1	2900855-001	BASE
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

6900007-011	6900007-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ ___	±.005	+ 1°
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN J. Kelvinger DATE 13 OCT 65
CHECKED C. Pioda 14 OCT 65
APPROVAL R.H. Stuhling 14 OCT 65
APPROVAL 1-5-66

NASA APPROVAL A. C. METZGER

MIT APPROVAL 12 Jan 66

Chamberlain 14 OCT 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SUPPORT, POST
(INSEPARABLE ASSEMBY)

CODE IDENT NO. 99974 SIZE C 2900855

SCALE FULL SHEET 1 OF 1

MIL 1077C-P

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 24042	20 OCT 65	RLP CW

APPLICATION

NEXT ASSY	USED ON
2900060-011	2900060-01

Charleston 8 OCT. 65

REV	A	A	A	A	A
SHEET	1	2	3	4	5	6

REV STATUS OF SHEETS

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Quirk 28 SEP 65
CHECKED J. GRIBB 6 OCT 65
APPROVAL 8 OCT 65
APPROVAL L. Gehman
A. C. METZGER
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL -
W.195

CODE IDENT NO. 99974 SIZE A 2900860 REV A
SCALE — SHEET 1 OF 6

CABLE ASSEMBLY W195 2900860 A

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.

4 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS.

5 GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING FURNISHED PLUGS AND ITEM 8.

6 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER. ITEM TO BE CENTRALIZED.

7 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

8 ASSEMBLE PER ND 1002032.

9 GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEM 9

10 WRAP CABLE IN AREA UNDER STRAIN RELIEF CLAMP USING ITEM 7 TO INSURE PROPER CLAMPING.

11 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS — SIZE A — 2900860
SCALE-NONE — REV LTR A — SHEET 2 OF 6

MIL 2084 4-63

CABLE ASSEMBLY W195 2900860 A

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS — SIZE A — 2900860
SCALE-NONE — REV LTR A — SHEET 3 OF 6

MIL 2084 4-63

CABLE ASSEMBLY W195 2900860 A

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900860-001	WIRE PER ND1002181, CLASS 1, TYPE 1, 22AWG, WHT, 13 FT 6 INCHES TOTAL LENGTH
11	2	1	1897247-014	CONNECTOR, RECEPTACLE, ELECTRICAL (CRIMP TYPE)
11	3	1	1010933-101	CLAMP, CABLE
11	4	1	1897366-001	CONNECTOR, PLUG, ELECTRICAL (CRIMP TYPE)
	5	1	2900860-002	TUBING, MODIFIED PVC, SHRINKFIT 1016197-006 1 FT 6 INCHES TOTAL LENGTH
	6	1	2900860-003	TUBING, MODIFIED PVC, SHRINKFIT 1016197-007 9 INCHES TOTAL LENGTH
	7	AR	MIL-I-15126 TYPE ACT	TAPE, ADHESIVE, ELECTRICAL-TYPE C .25 IN. WIDTH (ES2716-4)
11	8	7	1010958-001	PLUG, PROTECTIVE
11	9	52	1897192	PLUG, PROTECTIVE
11	10	1	1897375-002	CLAMP, ~~CABLE~~ STRAIN RELIEF
11	11	X	1897190- 2	CONTACT, ELECTRICAL-SOCKET TYPE (FURNISHED WITH ITEM 2)
11	12	X	1897213-001	CONTACT, ELECTRICAL-SOCKET TYPE (FURNISHED WITH ITEM 4)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS — SIZE A — 2900860
SCALE-NONE — REV LTR A — SHEET 4 OF 6

MIL 2084 4-63

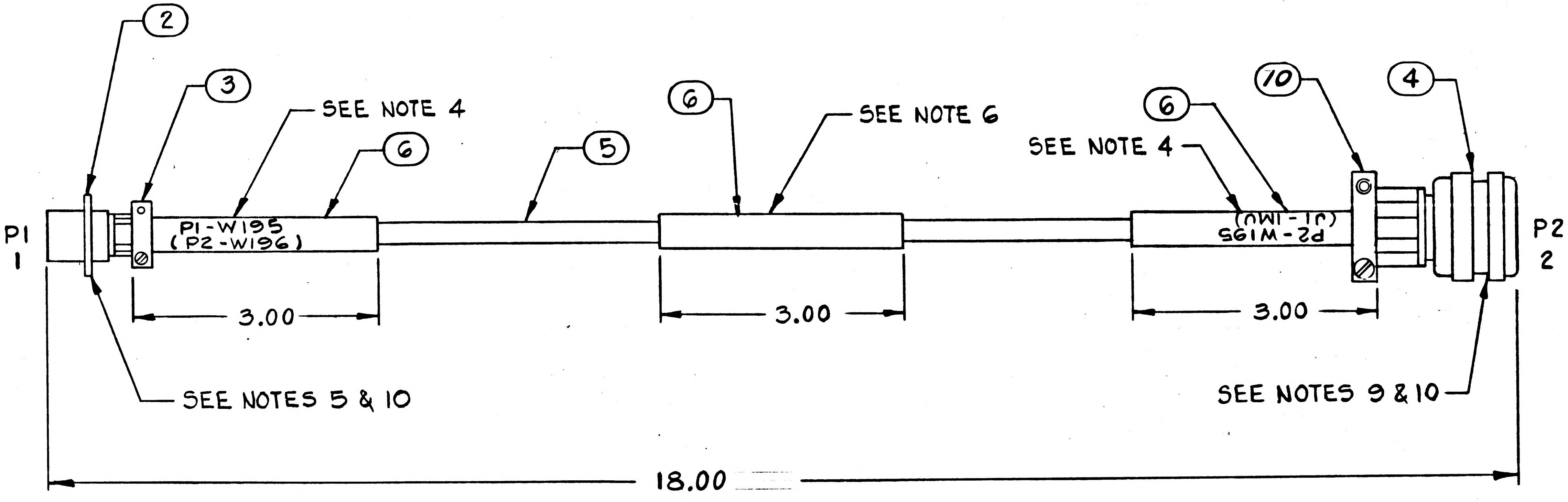
CABLE ASSEMBLY W195 2900860 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-5 P2-14	1 2				.20 .20	NO NO		11 12	
A	2	1	P1-15 P2-15	1 2				.20 .20	NO NO		11 12	
A	3	1	P1-14 P2-16	1 2				.20 .20	NO NO		11 12	
A	4	1	P1-13 P2-17	1 2				.20 .20	NO NO		11 12	
A	5	1	P1-4 P2-18	1 2				.20 .20	NO NO		11 12	
A	6	1	P1-2 P2-6	1 2				.20 .20	NO NO		11 12	
A	7	1	P1-3 P2-7	1 2				.20 .20	NO NO		11 12	
A	8	1	P1-9 P2-8	1 2				.20 .20	NO NO		11 12	
A	9	1	P1-10 P2-9	1 2				.20 .20	NO NO		11 12	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900860
SCALE-NONE	REV LTR A	SHEET 5 OF 6

MIL 2064 4-63

REVISIONS					
ZONE	LTR	DESCRIPTION 24042	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



2
3
SEE NOTE 4
6
5
6
SEE NOTE 6
SEE NOTE 4
6
10
4
P1
1
P1-W195
(P2-W196)
P2-W195
(J1-IMU)
P2
2
3.00
3.00
3.00
SEE NOTES 5 & 10
SEE NOTES 9 & 10
18.00

2900060-011	2900060-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.25 ANGLES ±—
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Orsel DATE 28 SEP 65
CHECKED J. GRIEB 6 OCT 65
APPROVAL J R Whitoman 8 OCT 65
APPROVAL C Feldman 10/20/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL W Cupfer 10/20/65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL —
W195

CODE IDENT NO. 99974
SIZE C
2900860
SCALE FULL
SHEET 6 OF 6

APPLICATION

NEXT ASSY	USED ON
2900060-011	2900060-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 24042	20 OCT 65	RLP CW

Chaleston 8 OCT 65

REV						
SHEET						
REV STATUS	REV	A	A	A	A	A
OF SHEETS	SHEET	1	2	3	4	5	6

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN J. GRIEBO 28 SEP 65 DATE
CHECKED 6 OCT 65
I R WHITEMAN 8 OCT 65
APPROVAL
APPROVAL 10/21/65

NASA APPROVAL A. C. METZGER
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL — W 196

CODE IDENT NO. 99974 SIZE A 2900861 REV A

SCALE — SHEET 1 OF 6

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.
4	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
5	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING FURNISHED PLUGS AND ITEM 9.
6	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
7	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER. ITEM TO BE CENTRALIZED.
8	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
9	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
10	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING FURNISHED PLUGS AND ITEM 10.
11	WRAP CABLE IN AREA UNDER STRAIN RELIEF CLAMP USING ITEM 8 TO INSURE PROPER CLAMPING.
12	ASSEMBLE PER ND 1002032.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900861
SCALE-NONE | REV LTR A | SHEET 2 OF 6

MIL 2064 4-63

GENERAL NOTES

NOTE NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900861
SCALE-NONE | REV LTR A | SHEET 3 OF 6

MIL 2064 4-63

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900861-001	WIRE PER ND1002181, CLASS 1, TYPE 1, 22AWG, WHITE, 165 FT TOTAL LENGTH
	2	1	MS3126F18-32P	(1897125-320) CONNECTOR, PLUG, ELECTRICAL
9	3	1	1897250-014	CONNECTOR, PLUG, ELECTRICAL
9	4	1	1010933-101	CLAMP, CABLE
	5	1	2900861-002	TUBING, MODIFIED PVC, SHRINKFIT 1016197-006 16.50 FT TOTAL LENGTH
9	6	1	1016282- 18	GROMMET, CONNECTOR STRAIN RELIEF
	7	1	2900861-003	TUBING, MODIFIED PVC, SHRINKFIT 1016197-007 12 INCHES TOTAL LENGTH
	8	AR	MIL-I-15126 TYPE ACT	TAPE, ADHESIVE, ELECTRICAL-TYPE C .25 INCH WIDTH (ES2716-4)
9	9	16	1897370-001	PLUG, END SEAL
9	10	5	1010958-001	PLUG, PROTECTIVE
	11	X	MS3192A20A	(1896855-020) CONTACT, ELECTRICAL-PIN TYPE (FURNISHED WITH ITEM 2)
9	12	X	1897190- 1	CONTACT, ELECTRICAL-PIN TYPE (FURNISHED WITH ITEM 3)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900861
SCALE-NONE | REV LTR A | SHEET 4 OF 6

MIL 2064 4-63

CABLE ASSEMBLY W196 2900861 /A

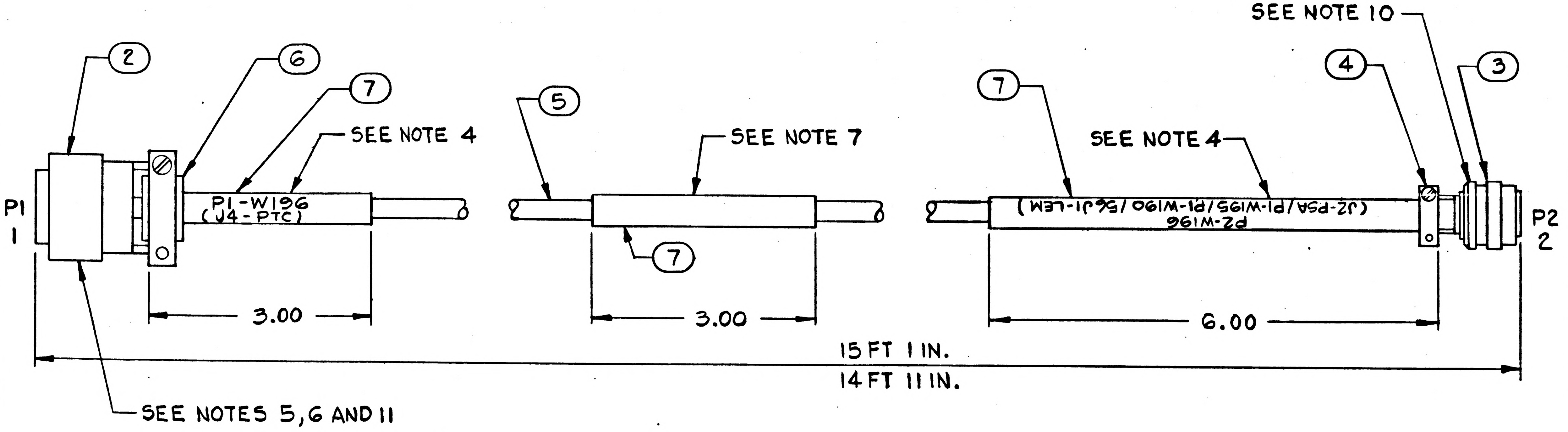
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-A	1				.20	NO		11	
			P2-11	2				.20	NO		12	
A	2	1	P1-B	1				.20	NO		11	
			P2-12	2				.20	NO		12	
A	3	1	P1-P	1				.20	NO		11	
			P2-5	2				.20	NO		12	
A	4	1	P1-S	1				.20	NO		11	
			P2-15	2				.20	NO		12	
A	5	1	P1-C	1				.20	NO		11	
			P2-14	2				.20	NO		12	
A	6	1	P1-G	1				.20	NO		11	
			P2-13	2				.20	NO		12	
A	7	1	P1-T	1				.20	NO		11	
			P2-4	2				.20	NO		12	
A	8	1	P1-H	1				.20	NO		11	
			P2-2	2				.20	NO		12	
A	9	1	P1-R	1				.20	NO		11	
			P2-3	2				.20	NO		12	
A	10	1	P1-L	1				.20	NO		11	
			P2-9	2				.20	NO		12	
A	11	1	P1-N	1				.20	NO		11	
			P2-10	2				.20	NO		12	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	SIZE A	2900861
SCALE-NONE	REV LTR /A	SHEET 5 OF 6

MIL 2064 4-63

REVISIONS 24042

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


SEE NOTE 10
2
6
7
SEE NOTE 4
5
SEE NOTE 7
7
SEE NOTE 4
4
3
P1
1
P1-W196
(J4-PTC)
7
(J2-PSA/P1-W195/P1-W190/56J1-LEM)
P2-W196
P2
2
3.00
3.00
6.00
15 FT 1 IN.
14 FT 11 IN.
SEE NOTES 5, 6 AND 11

2900060-011	2900060-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.25 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Orzel DATE 28 SEP 65
CHECKED J. GRIEB 6 OCT 65
APPROVAL J R Whiteman 8 OCT 65
APPROVAL Gelman 10/21/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL W Kupfer 16 Nov 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL —
W196

CODE IDENT NO. 99974
SIZE C
2900861
SCALE FULL
SHEET 6 OF 6

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 24042	20 OCT 65	RLP / CW

APPLICATION

NEXT ASSY	USED ON
2900060-01	2900[illegible]

REV	A	A	A	A	A	A	A
SHEET	1	2	3	4	5	6	7

REV STATUS OF SHEETS

8 Oct 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN

DRAWN 29 SEP 65
CHECKED 6 OCT 65
APPROVAL 8 OCT 65
APPROVAL 10/20/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL - W-197

CODE IDENT NO. 99974
SIZE A
2900862
REV A
SCALE —
SHEET 1 OF 7

NOTE GENERAL NOTES

NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 11 OR ITEMS 9 AND 10.
7	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING FURNISHED PLUGS AND ITEM 8.
8	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER. ITEM TO BE CENTRALIZED.
10	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
11	ASSEMBLE PER ND 1002032
12	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

NOTE GENERAL NOTES

NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900862-001	WIRE PER ND1002181, CLASS 1, TYPE 1, 20AWG 38 FT TOTAL LENGTH
	2	1	MS3126F18-32P	(1897125-320) CONNECTOR, PLUG, ELECTRICAL
12	3	1	1897344-251	CONNECTOR, PLUG, ELECTRICAL
12	4	1	1016282- 18	GROMMET, CONNECTOR STRAIN RELIEF
	5	1	AN3420-12A	(1897147-112) BUSHING-CABLE, ADAPTER
	6	1	2900862-002	TUBING, MODIFIED, PVC, SHRINKFIT 1016197-007 21 INCHES TOTAL LENGTH
	7	1	2900862-003	TUBING, MODIFIED, PVC, SHRINKFIT 1016197-008 11 INCHES TOTAL LENGTH
12	8	8	1897370-001	PLUG, END SEAL
	9	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	10	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	11	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	12	X	MS3192A20A	(1896855-020)CONTACT, ELECTRICAL-PIN TYPE(FURNISHED WITH ITEM 2)

CABLE ASSEMBLY W197 2900862 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-F	1				.20	NO		12	
			P2-X	2				.25	YES			
A 14	1		P1-H	1				.20	NO		12	
			P2-L	2				.25	YES			
A 15	1		P1-R	1				.20	NO		12	
			P2-V	2				.25	YES			
A 16	1		P1-L	1				.20	NO		12	
			P2-K	2				.25	YES			
A 17	1		P1-N	1				.20	NO		12	
			P2-U	2				.25	YES			
A 18	1		P1-D	1				.20	NO		12	
			P2-I	2				.25	YES			
A 19	1		P1-U	1				.20	NO		12	
			P2-W	2				.25	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

2900862

SCALE-NONE
REV LTR A
SHEET 6 OF 7

MIL 2064 4-63

CABLE ASSEMBLY W197 2900862 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		P1-A	1				.20	NO		12	
			P2-E*	2				.25	YES			
A 2	1		P1-B	1				.20	NO		12	
			P2-D*	2				.25	YES			
A 3	1		P1-J	1				.20	NO		12	
			P2-Y	2				.25	YES			
A 4	1		P1-V	1				.20	NO		12	
			P2-T	2				.25	YES			
A 5	1		P1-W	1				.20	NO		12	
			P2-C*	2				.25	YES			
A 6	1		P1-P	1				.20	NO		12	
			P2-E	2				.25	YES			
A 7	1		P1-S	1				.20	NO		12	
			P2-B	2				.25	YES			
A 8	1		P1-K	1				.20	NO		12	
			P2-A	2				.25	YES			
A 9	1		P1-C	1				.20	NO		12	
			P2-A*	2				.25	YES			
A 10	1		P1-G	1				.20	NO		12	
			P2-D	2				.25	YES			
A 11	1		P1-T	1				.20	NO		12	
			P2-C	2				.25	YES			
A 12	1		P1-E	1				.20	NO		12	
			P2-J	2				.25	YES			

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

SIZE A

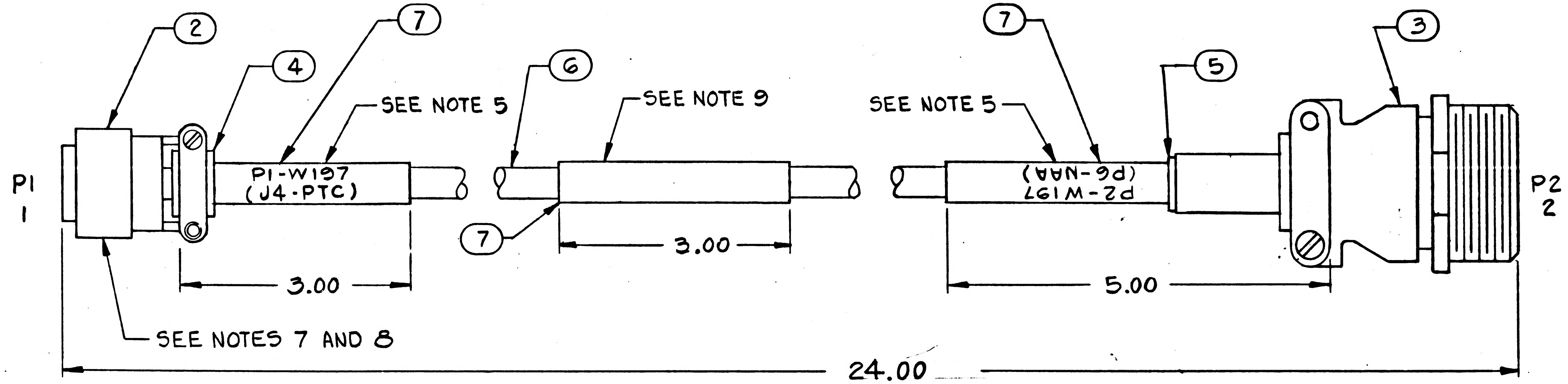
2900862

SCALE-NONE
REV LTR A
SHEET 5 OF 7

MIL 2064 4-63

REVISIONS 24042

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


P1
1
2
4
7
SEE NOTE 5
P1-W197
(J4-PTC)
3.00
SEE NOTES 7 AND 8
6
SEE NOTE 9
7
3.00
7
SEE NOTE 5
P2-W197
(P6-NAA)
5
3
5.00
P2
2
24.00

2900060-011	2900060-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.25 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Orzel DATE 29 SEP 65
CHECKED J. GRIEB 6 OCT 65
APPROVAL D. Silverman 8 OCT 65
APPROVAL L Gedimon 10/20/65
NASA APPROVAL A. C. METZGER
MIT APPROVAL Nov 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL —
W 197

CODE IDENT NO. 99974
SIZE
2900862
SCALE FULL
SHEET 7 OF 7

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 11 OR ITEMS 9 AND 10.
7	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING FURNISHED PLUGS AND ITEM 8.
8	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER. ITEM TO BE CENTRALIZED.
10	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
11	ASSEMBLE PER ND 1002032
12	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

SIZE	CODE IDENT NO.	
A	99974	2900862
SCALE-NONE	REV LTR B	SHEET 2 OF 7

NOTE NUMBER — GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900862
SCALE-NONE	REV LTR B	SHEET 3 OF 7

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900862-001	WIRE PER ND1002181, CLASS 1, TYPE 1, 20AWG 38 FT TOTAL LENGTH
	2	1	MS3126F18-32P	(1897125-320) CONNECTOR, PLUG, ELECTRICAL
12	3	1	1897344-251	CONNECTOR, PLUG, ELECTRICAL
12	4	1	1016282- 18	GROMMET, CONNECTOR STRAIN RELIEF
	5	1	AN3420-12A	(1897147-112) BUSHING-CABLE, ADAPTER
	6	1	2900862-002	TUBING, MODIFIED, PVC, SHRINKFIT 1016197-007 21 INCHES TOTAL LENGTH
	7	1	2900862-003	TUBING, MODIFIED, PVC, SHRINKFIT 1016197-008 11 INCHES TOTAL LENGTH
12	8	8	1897370-001	PLUG, END SEAL
	9	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	10	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	11	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
	12	X	MS3192A20A	(1896855-020)CONTACT, ELECTRICAL-PIN TYPE(FURNISHED WITH ITEM 2)

SIZE	CODE IDENT NO.	
A	99974	2900862
SCALE-NONE	REV LTR B	SHEET 4 OF 7

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1	P1-A P2-E*	1 2				.20 .25	NO YES		12	
A	2	1	P1-B P2-D*	1 2				.20 .25	NO YES		12	
A	3	1	P1-J P2-Y	1 2				.20 .25	NO YES		12	
A	4	1	P1-V P2-T	1 2				.20 .25	NO YES		12	
A	5	1	P1-W P2-C*	1 2				.20 .25	NO YES		12	
A	6	1	P1-P P2-E	1 2				.20 .25	NO YES		12	
A	7	1	P1-S P2-A	1 2				.20 .25	NO YES		12	
A	8	1	P1-K P2-B	1 2				.20 .25	NO YES		12	
A	9	1	P1-C P2-A*	1 2				.20 .25	NO YES		12	
A	10	1	P1-G P2-D	1 2				.20 .25	NO YES		12	
A	11	1	P1-T P2-C	1 2				.20 .25	NO YES		12	
A	12	1	P1-E P2-J	1 2				.20 .25	NO YES		12	

SIZE	CODE IDENT NO.	
A	99974	2900862
SCALE-NONE	REV LTR B	SHEET 5 OF 7

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P1-F	1				.20	NO		12	
			P2-X	2				.25	YES			
A 14	1		P1-H	1				.20	NO		12	
			P2-L	2				.25	YES			
A 15	1		P1-R	1				.20	NO		12	
			P2-V	2				.25	YES			
A 16	1		P1-L	1				.20	NO		12	
			P2-K	2				.25	YES			
A 17	1		P1-N	1				.20	NO		12	
			P2-U	2				.25	YES			
A 18	1		P1-D	1				.20	NO		12	
			P2-I	2				.25	YES			
A 19	1		P1-U	1				.20	NO		12	
			P2-W	2				.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900862
SCALE-NONE	REV LTR B	SHEET 6 OF 7

APPLICATION

NEXT ASSY	USED ON
1900030	1900030

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER D.O. 61248	22 NOV 65	J.K. W.S.
B	REVISED PER MXC 207537	13 DEC 65	RLP E.F.
C	INITIAL RELEASE CLASS A PER TDRR 27656	17 MAR 66	WK DM

Charleston
3 OCT 65

REV STATUS OF SHEETS							
REV	C	C	C	C	C	C	C
SHEET	1	2	3	4	5	6	7

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN J. GRIEB 30 SEP 65
CHECKED Ogel 6 OCT 65
APPROVAL JR Whiteman 8 Oct 65
APPROVAL J. M. Walton 3-23-66

NASA APPROVAL A. C. METZGER
MIT APPROVAL
CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL – W-198

CODE IDENT NO. 99974
SIZE A
2900863
REV C
SCALE —
SHEET 1 OF 7

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 10 OR ITEMS 8 AND 9.
7	GROMMET HOLES WITHOUT LEADS SHALL BE SEALED USING ITEM 7.
8	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER. ITEM TO BE CENTRALIZED.
9	SERIALIZE PER ND 1002023
10	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
11	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
12	ASSEMBLE PER ND 1002032.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 2900863
SCALE-NONE REV LTR C

GENERAL NOTES

NOTE NUMBER DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 2900863
SCALE-NONE REV LTR C

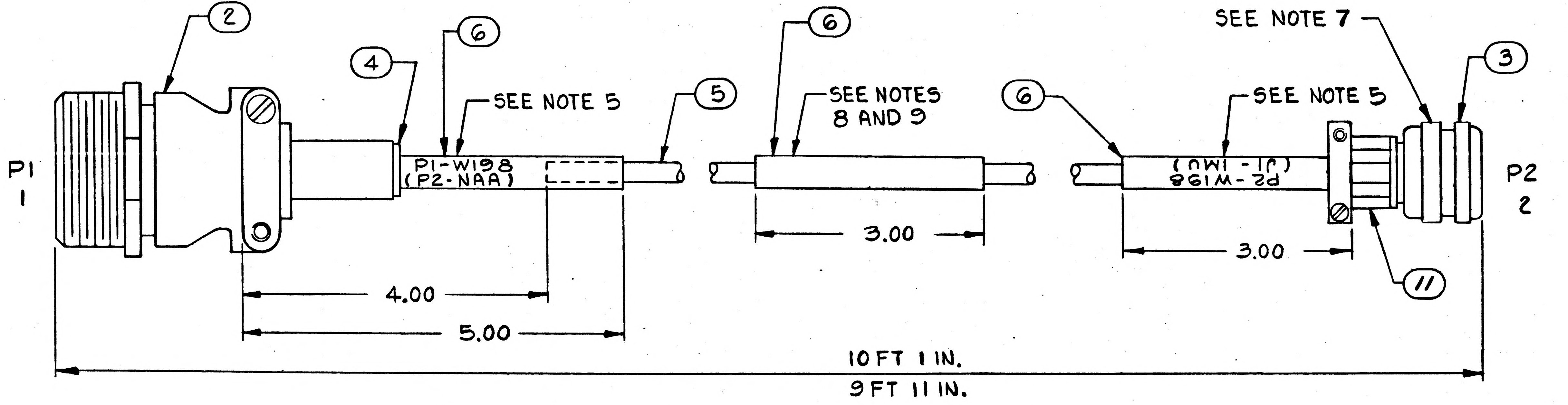
LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900863-001	WIRE PER ND1002181, CLASS 1, TYPE 1, 22AWG 93 FT TOTAL LENGTH
11	2	1	1897343-251	CONNECTOR, PLUG, ELECTRICAL
11	3	1	1897366-001	CONNECTOR, PLUG, ELECTRICAL
	4	1	AN3420-12A	(1897147-112) BUSHING-CABLE, ADAPTER
	5	1	2900863-002	TUBING, MODIFIED PVC, SHRINKFIT 1016197-006 10 FT TOTAL LENGTH
	6	1	2900863-003	TUBING, MODIFIED PVC, SHRINKFIT 1016197-007 11 INCHES TOTAL LENGTH
11	7	52	1897192	PLUG, PROTECTIVE
	8	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	9	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	10	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
11	11	1	1897375-002	CLAMP, ~~CABLE~~ STRAIN RELIEF
11	12	X	1897213-003	CONTACT, ELECTRICAL(FURNISHED WITH ITEM 3)

MANNED SPACECRAFT CENTER HOUSTON, TEXAS
SIZE A 2900863
SCALE-NONE REV LTR C

REVISIONS TDRR 27656

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


P1
1
②
④
⑥
SEE NOTE 5
P1-W198
(P2-NAA)
⑤
⑥
SEE NOTES 8 AND 9
⑥
SEE NOTE 5
(J1-IMU)
P2-W198
SEE NOTE 7
③
P2
2
⑪
4.00
5.00
3.00
3.00
10 FT 1 IN.
9 FT 11 IN.

1900030	1900030
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.25 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Orsel DATE 30 SEP 65
CHECKED J. GRIEB 6 OCT 65
APPROVAL J R Whiteman 9 OCT 65
APPROVAL J. M. Watson 3-23-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL —
W198

CODE IDENT NO. 99974
SIZE C
2900863
SCALE FULL
SHEET 7 OF 7

MIL-1068D D

APPLICATION	
NEXT ASSY	USED ON
2900867-011	2900024-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REV. PER MXC-206305	10-21-65	RR/ CW
B	INITIAL RELEASE CLASS A PER TDRR 23557	21 OCT 65	OKD / CW

REV STATUS OF SHEETS	REV	B	B	B	B	B	B	B	B
	SHEET	1	2	3	4	5	6	7	8

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Weisert DATE 7-OCT-65
CHECKED 19 OCT 65
APPROVAL 19 OCT 65
APPROVAL Baron 19 OCT 65
APPROVAL 10-22-65

NASA APPROVAL
MIT APPROVAL

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

LEAD SET A-A
LIMIT CYCLE LOAD ASSEMBLY

CODE IDENT NO. 99974
SIZE A
2900864
REV B

SCALE —
SHEET 1 OF

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 5 OR ITEMS 3 AND 4.
4	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE-NONE	REV LTR + B	SHEET 2 OF 8

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900864-001	WIRE, PER ND1002181, TYPE 1, 24 AWG, COLOR WHITE, 36.10 INCHES TOTAL LENGTH
	2	1	2900864-002	WIRE, BUS, QQ-W-343, TYPE S, COATED (ES110-1), 24 AWG, 39.40 INCHES TOTAL LENGTH
	3	AR	SN60WS	SOLDER, QQ-S-571 (ES2175-1)
	4	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	5	AR	SN60WRAP	SOLDER, QQ-S-571 (ES2175-3)

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE-NONE	REV LTR ~~A~~ B +	SHEET 3 OF 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 1	2	1.50	TERM.1 TERM.3						NO NO			
AA 2	2	1.50	TERM.4 TERM.6						NO NO			
AA 3	2	1.20	TERM.7 P1-B						NO NO			
AA 4	2	1.00	TERM.8 TERM.70						NO NO			
AA 5	2	.90	TERM.2 TERM.9						NO NO			
AA 6	1	2.00	TERM.10 TERM.32					.26 .26	YES YES			
AA 7	2	.90	TERM.4 TERM.11						NO NO			
AA 8	1	2.30	TERM.11 TERM.37					.26 .26	YES YES			
AA 9	2	1.20	TERM.8 TERM.16						NO NO			
AA 10	2	1.00	TERM.70 P1-D						NO NO			
AA 11	1	1.80	TERM.16 P1-E						NO NO			
AA 12	1	3.00	TERM.14 TERM.49					.26 .26	YES YES			

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE-NONE	REV LTR ~~A~~ B +	SHEET 4 OF 8

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 13	2	1.30	TERM.20 TERM.33						NO NO			
AA 14	2	.90	TERM.14 TERM.15						NO NO			
AA 15	2	.90	TERM.15 TERM.21						NO NO			
AA 16	1	2.20	TERM.17 TERM.27					.26 .26	YES YES			
AA 17	2	.90	TERM.17 TERM.18						NO NO			
AA 18	2	.90	TERM.18 TERM.19						NO NO			
AA 19	1	2.40	TERM.5 TERM.35					.26 .26	YES YES			
AA 20	1	1.90	TERM.19 TERM.42					.26 .26	YES YES			
AA 21	2	1.50	TERM.19 TERM.24						NO NO			
AA 22	2	.90	TERM.16 TERM.24						NO NO			
AA 23	2	.90	TERM.24 TERM.29						NO NO			
AA 24	2	.90	TERM.21 TERM.27						NO NO			

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE-NONE	REV LTR B +	SHEET 5 OF 8

LEAD SET AA

2900864 B +

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 25	2	.90	TERM.22						NO			
			TERM.28						NO			
AA 26	2	.90	TERM.22						NO			
			TERM.25						NO			
AA 27	2	1.00	TERM.25						NO			
			TERM.23						NO			
AA 28	1	2.50	TERM.26					.26	YES			
			TERM.36					.26	YES			
AA 29	2	1.50	TERM.29						NO			
			P1-F						NO			
AA 30	2	1.50	TERM.30						NO			
			P1-M						NO			
AA 31	2	1.00	TERM.31						NO			
			P1-H						NO			
AA 32	2	.90	TERM.34						NO			
			TERM.35						NO			
AA 33	2	1.40	TERM.29						NO			
			TERM.43						NO			
AA 34	2	.90	TERM.43						NO			
			P1-P						NO			
AA 35	2	1.50	TERM.38						NO			
			TERM.40						NO			
AA 36	2	.90	TERM.39						NO			
			TERM.44						NO			

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE - NONE	REV LTR B +	SHEET 6 OF 8

MIL 2074 3-63 WIR

LEAD SET AA

2900864 B +

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 37	1	3.50	TERM.28					.26	YES			
			TERM.64					.26	YES			
AA 38	2	.90	TERM.37						NO			
			TERM.41						NO			
AA 39	2	.90	TERM.41						NO			
			TERM.46						NO			
AA 40	2	.90	TERM.49						NO			
			TERM.50						NO			
AA 41	2	1.00	TERM.50						NO			
			TERM.56						NO			
AA 42	2	.90	TERM.51						NO			
			TERM.57						NO			
AA 43	1	2.50	TERM.45					.26	YES			
			TERM.63					.26	YES			
AA 44	2	1.50	TERM.51						NO			
			TERM.55						NO			
AA 45	1	1.80	TERM.52					.26	YES			
			P1-R					.26	YES			
AA 46	2	1.30	TERM.54						NO			
			TERM.65						NO			
AA 47	2	.90	TERM.56						NO			
			TERM.61						NO			
AA 48	1	1.90	TERM.58					.26	YES			
			TERM.66					.26	YES			

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE - NONE	REV LTR B +	SHEET 7 OF 8

MIL 2074 3-63 WIR

LEAD SET AA

2900864 B +

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
AA 49	1	2.70	TERM.61					.26	YES			
			TERM.62					.26	YES			
AA 50	1	1.70	TERM.69					.26	YES			
			P1-W					.26	YES			
AA 51	2	1.30	TERM.69						NO			
			P1-Y						NO			
AA 52	1	2.00	TERM.68					.26	YES			
			P1-X					.26	YES			
AA 53	1	2.50	TERM.53					.26	YES			
			TERM.67					.26	YES			

CODE IDENT NO.	SIZE	
99974	A	2900864
SCALE - NONE	REV LTR B +	SHEET 8 OF 8

MIL 2074 3-63 WIR

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: LAMINATED GLASS CLOTH EPOXY RESIN, MIL-P-18177 TYPE GEE (ES2744-1).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. ARROWS INDICATE DIRECTION OF POSITIVE (+) DIMENSIONS.

COORDINATE DIMENSIONS

HOLE NO.	COORDINATES X(HORIZ)	COORDINATES Y (VERT)	HOLE DESCRIPTION
1	3.90	4.55	.092-.097 THRU
2		3.85	
3		3.60	
4		2.75	
5		2.45	
6		1.70	
7	3.90	.75	
8	3.75	1.10	
9	3.65	3.85	
10	3.65	3.00	
11	3.65	2.75	
12	3.50	2.05	
13	3.35	1.10	
14	3.25	4.30	
15	3.25	4.00	
16	3.15	1.35	
17	3.05	2.30	
18	3.05	2.05	
19	3.05	1.80	
20	3.00	4.55	
21	2.90	3.75	
22	2.90	3.50	
23	2.90	2.75	
24	2.80	1.35	
25	2.75	3.25	
26	2.75	2.50	
27	2.65	3.75	
28	2.65	3.50	
29	2.50	1.35	
30	2.65	1.10	
31	2.65	.85	
32	2.40	3.75	
33	2.30	4.55	
34	2.30	2.55	
35	2.30	2.30	.092-.097 THRU

COORDINATE DIMENSIONS

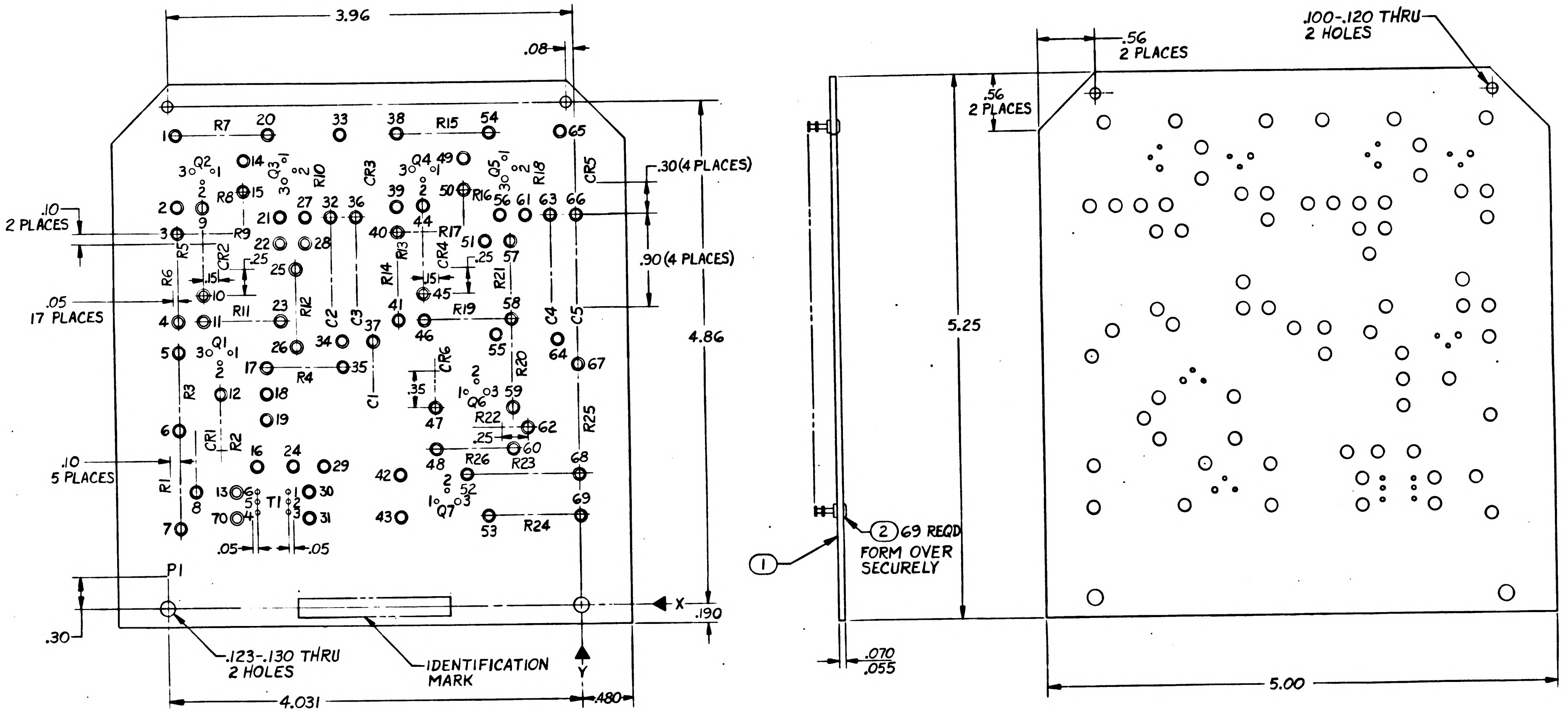
HOLE NO.	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
36	2.15	3.75	.092-.097 THRU
37	2.00	2.55	
38	1.75	4.55	
39		3.85	
40		3.60	
41		2.75	
42		1.25	
43	1.75	.85	
44	1.50	3.85	
45	1.50	3.00	
46	1.50	2.75	
47	1.40	1.90	
48	1.40	1.50	
49	1.10	4.30	
50	1.10	4.00	
51	.90	3.50	
52	1.10	1.25	
53	.90	.85	
54	.85	4.55	
55	.80	2.60	
56	.75	3.75	
57	.65	3.50	
58		2.75	
59		1.90	
60	.65	1.50	
61	.50	3.75	
62	.50	1.70	
63	.25	3.75	
64	.20	2.55	
65	.15	4.55	
66	.00	3.75	
67	.00	2.30	
68	.00	1.25	
69	.00	.85	.092-.097 THRU
70	3.35	.85	

COORDINATE DIMENSIONS

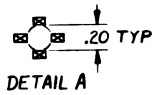
HOLE NO.	COORDINATES X(HORIZ)	COORDINATES Y(VERT)	HOLE DESCRIPTION
Q1-1	3.400	2.450	.031 THRU
Q1-2	3.500	2.350	.031
Q1-3	3.600	2.450	.055
Q2-1	3.550	4.200	.031
Q2-2	3.650	4.100	.031
Q2-3	3.750	4.200	.055
Q3-1	2.850	4.300	.031
Q3-2	2.750	4.200	.031
Q3-3	2.850	4.100	.055
Q4-1	1.400	4.200	.031
Q4-2	1.500	4.100	.031
Q4-3	1.600	4.200	.055
Q5-1	.700	4.300	.031
Q5-2	.600	4.200	.031
Q5-3	.700	4.100	.055
Q6-1	1.100	2.050	.031
Q6-2	1.000	2.150	.031
Q6-3	.900	2.050	.055
Q7-1	1.400	1.000	.031
Q7-2	1.300	1.100	.031
Q7-3	1.200	1.000	.055
T1-1	2.850	1.100	.031
T1-2	2.850	1.000	
T1-3	2.850	.900	
T1-4	3.150	1.100	
T1-5	3.150	1.000	
T1-6	3.150	.900	.031 THRU

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206306		22 OCT 65	248 RR
B		INITIAL RELEASE CLASS A PER TORR 23557		22 OCT 65	RES

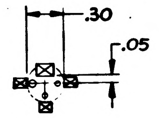


3.96
.08
.30 (4 PLACES)
.90 (4 PLACES)
4.86
.10 2 PLACES
.05 17 PLACES
.10 5 PLACES
.15
.25
.35
.05
.30
P1
.123-.130 THRU 2 HOLES
IDENTIFICATION MARK
4.031
.480
X
.190
Y
R1 R2 R3 R4 R5 R6 R7 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18 R19 R20 R21 R22 R23 R24 R25 R26
Q1 Q2 Q3 Q4 Q5 Q6 Q7
CR1 CR2 CR3 CR4 CR5 CR6
C1 C2 C3 C4 C5
T1
.56 2 PLACES
5.25
② 69 REQD
FORM OVER SECURELY
①
.070
.055
.56 2 PLACES
.100-.120 THRU 2 HOLES
5.00



DETAIL A

LOCATE MARKING ABOUT TERMINAL AS SHOWN 70 PLACES



DETAIL B

LOCATE MARKING FOR TRANSISTOR AS SHOWN 7 PLACES

SEE NOTE 2

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	70	MS17122-6	TERMINAL, STUD
1	1	2900866-001	TERMINAL BOARD

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900867-011	2900024-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — ; DECIMALS ±.005, ±.02 ; ANGLES + —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Weissert DATE 8-OCT 65
CHECKED 13 OCT 65
APPROVAL
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

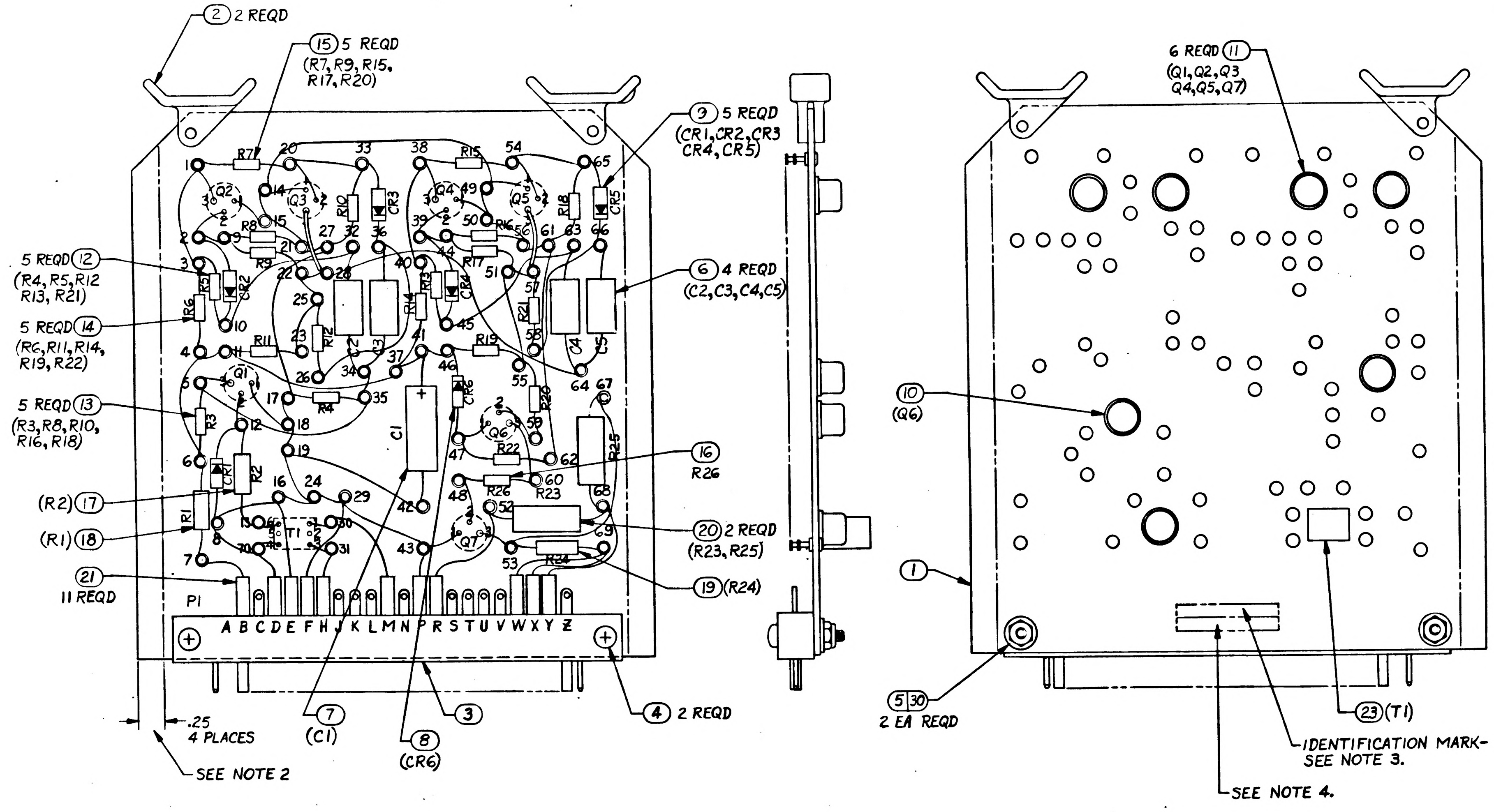
TERMINAL BOARD
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900866
SCALE 2:1
SHEET 1 OF 1

2900866 B

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206307		22 OCT 65	
B		INITIAL RELEASE CLASS A PER TDRR 23557		22 OCT 66	KES

NOTES: -
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. COMPONETS AND WIRING NOT TO EXTEND INTO AREAS INDICATED.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
4. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND1002019, .09 HIGH.
5. SERIALIZE PER ND1002023.
6. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM ㉕, OR ITEMS ㉖ AND ㉗.
7. VENDOR ITEM-SEE SPEC CONTROL DRAWING.
8. USE ITEM ㉔ AS REQUIRED ON LEADS OF ITEMS ⑩ AND ⑪.
9. BOND ITEMS ⑩, ⑪ AND ㉓ TO ITEM ① PER ND 1002203.
10. DIODE POLARIZING MARKS ARE FOR REFERENCE ONLY.



② 2 REQD
⑮ 5 REQD (R7, R9, R15, R17, R20)
⑨ 5 REQD (CR1, CR2, CR3 CR4, CR5)
5 REQD ⑫ (R4, R5, R12 R13, R21)
5 REQD ⑭ (R6, R11, R14, R19, R22)
5 REQD ⑬ (R3, R8, R10, R16, R18)
(R2) ⑰
(R1) ⑱
㉑ 11 REQD
⑥ 4 REQD (C2, C3, C4, C5)
⑯ R26
⑳ 2 REQD (R23, R25)
⑲ (R24)
P1
A B C D E F H J K L M N P R S T U V W X Y Z
Q1 Q2 Q3 Q4 Q5 Q6 Q7
C1 T1
.25 4 PLACES
SEE NOTE 2
⑦ (C1)
⑧ (CR6)
③
④ 2 REQD
6 REQD ⑪ (Q1, Q2, Q3 Q4, Q5, Q7)
⑩ (Q6)
①
⑤㉚ 2 EA REQD
IDENTIFICATION MARK-SEE NOTE 3.
SEE NOTE 4.
㉓ (T1)

				2		30	AN960C4	WASHER
				☒		29	PS2900867	PROCUREMENT SPEC
				☒		28	2900865	SCHEMATIC DIAGRAM
				AR		27	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				AR		26	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		25	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
SEE NOTES 7&8				1		24	1006776-20	INSULATION, SLEEVING-10.0 IN. LG.
				1		23	1015898-017	TRANSFORMER
				1		22	2900864	LEAD SET A-A
SEE NOTE 7				11		21	1015864-109	INSULATION, SLEEVING
				2		20	RN65B1212F	(1896975-393) RESISTOR MIL-R-10509
				1		19	RN60C6812F	(1896976-465) RESISTOR MIL-R-10509
				1		18	RC20GF152J	(1896952-053) RESISTOR MIL-R-11/3
				1		17	RC20GF473J	(1896952-089) RESISTOR MIL-R-11/3
				1		16	RC07GF302J	(1896985-060) RESISTOR MIL-R-11/8
				5		15	RC07GF683J	(1896985-093) RESISTOR MIL-R-11/8
				5		14	RC07GF512J	(1896985-066) RESISTOR MIL-R-11/8
				5		13	RC07GF203J	(1896985-080) RESISTOR MIL-R-11/8
				5		12	RC07GF104J	(1896985-097) RESISTOR MIL-R-11/8
SEE NOTE 7				6		11	1015928-001	TRANSISTOR
SEE NOTE 7				1		10	1015934-001	TRANSISTOR
				5		9	1N914	(1896966-044) DIODE MIL-S-19500/116
SEE NOTE 7				1		8	1015941-006	DIODE-ZENER
				1		7	CS13BF226K	(1896954-150) CAPACITOR MIL-C-26655
				4		6	CM15F391J03	(1896969-137) CAPACITOR MIL-C-5
SEE NOTE 7				2		5	1016151-004	NUT-SELF LOCKING
				2		4	MS35216-7	SCREW, PAN HEAD
SEE NOTE 7				1		3	1015956-167	CONNECTOR, ADAPTER
SEE NOTE 7				2		2	1015999-002	EJECTOR, CIRCUIT BOARD
				1		1	2900866	TERMINAL BOARD (INSEP ASSY)
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

2900024-011	2900024-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS + — ANGLES + —
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN Weissert DATE 5-OCT-65
CHECKED 13 OCT 65
APPROVAL
APPROVAL 10-22-65
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

LIMIT CYCLE
LOAD ASSEMBLY

CODE IDENT NO 99974
SIZE E
2900867
SCALE 2:1
SHEET 1 OF 1

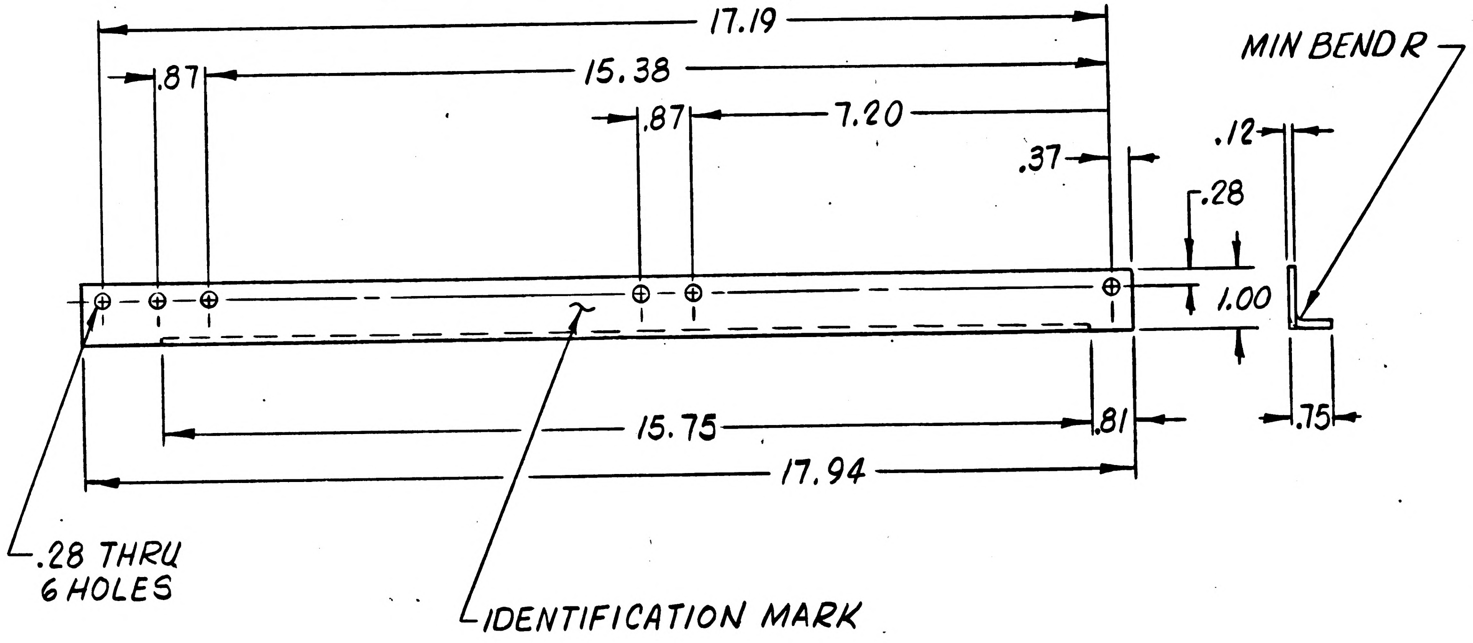
2900867

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES 2149-2 TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. Wolski DATE 7 OCT 65
CHECKED Wilson 11 OCT 65
APPROVAL A. Altenbach 12 OCT 65
APPROVAL C. Herman 10-20-65
NASA APPROVAL A. Metzger
MIT APPROVAL W. Kupfer 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, FRONT
LEFT SIDE

CODE IDENT NO. 99974
SIZE C
2900868
SCALE 1:2
SHEET 1 of 1

2900868

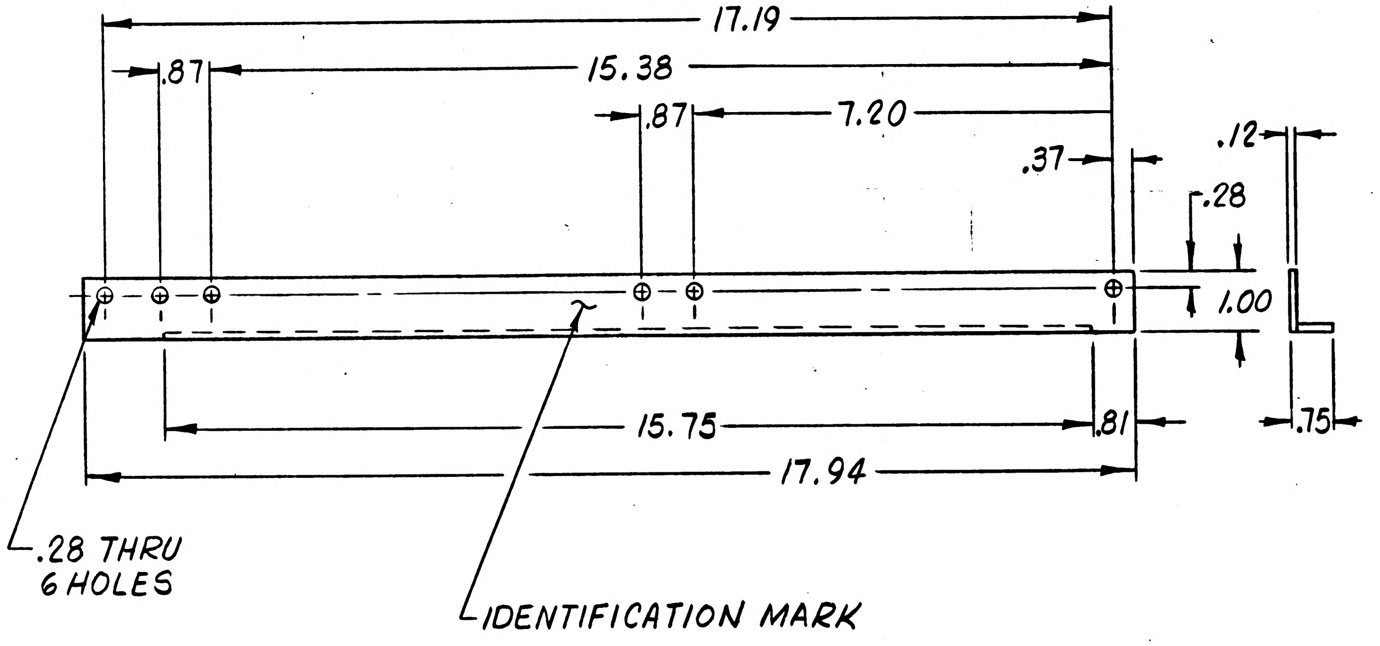
MIL 1077C—P

REVISIONS					23418
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R.
B		REVISED PER TDRR 24732		20 DEC 65	RLP EF

Ⓜ

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES2149-2 TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Wolski DATE 7 OCT 65
CHECKED Wilson 11 OCT 65
APPROVAL Altenbach 12 OCT 65
APPROVAL Herman 10-20-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, FRONT
LEFT SIDE

CODE IDENT NO. 99974
SIZE C
2900868
SCALE 1:2
SHEET 1 of 1

2900868 B

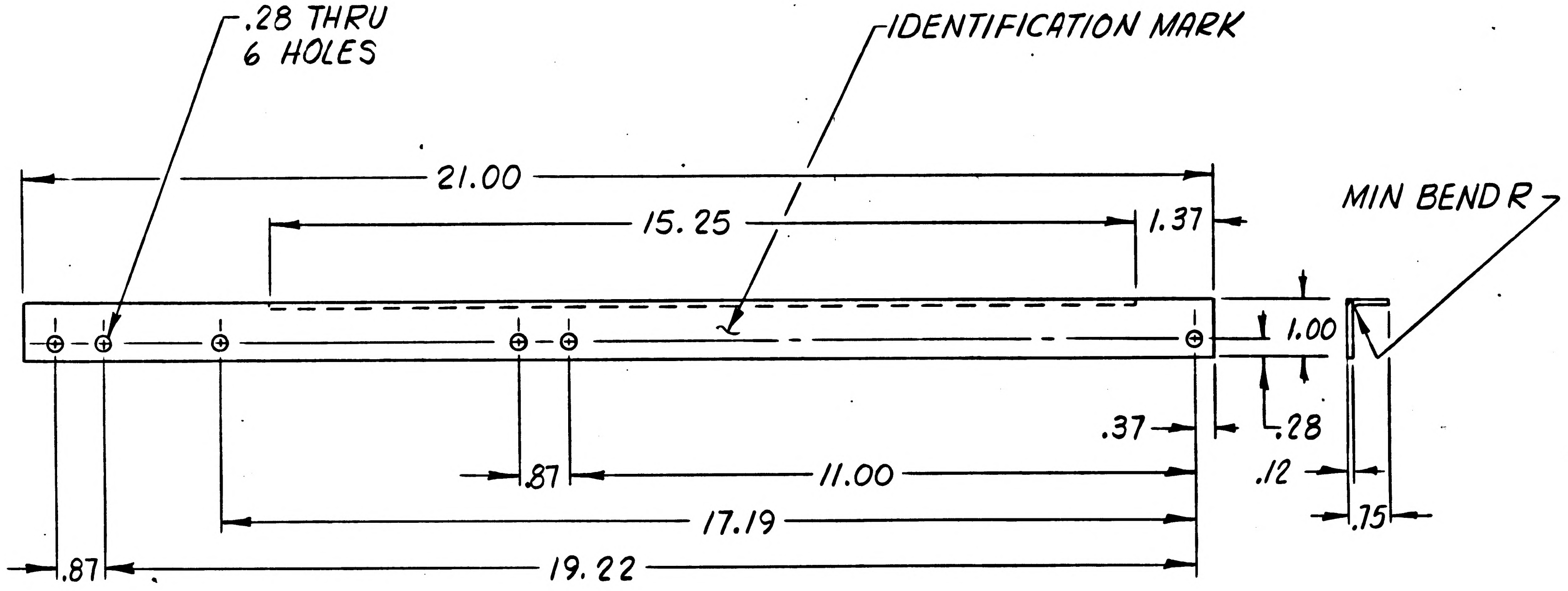
MIL 1077C—P

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES 2149-2, TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 OF FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB / G.O.R



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J Wolski DATE 6 OCT 65
CHECKED WILSON 11 OCT 65
APPROVAL Altenbach 12 Oct '65
APPROVAL [illegible] 10-21-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 21 Oct 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, BACK - LEFT SIDE

CODE IDENT NO. 99974
SIZE C
2900869
SCALE 1:2
SHEET 1 OF 1

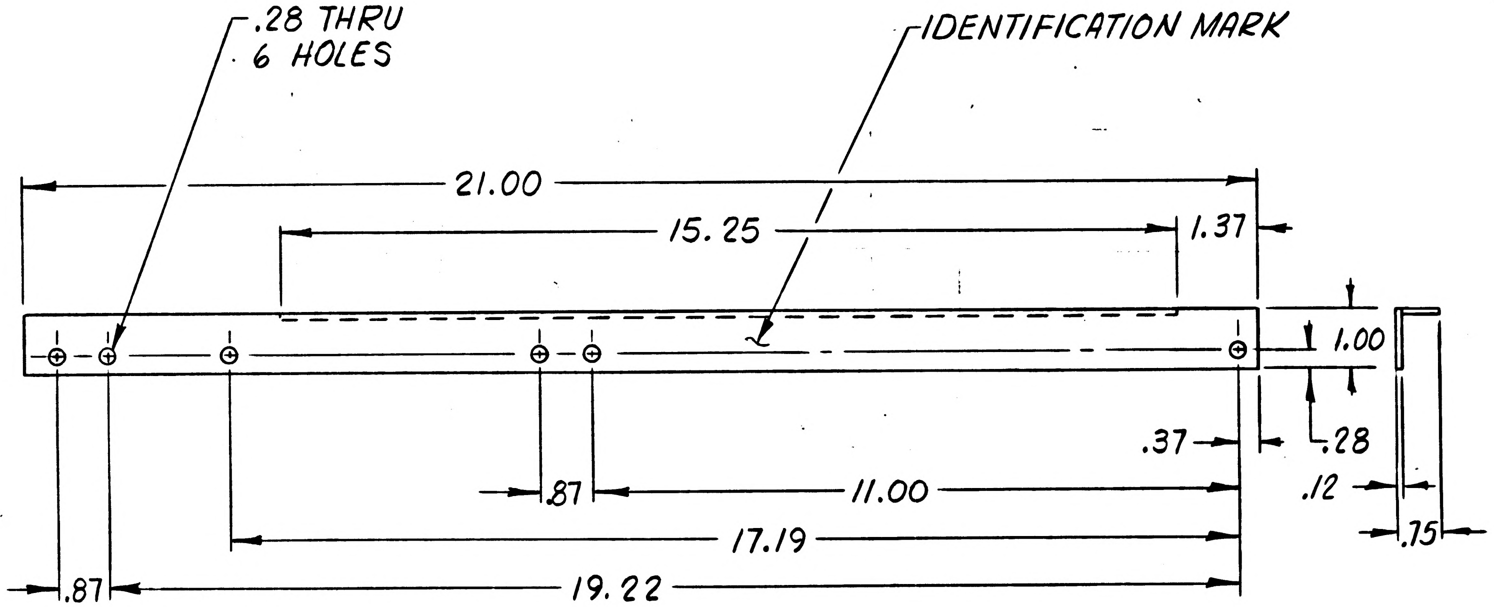
MIL 1077C—P

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES 2149-2, TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 OF FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R
B		REVISED PER TDRR 24732		20 DEC 65	RLP EF



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± -	± .02	± -

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 6 OCT 65 DATE
CHECKED WILSON 11 OCT 65
APPROVAL 12 Oct '65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, BACK - LEFT SIDE

CODE IDENT NO. 99974
SIZE C
2900869
SCALE 1:2
SHEET 1 OF 1

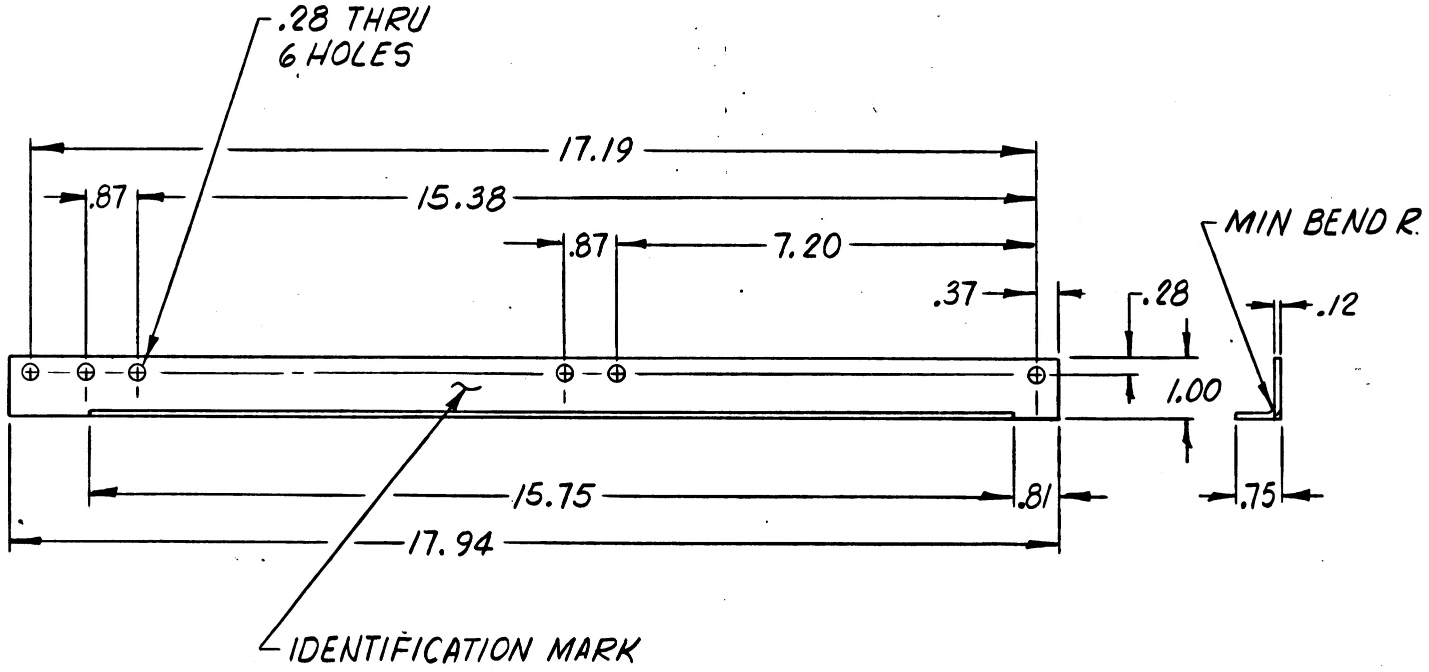
2900869

MIL 1077C—P

REVISIONS 23418					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES 2149-2 TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
5. MUST BE FREE FROM BURRS & SHARP EDGES.



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± —	± .02	± —

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN J. Kolski DATE 6 OCT 65
CHECKED WILSON 11 OCT 65
APPROVAL A. Altenbach 12 Oct 65
APPROVAL [illegible] 10-20-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 21 Oct 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, FRONT
RIGHT SIDE

CODE IDENT NO.
SIZE C
2900870

SCALE 1:2
SHEET 1 OF 1

2900870 A

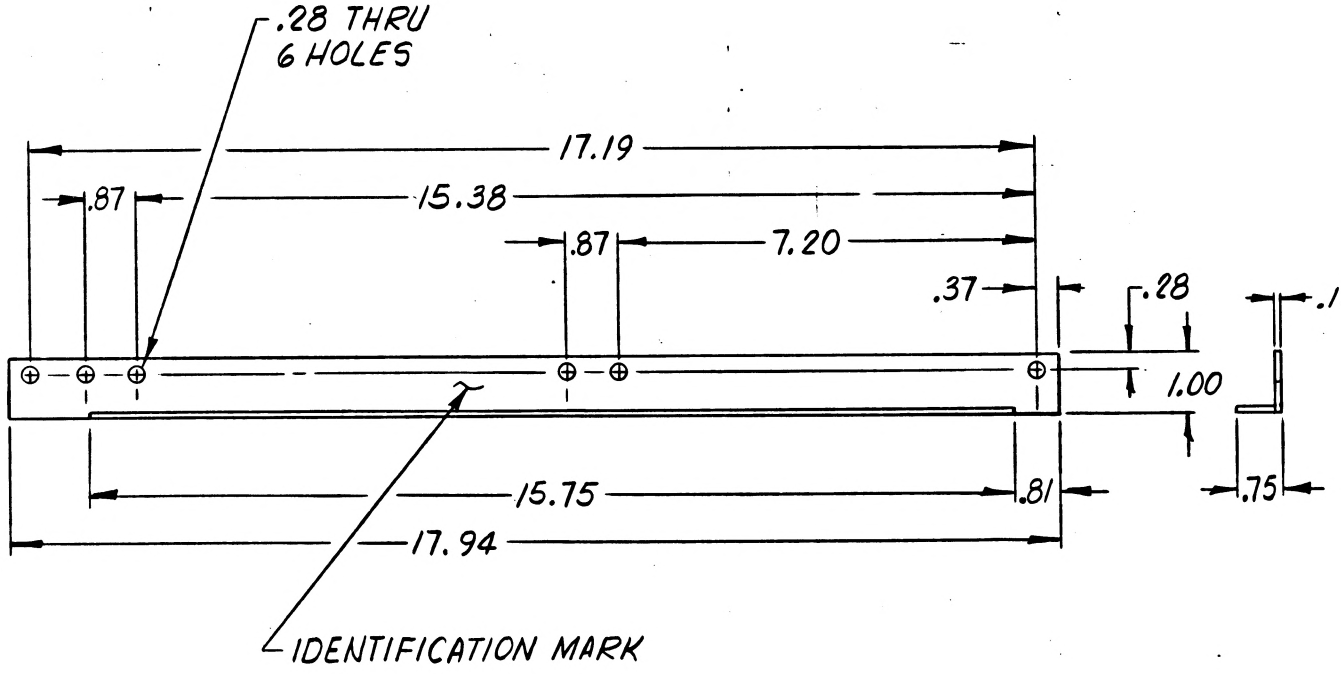
MIL 1077C—P

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB / G.O.R.
B		REVISED PER TDRR 24732		20 DEC 65	RLP / E F

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T5 AL ALLOY (ES 2149-2 TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
5. MUST BE FREE FROM BURRS & SHARP EDGES.



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± .02 ANGLES ± —
DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN J Wolski DATE 6 OCT 65
CHECKED WILSON 11 OCT 65
APPROVAL A Altenbach 12 Oct 65
APPROVAL [illegible] 10-20-65
NASA APPROVAL [illegible]
MIT APPROVAL [illegible] 21 Oct 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT, FRONT
RIGHT SIDE

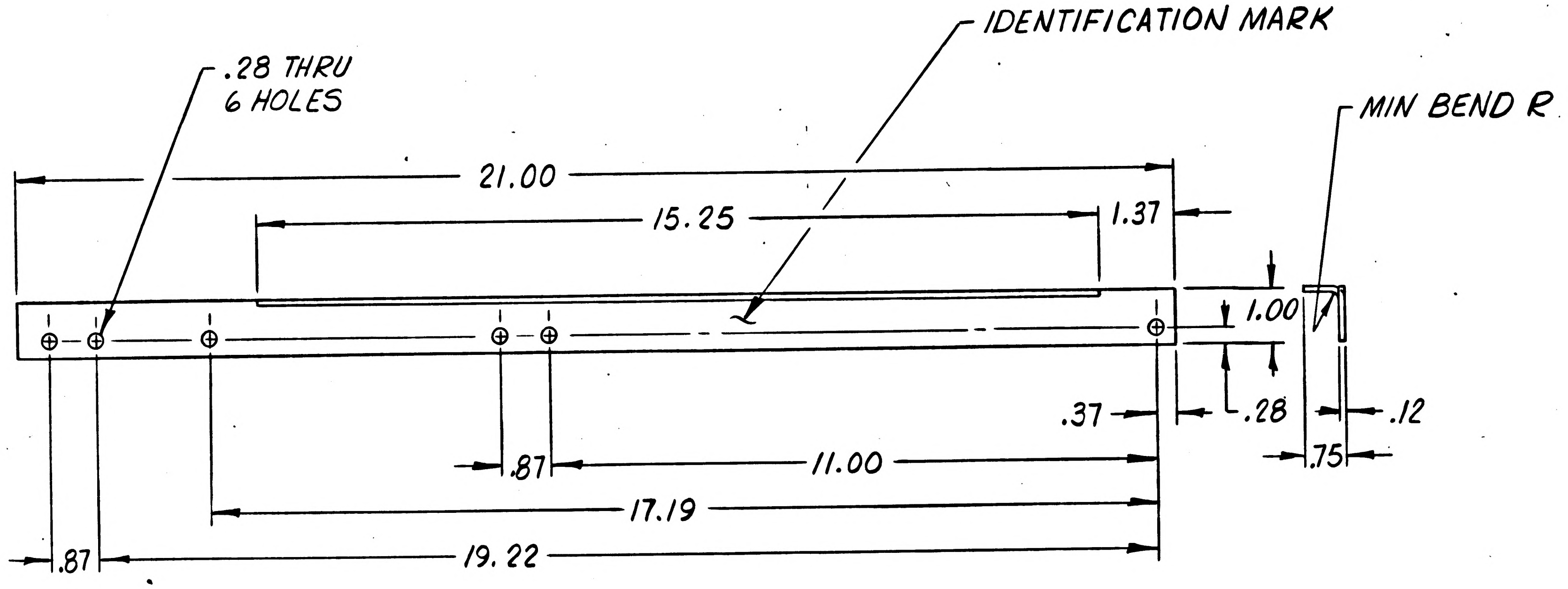
CODE IDENT NO.
SIZE C
2900870
SCALE 1:2
SHEET 1 OF 1

MIL 1077C—P

REVISIONS 23418					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T-5 AL ALLOY (ES 2149-2, TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.



2900837-011	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ±.02 ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 6 OCT 65
CHECKED WILSON 11 OCT 65
APPROVAL 12 OCT 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT-BACK,
RIGHT SIDE

CODE IDENT NO. 99974
SIZE C
2900871
SCALE 1:2
SHEET 1 OF 1

MIL 1077C-P

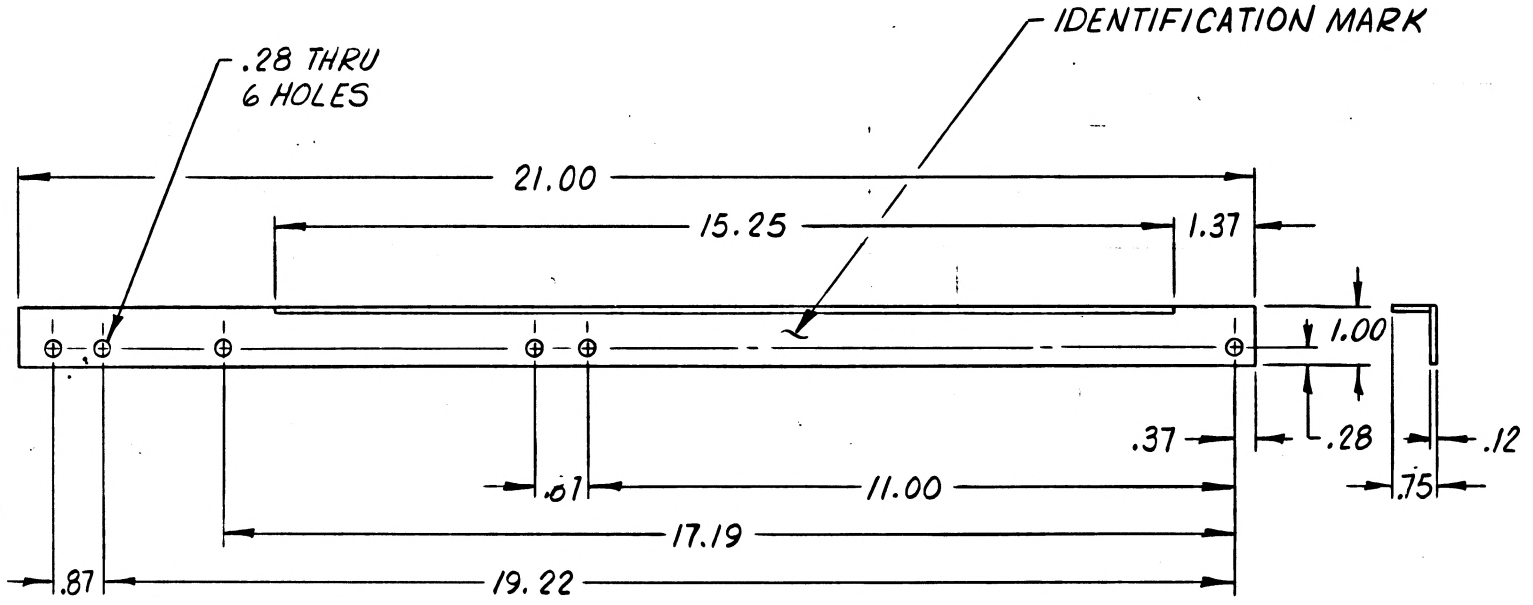
2900871

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-200/9, T-5 AL ALLOY (ES2149-2, TYPE 6063-T5)
3. FINISH: APPLY PRIMER P513 PER MIL-P-8585. APPLY TWO COATS OF TT-E-529 CLASS B ENAMEL, DARK GREY, COLOR 26231 FED-STD-595.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267)
5. MUST BE FREE FROM BURRS & SHARP EDGES.

REVISIONS 23418

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 23418		18 OCT 65	WRB G.O.R.
B		REVISED PER TDRR 24732		20 DEC 65	RLP EF



NEXT ASSY	USED ON
2900837-011	2900708-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± - DECIMALS ± .02 ANGLES ± -
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Jrolski DATE 6 OCT 65
CHECKED WILSON 11 OCT 65
APPROVAL Alteenbach 12 OCT 65
APPROVAL 10-21-65
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

GUIDE SUPPORT-BACK, RIGHT SIDE

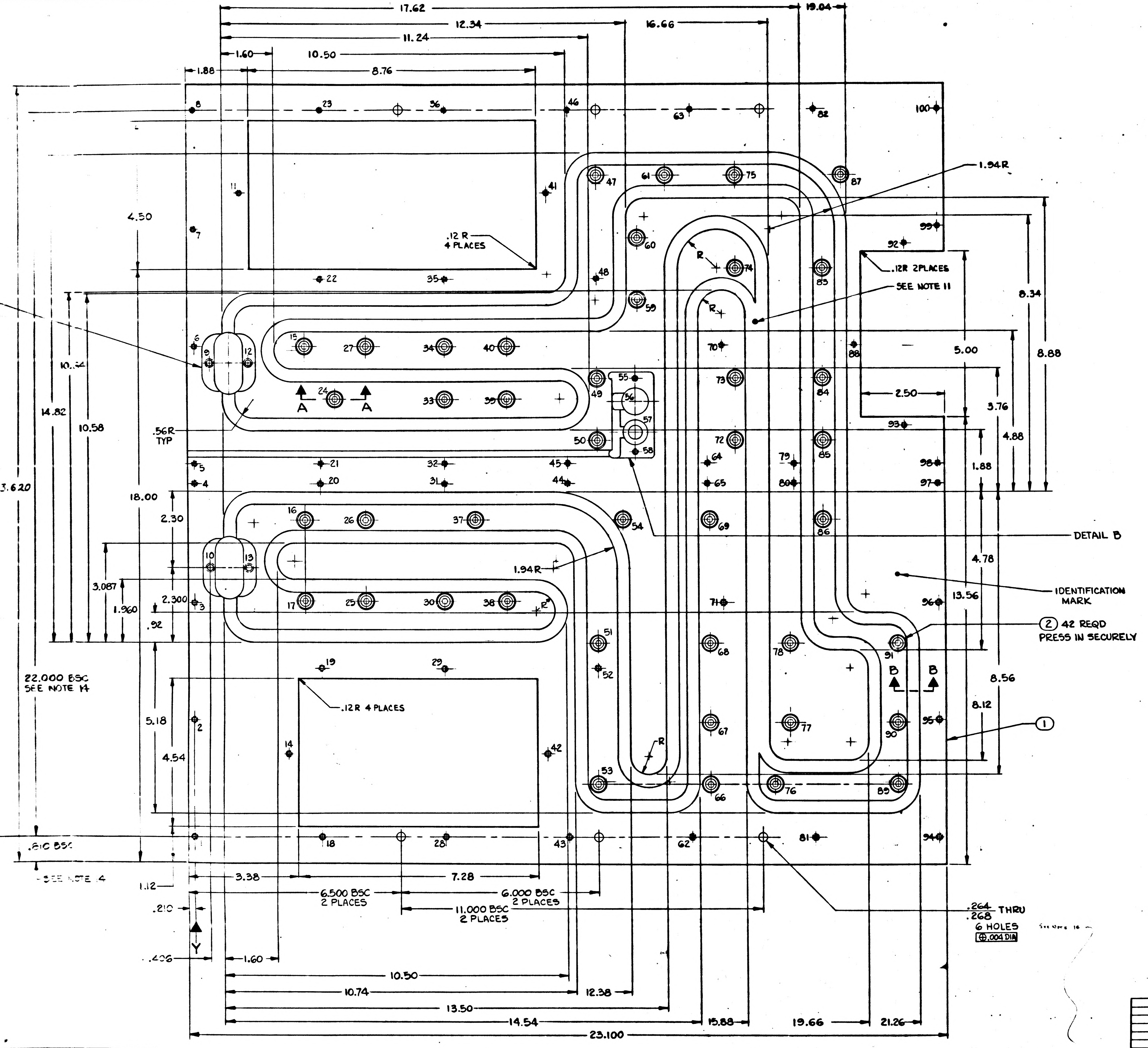
CODE IDENT NO. 99974
SIZE C
2900871
SCALE 1:2
SHEET 1 OF 1

MIL 1077C—P

2900871

2900871 B

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 206619		5 NOV 65	
B		INITIAL RELEASE CLASS A PER TDRR 25566		4 DEC 65	Em



17.62
19.04
12.34
16.66
11.24
1.60
10.50
1.88
8.76
1.94R
.12 R 4 PLACES
.12R 2PLACES
SEE NOTE 11
4.50
8.34
8.88
5.00
10.34
14.82
10.58
3.76
4.88
2.50
.56R TYP
1.88
3.620
18.00
2.30
DETAIL B
4.78
IDENTIFICATION MARK
3.087
1.960
2.300
.92
13.56
② 42 REQD PRESS IN SECURELY
22.000 BSC SEE NOTE 14
8.56
8.12
.12R 4 PLACES
5.18
4.54
①
.610 BSC
SEE NOTE 14
1.12
3.38
7.28
6.500 BSC 2 PLACES
6.000 BSC 2 PLACES
11.000 BSC 2 PLACES
.264 .268 THRU 6 HOLES ⊕ .004 DIA
See Note 14
.210
.406
Y
1.60
10.50
10.74
12.38
13.50
14.54
15.88
19.66
21.26
23.100
A
B
R
1.94R

2H

SEE NOTE 12	2	42	1000141-2	SCREW CAPTIVE ASSY
SEE NOTE 2	1	1	2900872-001	-OLDER COOLING COIL
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ±.005 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Engel 19 OCT 65
CHECKED 25 OCT 65
APPROVAL 26 OCT 65
APPROVAL 21-
NASA APPROVAL A. C. METZGER
NIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOLDER, COOLING COIL
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE J_2
2900872
SCALE FULL
SHEET OF

2900725-011	2900677-011
NEXT ASSY	USED ON
APPLICATION	

Charleston 26 OCT 65

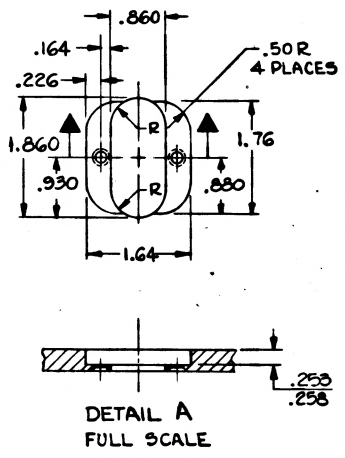
2900872 REV LTR B SH 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: AL ALY QQ-A-250/11 TEMPER T651 (ES 2106-6061-T6).
3. FINISH: MIL-C-5541 (ES 591 CHEMICAL FILM).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. UNLESS OTHERWISE SPECIFIED:
   A. ALL CORNERS MUST BE .005 TO .015R OR CHAMFER.
   B. SURFACE ROUGHNESS SHALL NOT EXCEED 63/√.
6. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK, CENTRALIZE AS SHOWN.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
8. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSIONS.
9. HOLE NUMBERS AND LETTERS ARE FOR MANUFACTURING REFERENCE.
10. SIDE WALLS OF ALL TUBE CHANNELS SHALL NOT EXCEED SURFACE ROUGHNESS INDICATED.
11. "STEP" HEIGHTS, RESULTING FROM MACHING OPERATIONS, SHALL NOT EXCEED .002 INCH.
12. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
13. DIMENSIONS LOCATING THE TRUE POSITION ARE BASIC.
14. DIMENSIONS APPLY ONLY TO 6 HOLES .264-.268 DIA.

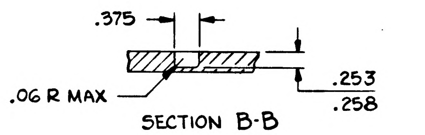
HOLES		
DESIG	NO.	DESCRIPTION
a	50	.110-.114 DIA × .28 DEEP MAX - DO NOT BREAK THRU - 6-32NC-2B THD × .22 DEEP MIN. - 90° CSK TO .190 DIA.
b	4	.170-.178 DIA THRU - 100° CSK TO .280-.290 DIA FAR SIDE
c	2	.110-.114 DIA × .22 DEEP MAX 6-32NC-2B THD × .15 DEEP MIN 90° CSK TO MAJOR DIA OF THD DO NOT BREAK THRU
d	1	.812 THRU
e	1	.406 THRU, .718 CBORE × .188 DEEP

COORDINATE DIMENSIONS				
SEE NOTE 13	HOLE NO	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
	1	.000	.000	SEE HOLE a
	2		3.552	
	3		7.132	
	4		10.682	
	5		11.302	
	6		14.842	
	7		18.402	
	8	.000	22.022	a
	9	.440	14.352	b
	10	.440	8.152	b
	11	1.350	19.522	a
	12	1.628	14.352	b
	13	1.628	8.152	b
	14	2.880	2.502	SEE HOLE a
BSC	15	3.400	14.842	SEE SECTION A-A
BSC	16	3.400	9.602	SEE SECTION A-A
BSC	17	3.400	7.152	SEE SECTION A-A
	18	3.880	.000	SEE HOLE a
	19		5.152	a
	20		10.682	a
	21		11.302	a
	22		16.902	a
	23	3.880	22.022	SEE HOLE a
BSC	24	4.337	13.252	SEE SECTION A-A
BSC	25	5.275	7.152	
BSC	26	5.275	9.602	
BSC	27	5.275	14.842	SEE SECTION A-A
	28	7.650	.000	SEE HOLE a
	29		5.152	SEE HOLE a
BSC	30		7.152	SEE SECTION A-A
	31		10.682	SEE HOLE a
	32		11.302	SEE HOLE a
BSC	33		13.252	SEE SECTION A-A
BSC	34		14.842	SEE SECTION A-A
	35		16.902	SEE HOLE a
	36	7.650	22.022	SEE HOLE a
BSC	37	8.587	9.602	SEE SECTION A-A
BSC	38	9.525	7.152	
BSC	39	9.525	13.252	
BSC	40	9.525	14.842	SEE SECTION A-A
	41	10.740	19.522	SEE HOLE a
	42	10.740	2.502	a
	43	11.400	.000	a
	44		10.682	a
	45		11.302	a
	46	11.400	22.022	SEE HOLE a
BSC	47	12.300	19.977	SEE SECTION A-A
	48		16.902	SEE HOLE a
BSC	49		13.852	SEE SECTION A-A
BSC	50		11.977	SEE SECTION A-A
BSC	51		5.852	SEE SECTION A-A
	52		5.152	SEE HOLE a
BSC	53	12.300	1.602	SEE SECTION A-A
BSC	54	13.100	9.602	SEE SECTION A-A
	55	13.450	13.852	SEE HOLE c
	56	—	—	SEE HOLE d
	57	—	—	SEE HOLE e
	58	—	—	SEE HOLE c
BSC	59	13.550	16.227	SEE SECTION A-A
BSC	60	13.550	18.102	SEE SECTION A-A
BSC	61	14.400	19.977	SEE SECTION A-A
	62	15.150	.000	SEE HOLE a
	63	15.150	22.022	
	64	15.650	11.302	
	65	15.650	10.682	SEE HOLE a
BSC	66	15.700	1.602	SEE SECTION A-A
BSC	67		3.477	
BSC	68		5.852	
	69	15.700	9.602	SEE SECTION A-A
	70	16.100	14.842	SEE HOLE a
	71	16.100	7.132	SEE HOLE a
BSC	72	16.500	11.977	SEE SECTION A-A
	73		13.852	
	74		17.164	
	75	16.500	19.977	
	76	17.700	1.602	
	77	18.150	3.477	
BSC	78	18.150	5.852	SEE SECTION A-A
	79	18.300	11.302	SEE HOLE a
	80	18.300	10.682	
	81	18.900	.000	
	82	18.900	22.022	SEE HOLE a
BSC	83	19.150	17.164	SEE SECTION A-A
	84		13.852	
	85		11.977	
	86	19.150	9.602	
BSC	87	19.750	19.977	SEE SECTION A-A
	88	20.100	14.842	SEE HOLE a
BSC	89	21.400	1.602	SEE SECTION A-A
BSC	90	21.400	3.477	SEE SECTION A-A
BSC	91	21.400	5.852	SEE SECTION A-A
	92	21.620	17.942	SEE HOLE a
	93	21.620	12.442	
	94	22.680	.000	
	95		3.552	
	96		7.132	
	97		10.682	
	98		11.302	
	99		18.402	
	100	22.680	22.022	SEE HOLE a



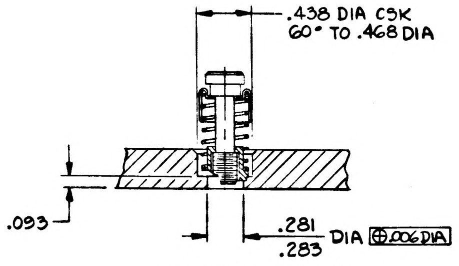
.860
.164
.226
.50R 4 PLACES
1.860
.930
1.76
.880
R
1.64
.253
.258

DETAIL A
FULL SCALE



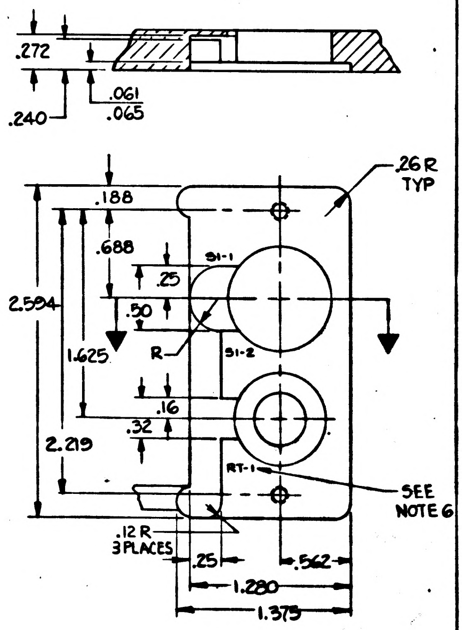
.375
.06 R MAX
.253
.258

SECTION B-B
FULL SCALE



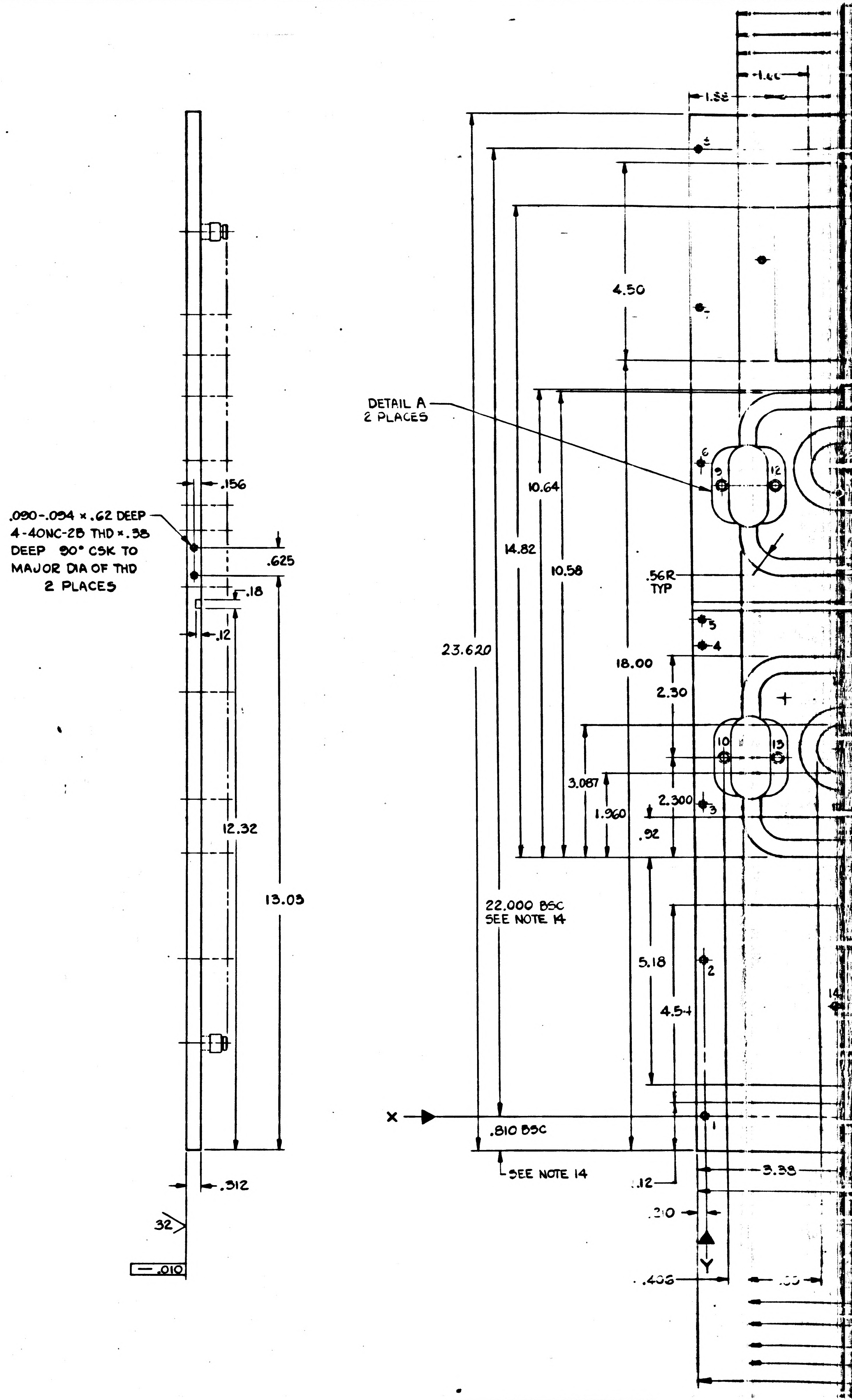
.438 DIA CSK 60° TO .468 DIA
.093
.281
.283
DIA ⊕ .006 DIA

SECTION A-A
SCALE 2:1



.272
.240
.061
.065
.188
.26R TYP
.688
.25
.50
R
2.594
1.625
.16
.32
2.219
.12R 3 PLACES
.25
.562
1.280
1.375
SEE NOTE 6

DETAIL B
SCALE 2:1



.156
.090-.094 × .62 DEEP 4-40NC-2B THD × .38 DEEP 90° CSK TO MAJOR DIA OF THD 2 PLACES
.625
.18
.12
12.32
13.03
.312
32
.010
DETAIL A 2 PLACES
1.58
4.50
10.64
14.82
10.58
.56R TYP
23.620
18.00
2.30
3.087
1.960
2.300
.92
22.000 BSC SEE NOTE 14
5.18
4.54
X
.810 BSC
SEE NOTE 14
.12
.210
.406
3.38
Y

2900872

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T6 (ES2106 AL ALY 6061-T6).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. FINISH:
   a. MIL-C-5541 CHEMICAL FILM (ES591).
   b. MARK 1 IN. DIA AREA USING COLOR 514 OF ANA BULLETIN 157, INSTRUMENT BLACK.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130(ES267).
6. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
7. HOLE NUMBERS AND LETTERS ARE FOR MANUFACTURING REFERENCE.
8. UNLESS OTHERWISE SPECIFIED:
   a. ALL CORNERS MUST BE .005 TO .015 R OR CHAMFER.
   b. SURFACE ROUGHNESS MUST NOT EXCEED $\sqrt[63]{}$.

COORDINATE DIMENSIONS

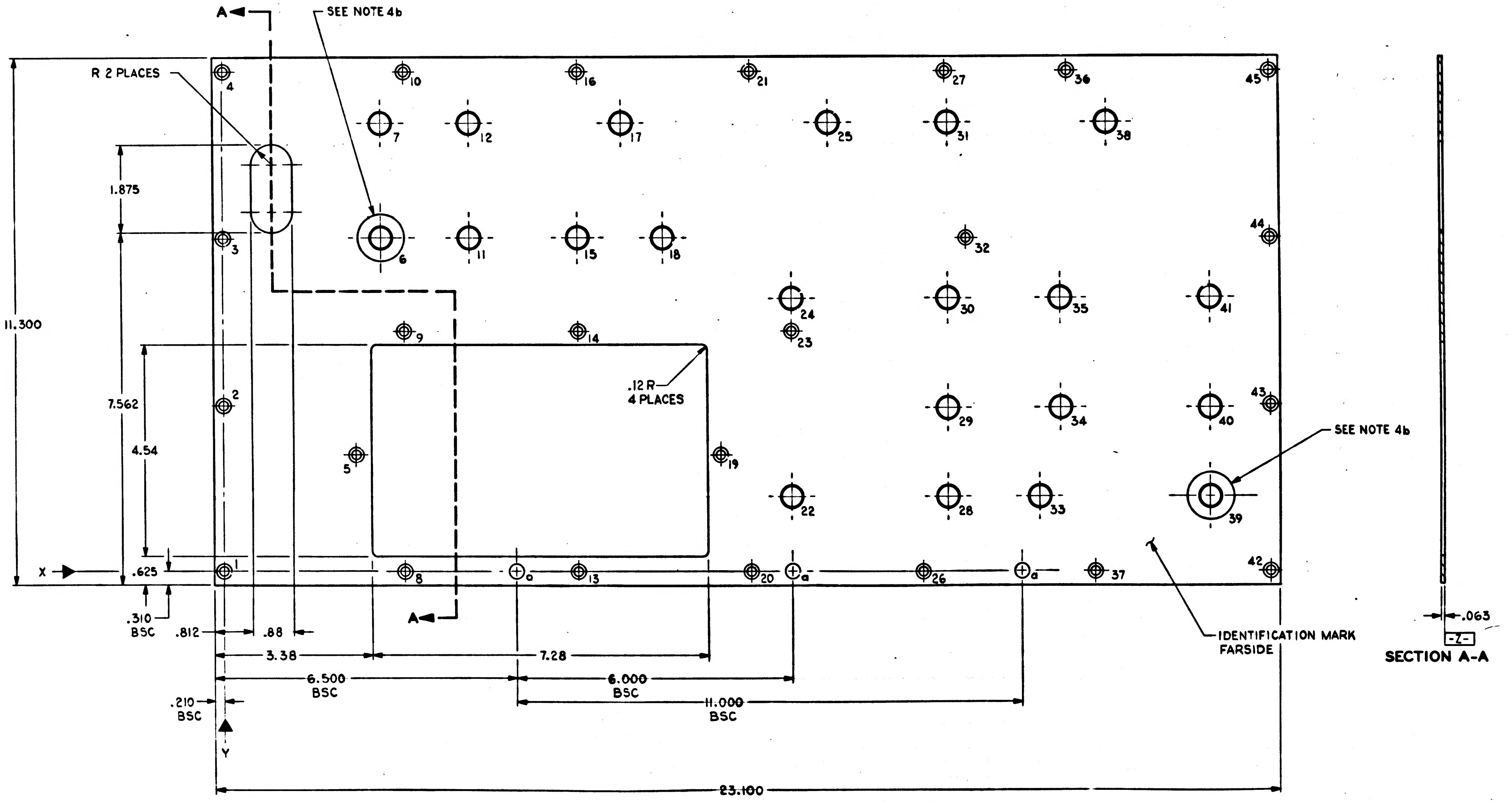
HOLE NO.	COORDINATE X(HORIZ)	COORDINATE Y(VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE c
2	.000	3.552	|
3	.000	7.132	|
4	.000	10.682	|
5	2.880	2.502	SEE HOLE c
6	3.400	7.152	SEE HOLE b
7	3.400	9.602	SEE HOLE b
8	3.880	.000	SEE HOLE c
9	3.880	5.152	SEE HOLE c
10	3.880	10.682	SEE HOLE c
11	5.275	7.152	SEE HOLE b
12	5.275	9.602	SEE HOLE b
13	7.650	.000	SEE HOLE c
14	7.650	5.152	SEE HOLE c
15	7.650	7.152	SEE HOLE b
16	7.650	10.682	SEE HOLE c
17	8.587	9.602	SEE HOLE b
18	9.525	7.152	SEE HOLE b
19	10.740	2.502	SEE HOLE c
20	11.400	.000	SEE HOLE c
21	11.400	10.682	SEE HOLE c
22	12.300	1.602	SEE HOLE b
23	12.300	5.152	SEE HOLE c
24	12.300	5.852	SEE HOLE b
25	13.100	9.602	SEE HOLE b
26	15.150	.000	SEE HOLE c
27	15.650	10.682	SEE HOLE c
28	15.700	1.602	SEE HOLE b
29	15.700	3.477	SEE HOLE b
30	15.700	5.852	SEE HOLE b

COORDINATE DIMENSIONS

HOLE NO.	COORDINATE X(HORIZ)	COORDINATE Y(VERT)	HOLE DESCRIPTION
31	15.700	9.602	SEE HOLE b
32	16.100	7.132	SEE HOLE c
33	17.700	1.602	SEE HOLE b
34	18.150	3.477	SEE HOLE b
35	18.150	5.852	SEE HOLE b
36	18.300	10.682	SEE HOLE c
37	18.900	.000	SEE HOLE c
38	19.150	9.602	SEE HOLE b
39	21.400	1.602	|
40	21.400	3.477	|
41	21.400	5.852	SEE HOLE b
42	22.680	.000	SEE HOLE c
43	22.680	3.552	|
44	22.680	7.132	|
45	22.680	10.682	SEE HOLE c

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MAC 206620		5 Nov 65	
	B	INITIAL RELEASE CLASS A PER TDRR 25566		14 DEC 65	Em



A
SEE NOTE 4b
R 2 PLACES
1.875
11.300
7.562
4.54
.625
.310 BSC
.812
.88
3.38
7.28
6.500 BSC
6.000 BSC
11.000 BSC
.210 BSC
23.100
X
Y
.12 R 4 PLACES
SEE NOTE 4b
IDENTIFICATION MARK FARSIDE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
a
.063
-Z-
SECTION A-A

HOLE	QTY	DESCRIPTION
a	3	.264-.268 THRU ⌖.004
b	21	.438 THRU 60° CSK TO .500DIA ⌖.006
c	24	.171-.179 THRU 100° CSK TO .280-.290 DIA

NEXT ASSY	USED ON
2900725-011	2900677-011
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS +- DECIMALS ±.005 ±.02 ANGLES +- --
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN Gruenewald DATE 15 OCT 65
CHECKED 26 OCT 65
APPROVAL 26 OCT 65
APPROVAL 1-20-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 1-15-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

COVER HALF, HOLDER, COOLING COIL

CODE IDENT NO. 99974
SIZE E
2900873
SCALE FULL
SHEET 1 OF 1

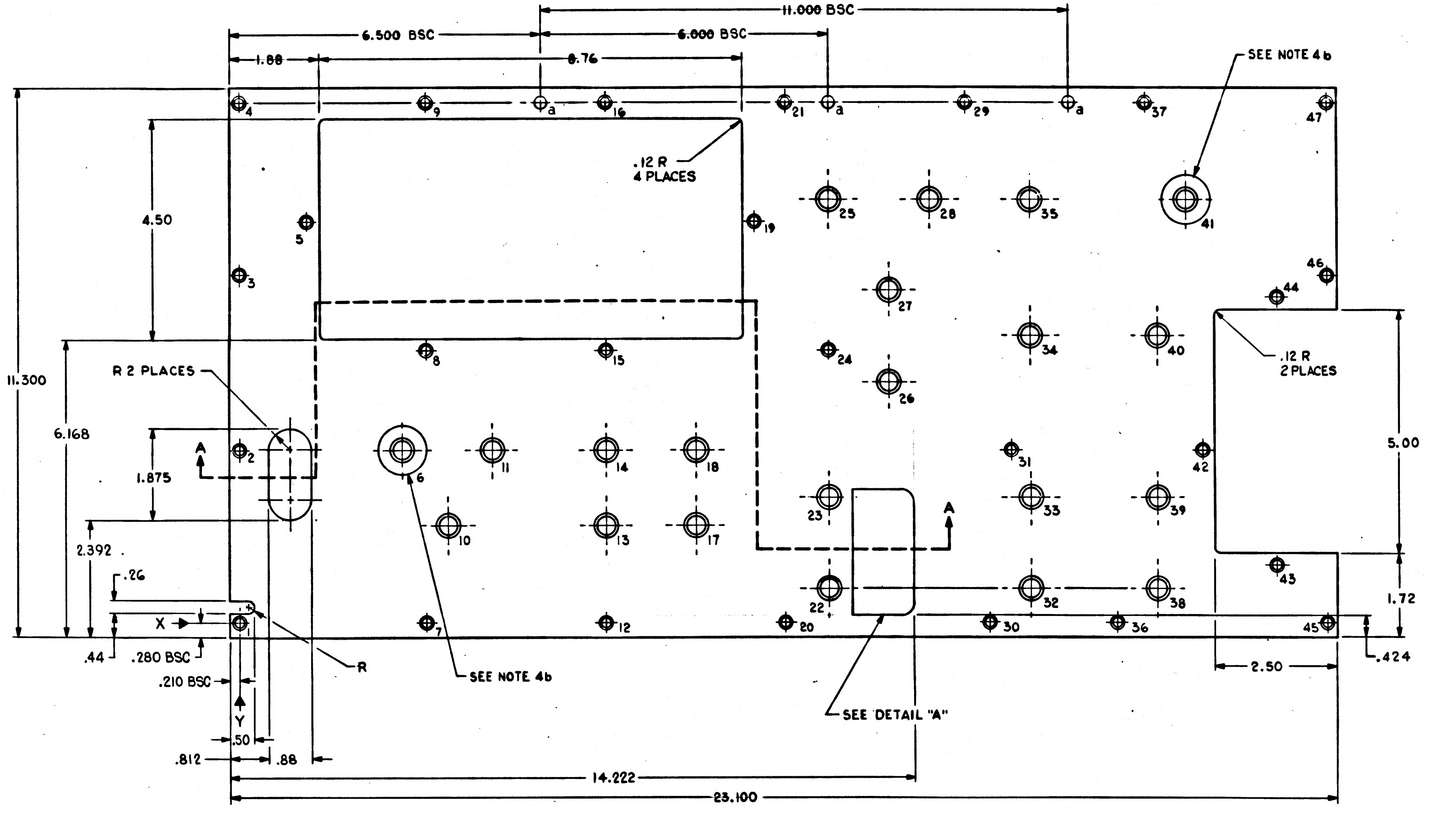
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 206621		5 NOV 65	
	B	INITIAL RELEASE CLASS A PER TDRR 25566		14 DEC 65	

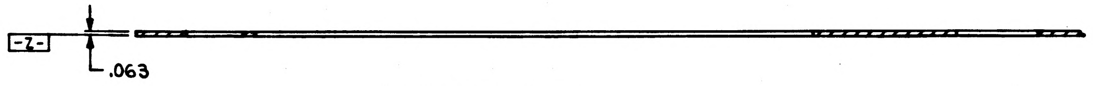
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T6 (ES2106 AL ALY 6061-T6).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. FINISH:
   a. MIL-C-5541 CHEMICAL FILM (ES591).
   b. MARK [illegible] IN. DIA AREA USING COLOR 514 OF ANA BULLETIN 157, INSTRUMENT BLACK.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267)
6. ARROW INDICATES DIRECTION OF POSITIVE (+) DIMENSION.
7. HOLE NUMBERS AND LETTERS ARE FOR MANUFACTURING REFERENCE.
8. UNLESS OTHERWISE SPECIFIED:
   a. ALL CORNERS MUST BE .005 TO .015 R OR CHAMFER.
   b. SURFACE ROUGHNESS SHALL NOT EXCEED $\overset{63}{\checkmark}$.

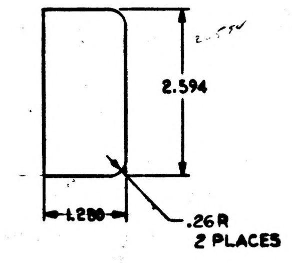
COORDINATE DIMENSIONS

HOLE NO.	COORDINATE X (HORIZ)	COORDINATE Y (VERT)	HOLE DESCRIPTION
1	.000	.000	SEE HOLE c
2	.000	3.540	|
3	.000	7.100	|
4	.000	10.720	|
5	1.350	8.220	SEE HOLE c
6	3.400	3.540	SEE HOLE b
7	3.880	.000	SEE HOLE c
8	3.880	5.600	SEE HOLE c
9	3.880	10.720	SEE HOLE c
10	4.337	1.950	SEE HOLE b
11	5.275	3.540	SEE HOLE b
12	7.650	.000	SEE HOLE c
13	7.650	1.950	SEE HOLE b
14	7.650	3.540	SEE HOLE b
15	7.650	5.600	SEE HOLE c
16	7.650	10.720	SEE HOLE c
17	9.525	1.950	SEE HOLE b
18	9.525	3.540	SEE HOLE b
19	10.740	8.220	SEE HOLE c
20	11.400	.000	SEE HOLE c
21	11.400	10.720	SEE HOLE c
22	12.300	.675	SEE HOLE b
23	12.300	2.550	SEE HOLE b
24	12.300	5.600	SEE HOLE c
25	12.300	8.675	SEE HOLE b
26	13.550	4.925	|
27	13.550	6.800	|
28	14.400	8.675	SEE HOLE b
29	15.150	10.720	SEE HOLE c
30	15.650	.000	SEE HOLE c
31	16.100	3.540	SEE HOLE c
32	16.500	.675	SEE HOLE b
33	16.500	2.550	|
34	16.500	5.862	|
35	16.500	8.675	SEE HOLE b
36	18.300	.000	SEE HOLE c
37	18.900	10.720	SEE HOLE c
38	19.150	.675	SEE HOLE b
39	19.150	2.550	|
40	19.150	5.862	|
41	19.750	8.675	SEE HOLE b
42	20.100	3.540	SEE HOLE c
43	21.620	1.140	|
44	21.620	6.640	|
45	22.680	.000	|
46	22.680	7.100	|
47	22.680	10.720	SEE HOLE c


11.000 BSC
6.500 BSC
6.000 BSC
1.88
8.76
SEE NOTE 4b
.12 R
4 PLACES
4.50
11.300
6.168
R 2 PLACES
A
1.875
2.392
.26
X
Y
.44
.280 BSC
.210 BSC
.50
.812
.88
R
SEE NOTE 4b
SEE DETAIL "A"
14.222
23.100
.12 R
2 PLACES
5.00
1.72
2.50
.424
a
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47



SECTION A-A


2.594
1.280
.26 R
2 PLACES

DETAIL "A"

HOLE	QTY	DESCRIPTION
a	3	.264-.268 THRU ⌖ .004
b	21	.438 THRU 60° CSK TO .500 DIA ⌖ .006
c	26	.171-.179 THRU 100° CSK TO .280-.290 DIA

2900725-011	2900677-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+-	±.005	+-
--	±.02	--

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN Gruenewald DATE 18 OCT 65

CHECKED Ed Foster 26 OCT 65

APPROVAL

APPROVAL [illegible] 1-20-66

NASA APPROVAL A. C. [illegible]

MIT APPROVAL M.G. [illegible] 1-25-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COVER HALF, HOLDER,
COOLING COIL

CODE IDENT NO. 99974

SIZE E

2900874

SCALE FULL

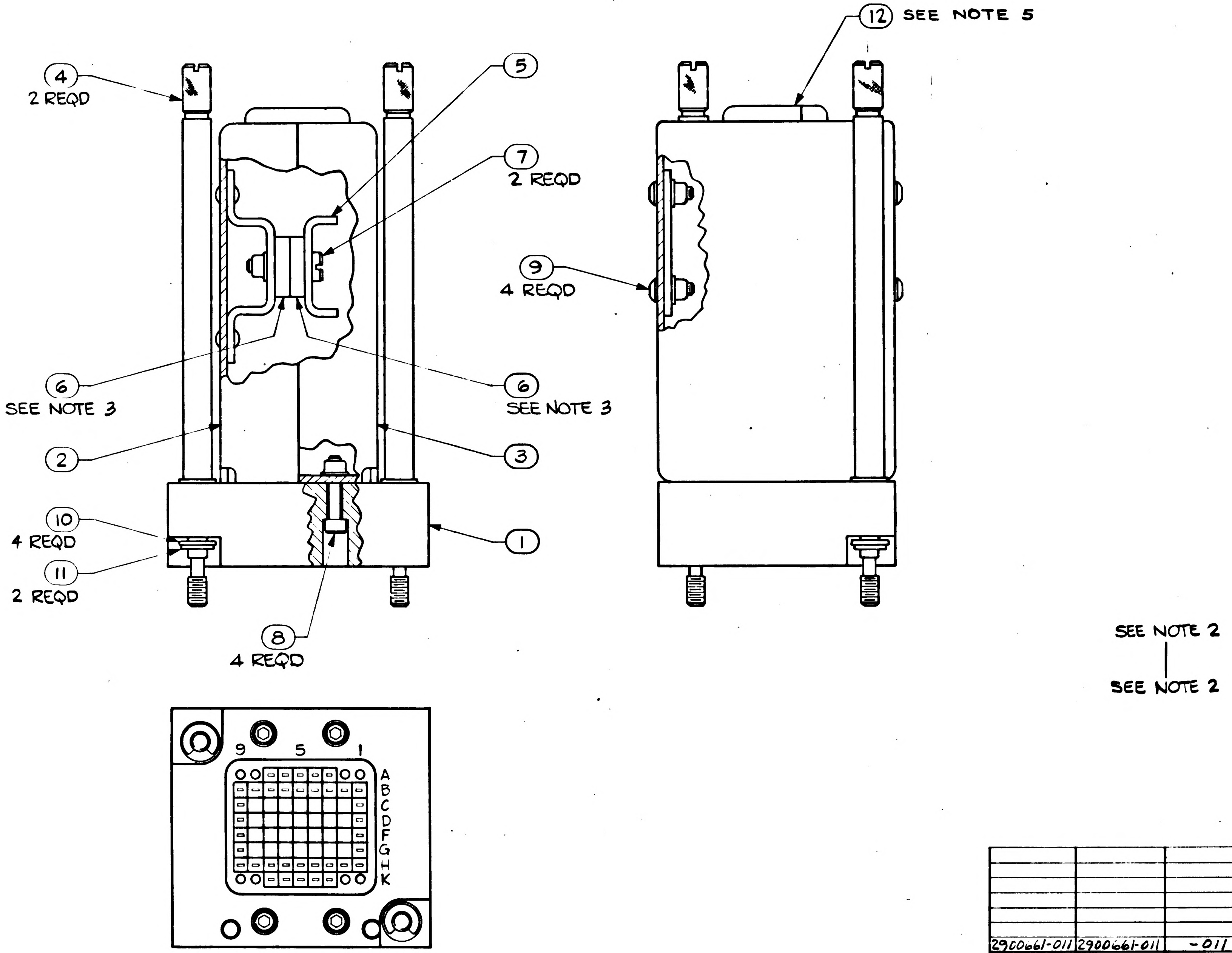
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ONE OF ITEM ⑥ TO ITEM ⑤ AND ONE TO ITEM ② PER ND1002151.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	GDR



QTY REQD	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1		12	MS35489-13	GROMMET, RUBBER
2		11	MS16633-4015	RING, RETAINING "E"
4		10	1897324-002	WASHER, FLAT
4		9	1006783-19	SCREW, BUTTON HD
4		8	1017418-11	SCREW, CAP SOC HD
2		7	1017429-4	SCREW, SHOULDER
2		6	2900580-002	GASKET
1		5	2900711-002	CLAMP, MOVABLE
2		4	2900676-002	SCREW, JACK
1		3	2900847	SHELL, COVER (INSEP ASSY)
1		2	2900846	SHELL, CLAMP (INSEP ASSY)
1		1	2900844	BASE, CONNECTOR (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN
ACSP PN
DRAWN DATE 6 OCT 65
CHECKED J. G. B. Ammons 13 OCT 65
APPROVAL R. Foss 14 OCT 65
APPROVAL C Snarling
NASA APPROVAL
MIT APPROVAL 20 Dec 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL (64 PIN) (OPTICS J9)

CODE IDENT NO. 99974
SIZE D
2900876
SCALE 2:1
SHEET 1 OF 1

13 OCT 65

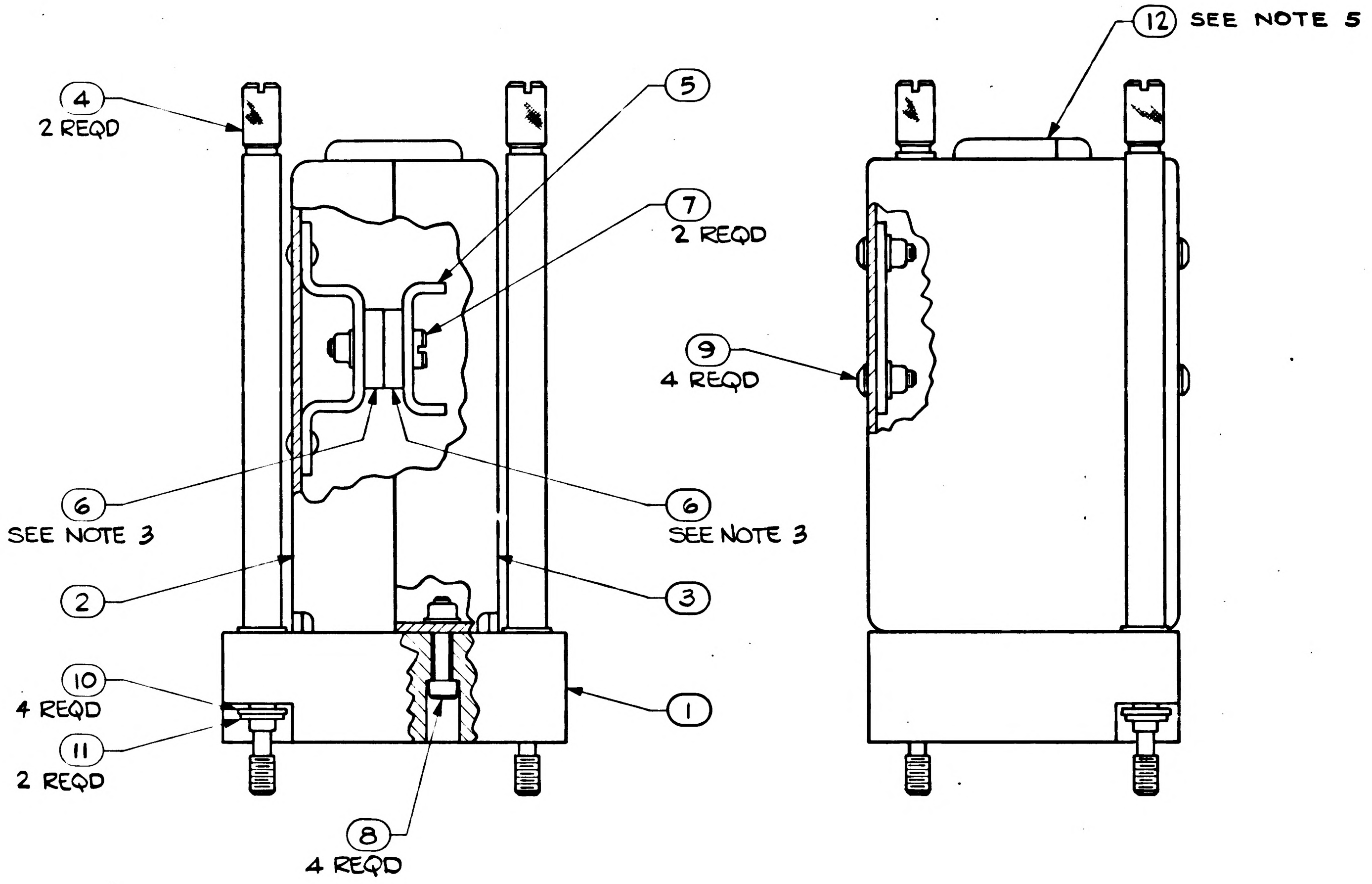
2900876 B

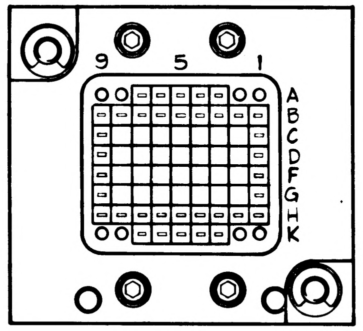
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ONE OF ITEM ⑥ TO ITEM ⑤ AND ONE TO ITEM ② PER ND1002151.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	G.D.R.
B		REVISED PER TDRR 25836		9 FEB 66	J.H.? W.D.





SEE NOTE 2

SEE NOTE 2

QUANTITY REQUIRED -011	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1	12	MS35489-13	GROMMET, RUBBER
2	11	MS16633-4015	RING, RETAINING "E"
4	10	1897324-002	WASHER, FLAT
4	9	1006783-19	SCREW, BUTTON HD
4	8	1017418-11	SCREW, CAP SOC HD
2	7	2901022-004	SCREW, SHOULDER
2	6	2900580-002	GASKET
1	5	2900711-002	CLAMP, MOVABLE
2	4	2900676-002	SCREW, JACK
1	3	2900847	SHELL, COVER (INSEP ASSY)
1	2	2900846	SHELL, CLAMP (INSEP ASSY)
1	1	2900844	BASE, CONNECTOR (INSEP ASSY)

EFFECTIVITY

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900659	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN J. G. E. DATE 6 OCT 65
CHECKED Moore 13 OCT 65
APPROVAL V. Foss 14 OCT 65
APPROVAL C Snerling 4/10
NASA APPROVAL A. Metzger / RTS
MIT APPROVAL 20 Apr 65

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, PLUG, ELECTRICAL (64 PIN) (OPTICS J9)

CODE IDENT NO 99974 SIZE D 2900876
SCALE 2:1 SHEET 1 OF 1

G. Tinkson 13 OCT 65

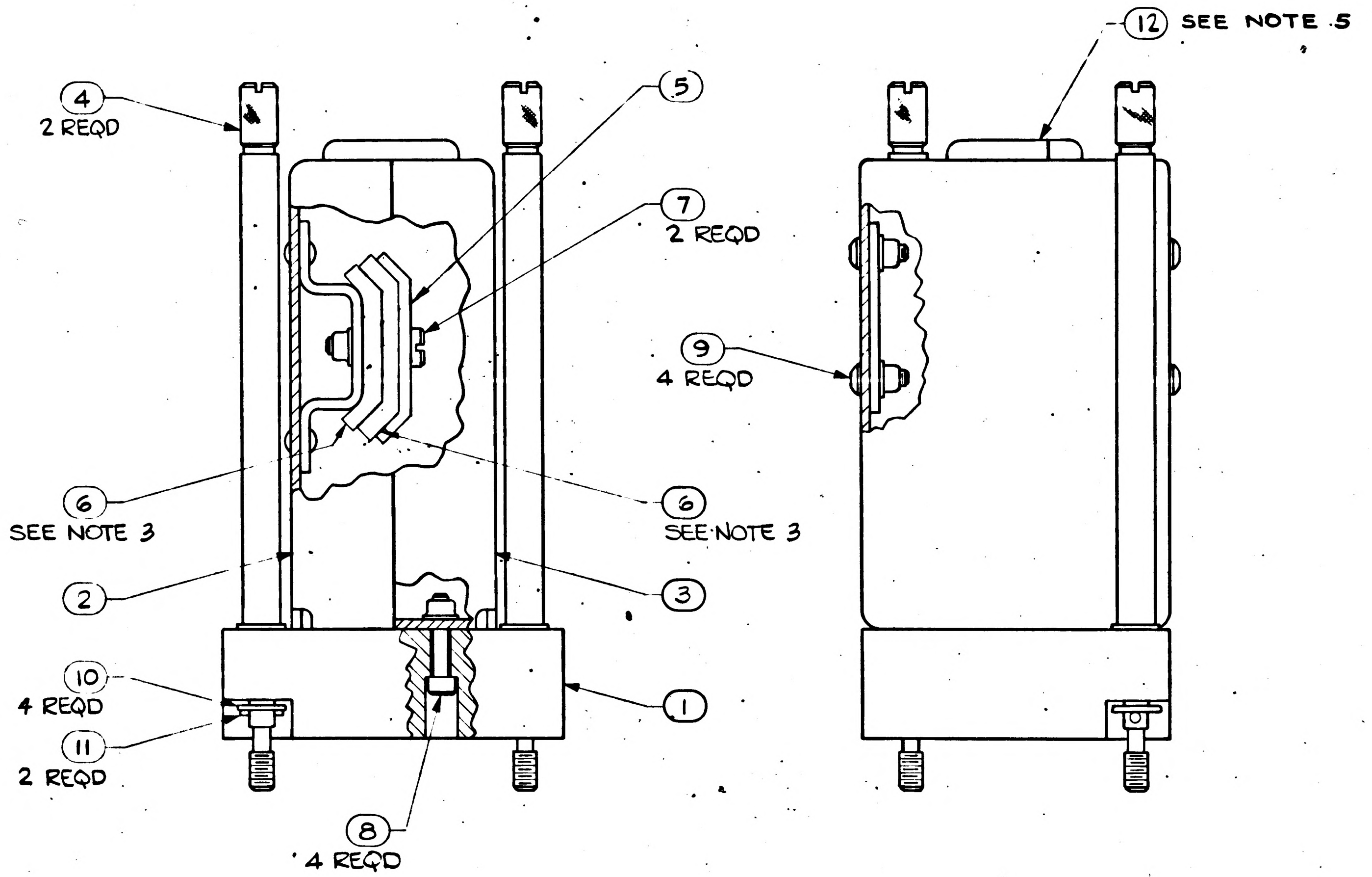
MIL 10780-F

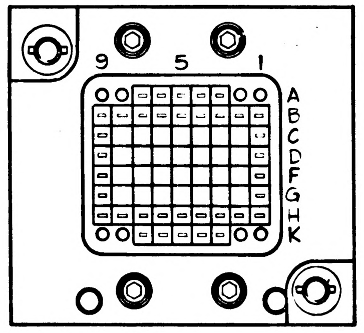
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ITEM ⑥ ONE TO ITEM ⑤ AND ONE TO ITEM ② PER ND1002151 USING ITEM ⑬.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

C | 2900876

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	GDR
Ⓜ B		REVISED PER TDRR 25836		9 FEB 66	J.H.P. W.D.
C		REVISED PER TDRR 33250		26 MAR 67	WRG RCB





SEE NOTE 2

SEE NOTE 2

QTY REQD	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
AR		13	MIL-A-5092	ADHESIVE, TYPE II
1		12	MS 35489-13	GROMMET, RUBBER
2		11	MS171433	PIN
4		10	1897324-002	WASHER, FLAT
4		9	1006783-19	SCREW, BUTTON HD
4		8	1017418-11	SCREW, CAP SOC HD
2		7	2901022-004	SCREW, SHOULDER
2		6	2901590-002	GASKET
1		5	2901591-002	CLAMP, MOVABLE
2		4	2901508	SCREW, EXT. RELIEVED BODY
1		3	2900847	SHELL, COVER (INSEP ASSY)
1		2	2900846	SHELL, CLAMP (INSEP ASSY)
1		1	2900844	BASE, CONNECTOR (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900659	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON
FRACTIONS + — DECIMALS + — ANGLES + —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE WISCONSIN

DRAWN 6 OCT 65
J.G.B. CHECKED 13 OCT 65
APPROVAL 14 OCT 65
APPROVAL C S 14/10
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, PLUG, ELECTRICAL
(64 PIN) (OPTICS J9)

CODE IDENT NO 99974 SIZE D 2900876

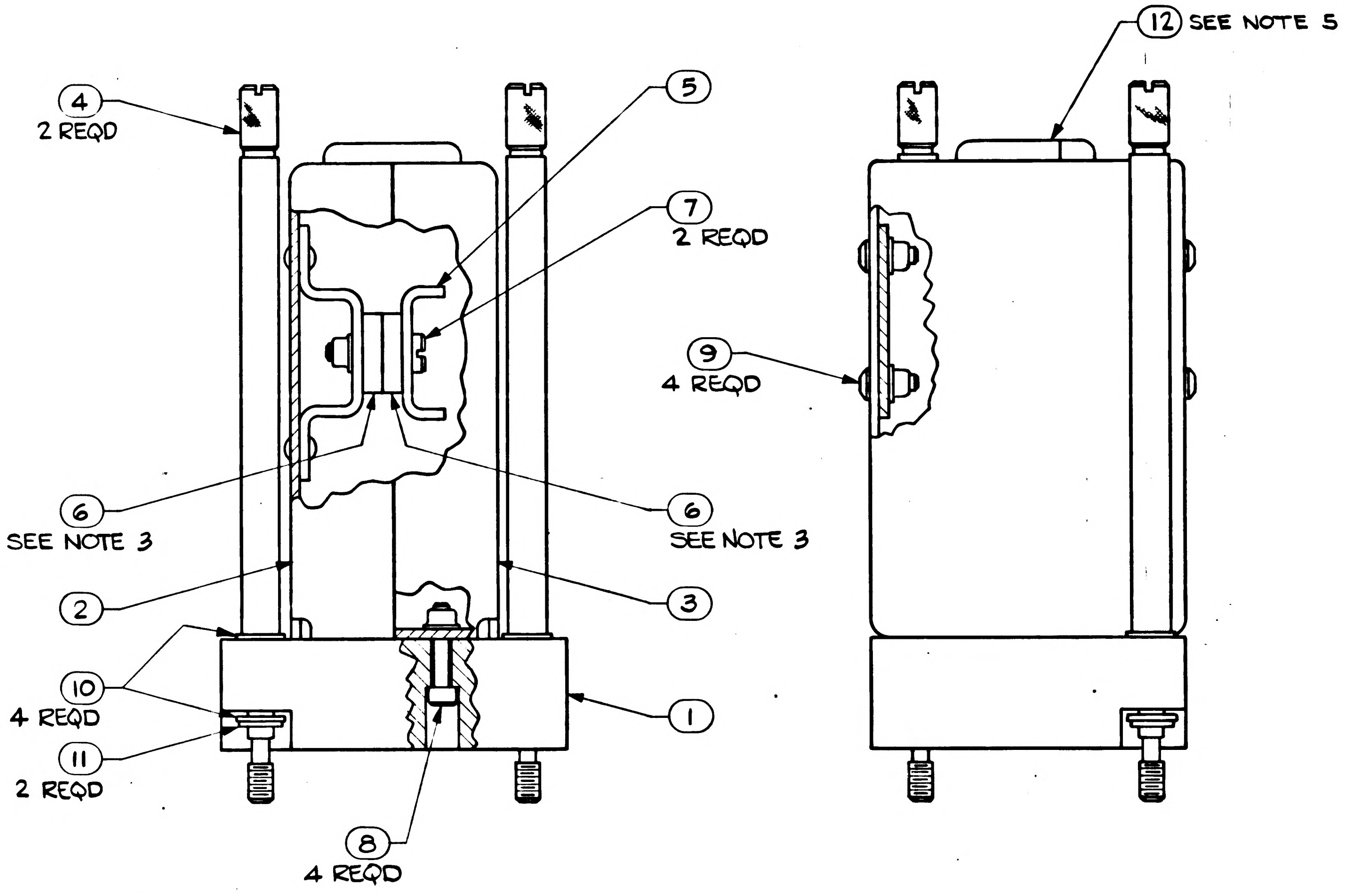
SCALE 2:1 SHEET 1 OF 1

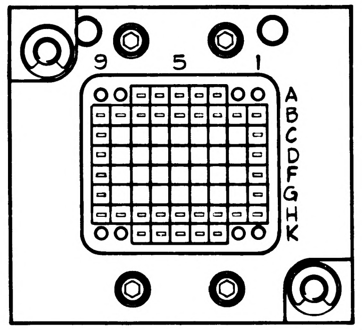
A 2900877

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ONE OF ITEM ⑥ TO ITEM ⑤ AND ONE TO ITEM ② PER ND 1002151.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		14 DEC 65	EM JAC





SEE NOTE 2

SEE NOTE 2

QUANTITY REQUIRED 011	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
1	12	MS35489-13	GROMMET, RUBBER
2	11	MS16633-4015	RING, RETAINING "E"
4	10	1897324-002	WASHER, FLAT
4	9	1006783-19	SCREW, BUTTON HD
4	8	1017418-11	SCREW, CAP SOC HD
2	7	1017429-4	SCREW, SHOULDER
2	6	2900580-002	GASKET
1	5	2900711-002	CLAMP, MOVABLE
2	4	2900676-002	SCREW, JACK
1	3	2900847	SHELL, COVER (INSEP ASSY)
1	2	2900846	SHELL, CLAMP (INSEP ASSY)
1	1	2900845	BASE, CONNECTOR (INSEP ASSY)

EFFECTIVITY

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN DATE 6 OCT 65
CHECKED 14 OCT 65
APPROVAL D. Foss 14 OCT 65
APPROVAL C Snarling 14/10
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(64 PIN) (POWER J8)

CODE IDENT NO. 99974
SIZE D
2900877
SCALE 2:1
SHEET 1 OF 1

G. Erickson 13 OCT 65

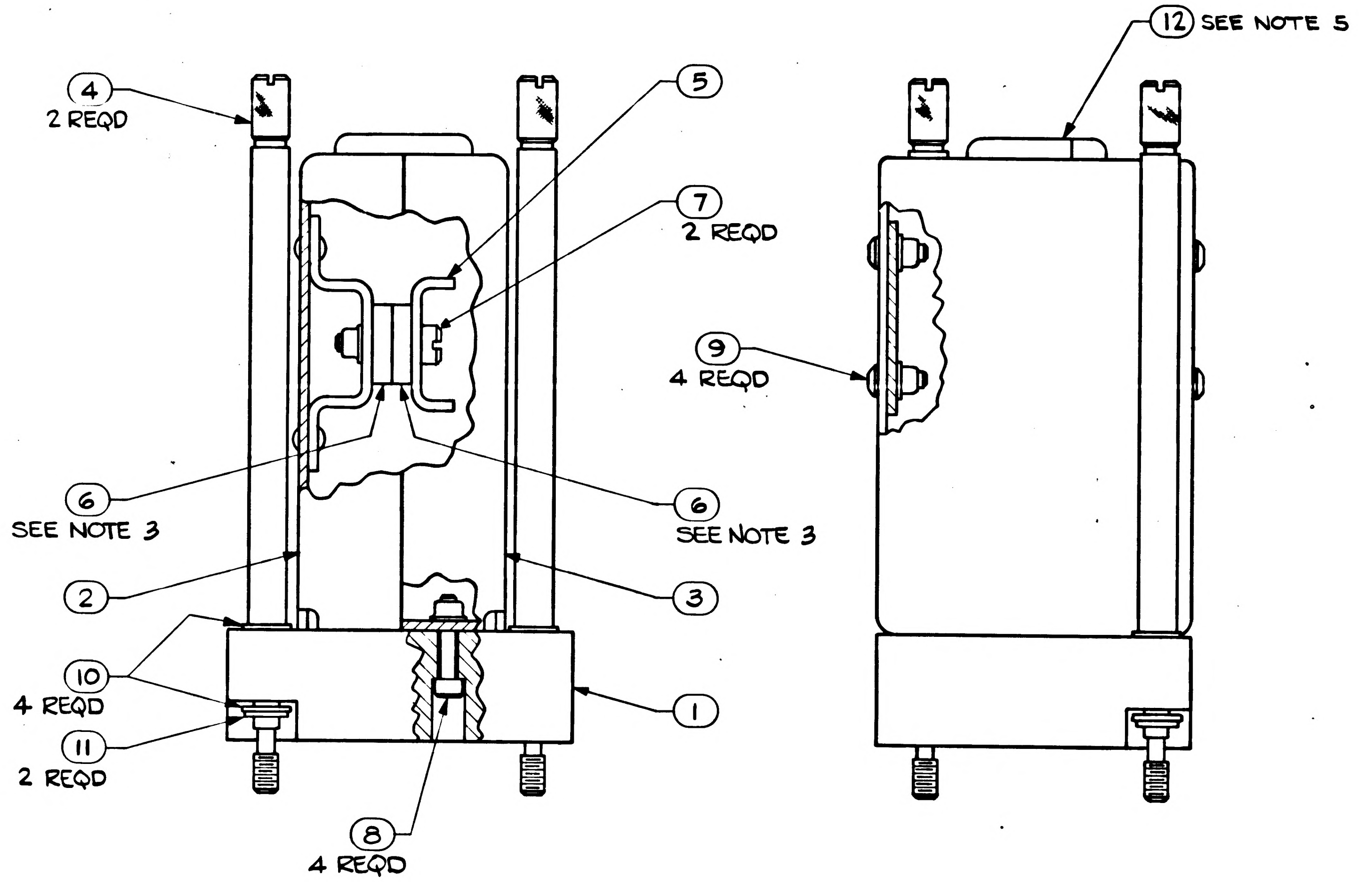
MIL 10780-F

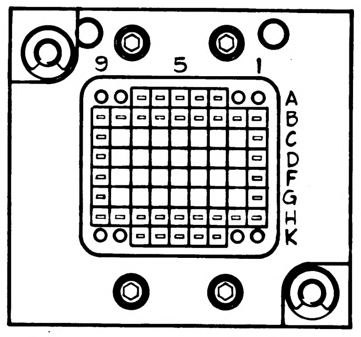
B 2900877

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ONE OF ITEM ⑥ TO ITEM ⑤ AND ONE TO ITEM ② PER ND1002151.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 24761		2 DEC 65	EM JAC
B		REVISED PER TDRR 25837		9 FEB 66	J.H.P. CP





SEE NOTE 2

SEE NOTE 2

			1		12	MS35489-13	GROMMET, RUBBER
			2		11	MS16633-4015	RING, RETAINING "E"
			4		10	1897324-002	WASHER, FLAT
			4		9	1006783-19	SCREW, BUTTON HD
			4		8	1017418-11	SCREW, CAP SOC HD
			2		7	2901022-004	SCREW, SHOULDER
			2		6	2900580-002	GASKET
			1		5	2900711-002	CLAMP, MOVABLE
			2		4	2900676-002	SCREW, JACK
			1		3	2900847	SHELL, COVER (INSEP ASSY)
			1		2	2900846	SHELL, CLAMP (INSEP ASSY)
			1		1	2900845	BASE, CONNECTOR (INSEP ASSY)
QUANTITY REQUIRED			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

2900652	2900652	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

H. Erickson 13OCT65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN [illegible] DATE 6 OCT 65
CHECKED J. G. [illegible] 14 OCT 65
APPROVAL R. Foss 14 OCT 65
APPROVAL C Snerling 14/10

NASA APPROVAL A. Metzger/ESS (Ben Swanson)
MIT APPROVAL W [illegible] 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(64 PIN) (POWER J8)

CODE IDENT NO. 99974
SIZE D
2900877
SCALE 2:1
SHEET 1 OF 1

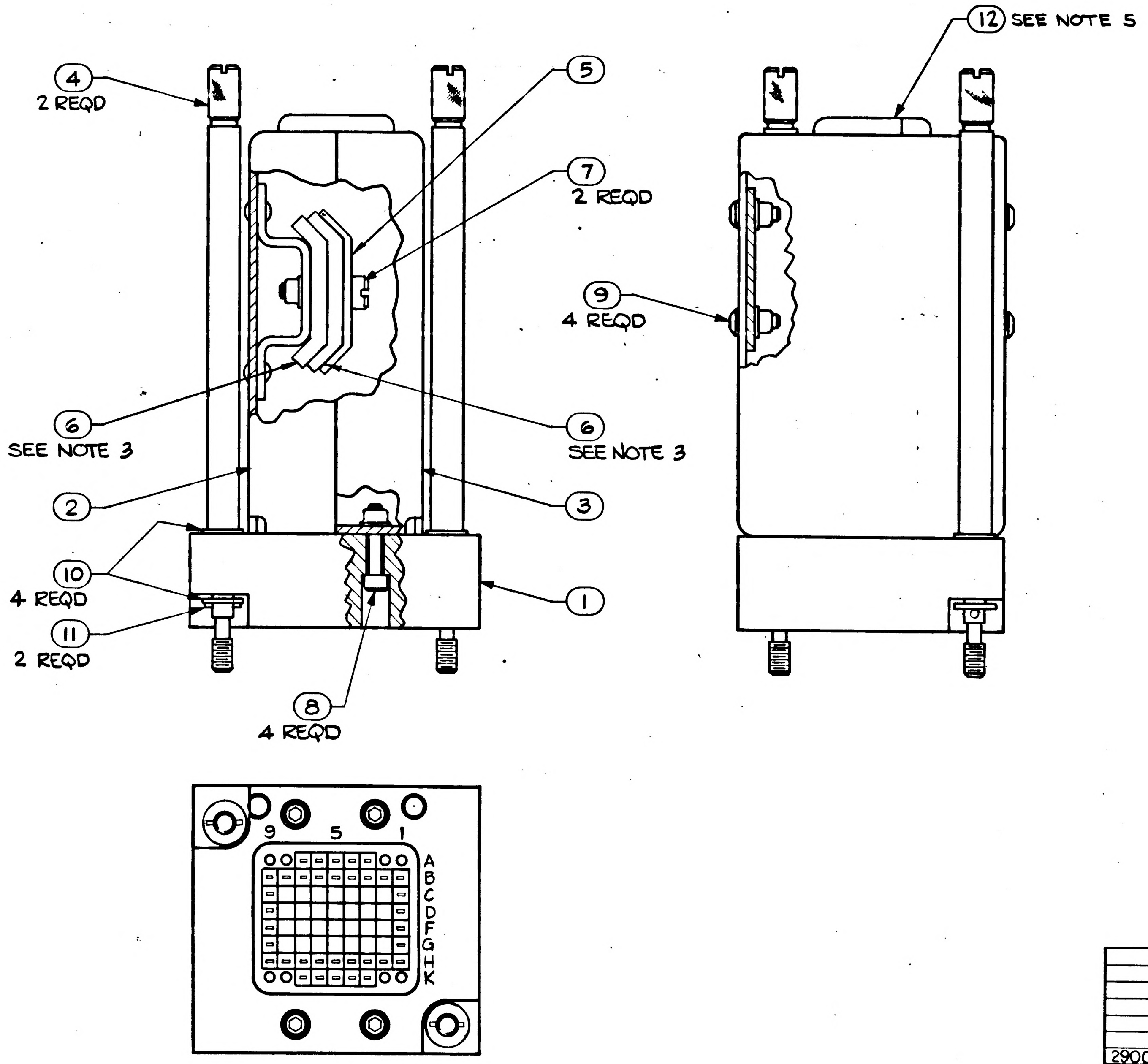
MIL 10780-F

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. BOND ONE OF ITEM ⑥ TO ITEM ⑤ AND ONE TO ITEM ② PER ND1002151 USING ITEM ⑬.
4. IDENTIFY USING DRAWING NO. PREFIXED BY ASSY WITH APPLICABLE DASH NO. PER MIL-STD-130 (ES267).
5. SPLIT ITEM ① AT ASSEMBLY PER MS-35489.

2900877 C

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 24761		14 DEC 65	EM JAC
B		REVISED PER TDRR 25837		9 FEB 66	J.H.P. CP
C		REVISED PER TDRR 33251		24 MAR 67	NEG RCB



SEE NOTE 2

SEE NOTE 2

			AR		13	MIL-A-5092	ADHESIVE, TYPE II
			1		12	MS35489-13	GROMMET, RUBBER
			2		11	MS171433	PIN
			4		10	1897324-002	WASHER, FLAT
			4		9	1006783-19	SCREW, BUTTON HD
			4		8	1017418-11	SCREW, CAP SOC HD
			2		7	2901022-004	SCREW, SHOULDER
			2		6	2901590-002	GASKET
			1		5	2901591-002	CLAMP, MOVABLE
			2		4	2901508	SCREW, EXT. RELIEVED BODY
			1		3	2900847	SHELL, COVER (INSEP ASSY)
			1		2	2900846	SHELL, CLAMP (INSEP ASSY)
			1		1	2900845	BASE, CONNECTOR (INSEP ASSY)
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900652	2900652	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

G. Erickson 13 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN

DRAWN DATE 6 OCT 65
CHECKED J. G. Eymundson 14 OCT 65
APPROVAL R. Foss 14 OCT 65
APPROVAL C Sperling 14/10
NASA APPROVAL
MIT APPROVAL

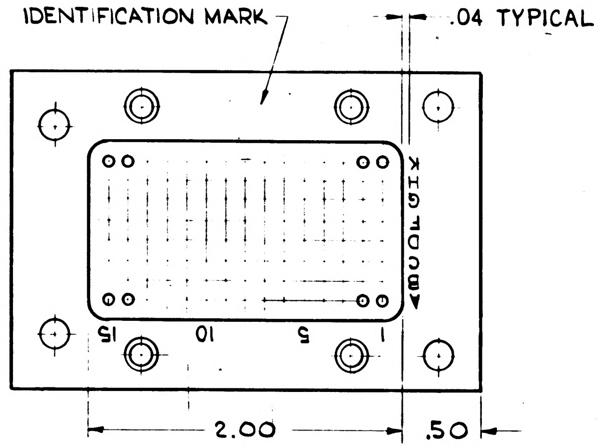
MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

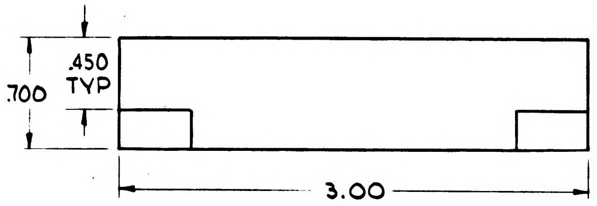
CONNECTOR, PLUG, ELECTRICAL
(64 PIN) (POWER J8)

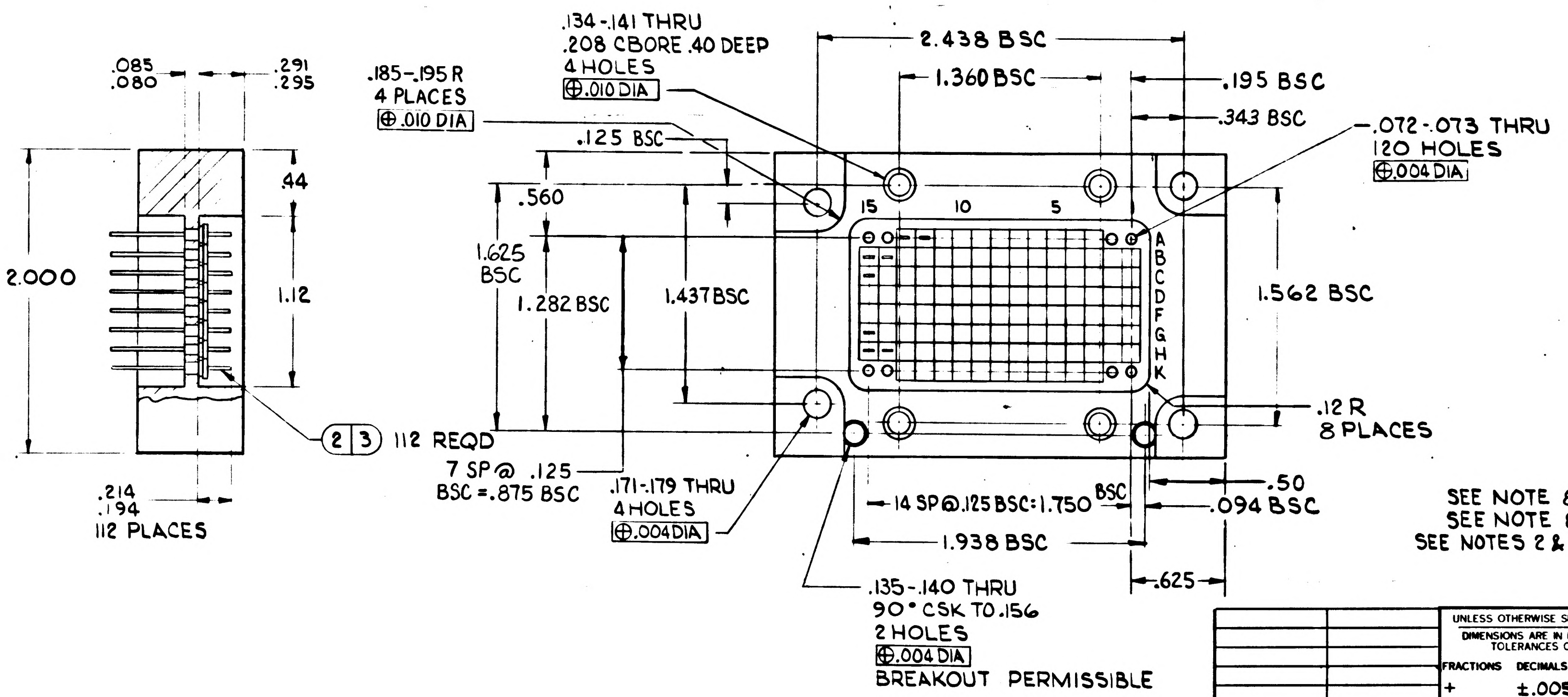
CODE IDENT NO. 99974
SIZE D
2900877
SCALE 2:1
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11 TEMPER T651 AL ALY,(6061,ES2106).
3. FINISH: MIL-A-8625, TYPE I (ANODIZE, ES385)
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130(ES267).
5. MARK CHARACTERS PER ND1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
6. MUST BE FREE FROM BURRS.
7. UNLESS OTHERWISE SPECIFIED:
   - A. ALL CORNERS TO BE .010 R OR CHAMFER
   - B. SURFACE ROUGHNESS NOT TO EXCEED $\sqrt{}^{125}$
8. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
9. *THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.*


IDENTIFICATION MARK
.04 TYPICAL
A B C D F G H K
15 10 5 1
2.00
.50


.450 TYP
.700
3.00


.085
.080
.291
.295
.44
2.000
1.12
2 3 112 REQD
.214
.194
112 PLACES
.185-.195 R
4 PLACES
⊕.010 DIA
.134-.141 THRU
.208 CBORE .40 DEEP
4 HOLES
⊕.010 DIA
.125 BSC
.560
1.625 BSC
1.282 BSC
1.437 BSC
7 SP@ .125 BSC=.875 BSC
.171-.179 THRU
4 HOLES
⊕.004 DIA
2.438 BSC
1.360 BSC
.195 BSC
.343 BSC
.072-.073 THRU
120 HOLES
⊕.004 DIA
15 10 5
A B C D F G H K
1.562 BSC
.12 R
8 PLACES
.50
.094 BSC
14 SP@.125 BSC=1.750 BSC
1.938 BSC
.625
.135-.140 THRU
90° CSK TO .156
2 HOLES
⊕.004 DIA
BREAKOUT PERMISSIBLE

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24701		13 DEC 65	G.O.R.

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 8	3	112	1897262-002	CONTACT, ELECTRICAL-MALE
SEE NOTE 8	2	112	1897264	INSULATOR, BUSHING-MALE
SEE NOTES 2 & 3	1	1	2900878-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900850-011	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+	±.005	+
−	±.02	−

DO NOT SCALE THIS DRAWING

MATERIAL ———

CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

ACSP PN

DRAWN S. Agne DATE 6 OCT 65
CHECKED 13 OCT 65
APPROVAL 13 OCT 65
APPROVAL C Snelling
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

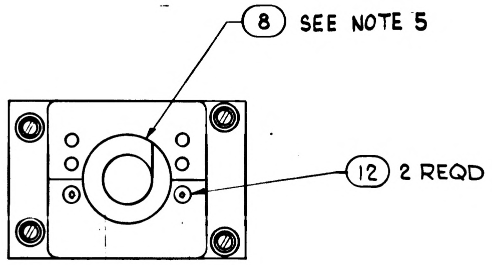
CODE IDENT NO. 99974
SIZE D
2900878
SCALE 2/1
SHEET OF 1

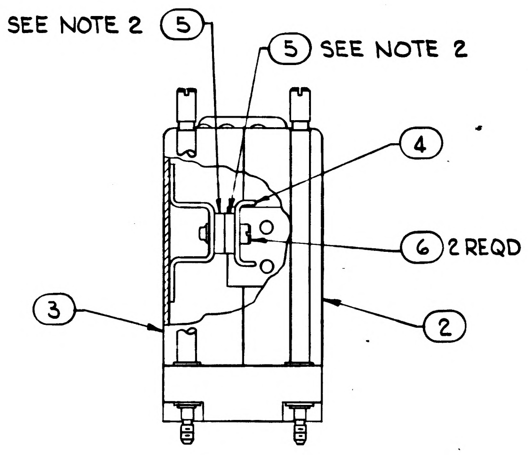
Erickson 13 OCT 65

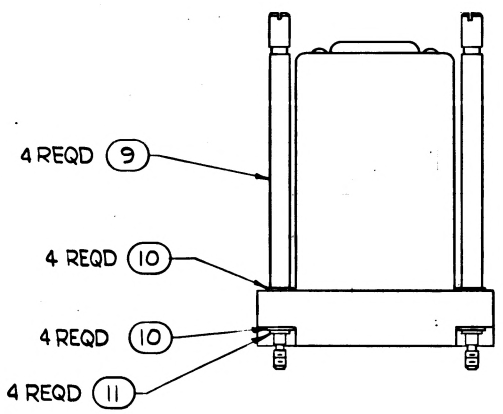
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	GOR

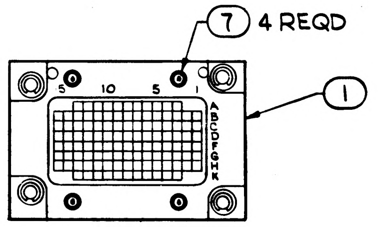
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3	2		12	1006783-19	SCREW
	4		11	MS16633-4015	RING, RETAINING
SEE NOTE 3	8		10	1897324-002	WASHER
	4		9	2900676-2	SCREW, JACK
	1		8	MS35489-16	GROMMET
	4		7	1017418-11	SCREW
	2		6	1017429-4	SCREW, SHOULDER
	2		5	2900580-007	GASKET
	1		4	2900711-007	CLAMP, MOVABLE
	1		3	2900848	SHELL, CLAMP (INSEP ASSY)
	1		2	2900849	SHELL, COVER (INSEP ASSY)
	1		1	2900851	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN S. Agne DATE 6 OCT 65
CHECKED Kautzer 11 OCT 65
APPROVAL 11 OCT 65
APPROVAL C Snelling 12/26
NASA APPROVAL A. Metzger/RTT
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 112 PIN (GSE, G&N PANEL-J7)

CODE IDENT NO. 99974
SIZE D
2900879
SCALE 1/1
SHEET 1 OF 1

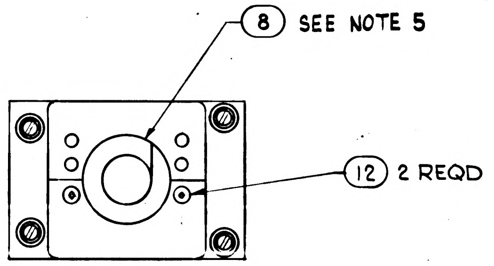
G. Erickson 13 Oct 65

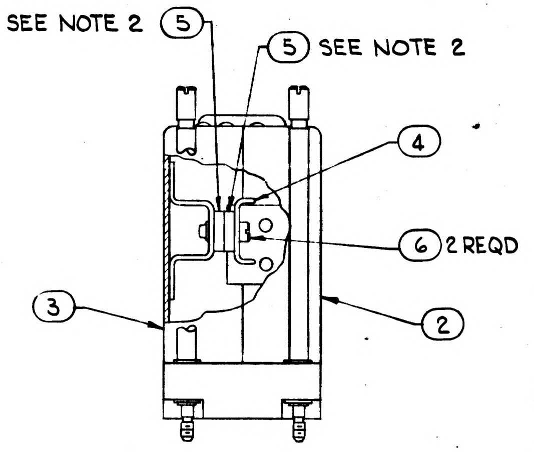
B | 2900879 | 2

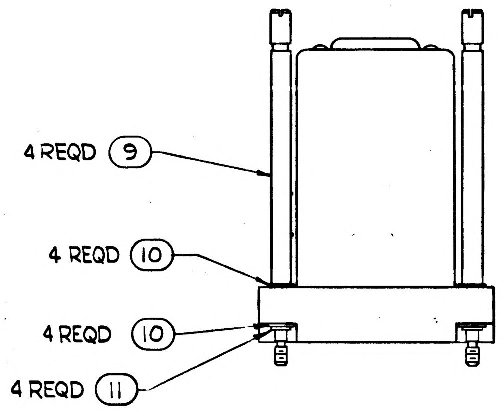
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	GOR
B		REVISED PER TDRR 27713		13 APR 66	J.H.P. A.J

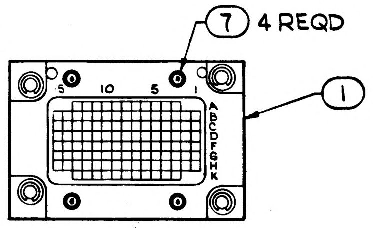
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









	QUANTITY REQUIRED							
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3				2		12	1006783-19	SCREW
				4		11	MS16633-4015	RING, RETAINING
SEE NOTE 3				8		10	1897324-002	WASHER
				4		9	2900676-2	SCREW, JACK
				1		8	MS35489-16	GROMMET
				4		7	1017418-11	SCREW
				2		6	2901022-003	SCREW, SHOULDER
				2		5	2900580-007	GASKET
				1		4	2900711-007	CLAMP, MOVABLE
				1		3	2900848	SHELL, CLAMP (INSEP ASSY)
				1		2	2900849	SHELL, COVER (INSEP ASSY)
				1		1	2900851	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

APPLICATION		
NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900712-011	-011

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± —
DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN S. Agne DATE 6 OCT 65
CHECKED [illegible] 11 OCT 65
APPROVAL [illegible] 11 Oct 65
APPROVAL C Snedley 12/2
NASA APPROVAL A. [illegible] / RJT
MIT APPROVAL [illegible] 20 Dec 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

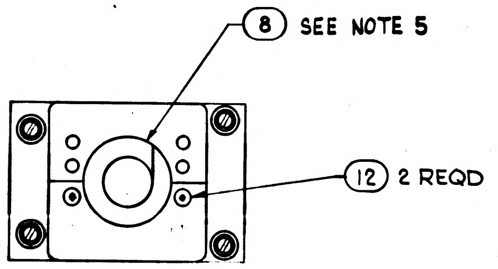
CONNECTOR, PLUG,
ELECTRICAL - 112 PIN
(GSE, G&N PANEL-J7)

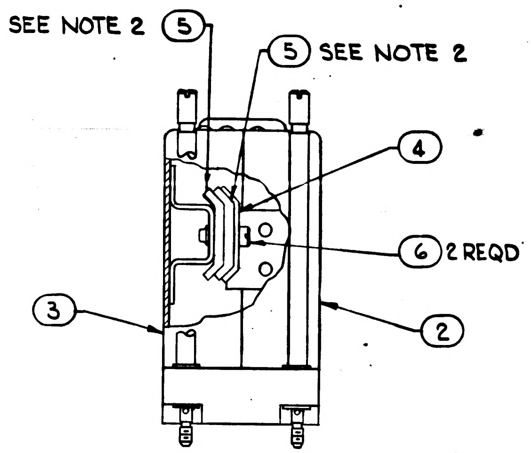
CODE IDENT NO. 99974
SIZE D
2900879
SCALE 1/1
SHEET 1 OF 1

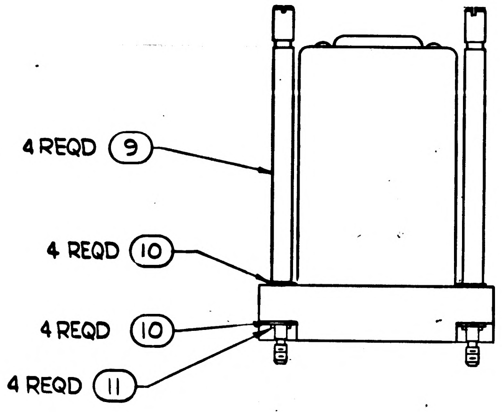
G. Erickson 13 OCT 65

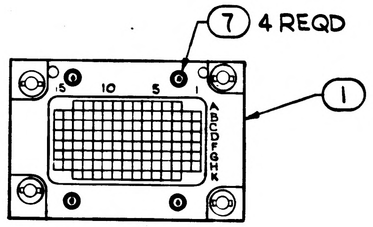
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151 USING ITEM ⑬.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









C | 2900879 | 2

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
Ⓜ A		INITIAL RELEASE CLASS A PER TDRR 24761		13 DEC 65	GOR
Ⓜ B		REVISED PER TDRR 27713		13 APR 66	J.H.P. A.J.
C		REVISED PER TDRR 33252		24 MAR 67	NRG RCB

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			AR		13	MIL-A-5092	ADHESIVE, TYPE II
			2		12	1006783-19	SCREW
			4		11	MS171433	PIN
			8		10	1897324-002	WASHER
			4		9	2901508	SCREW EXT. RELIEVED BODY
			1		8	MS35489-16	GROMMET
			4		7	1017418-11	SCREW
			2		6	2901022-003	SCREW, SHOULDER
			2		5	2901590-007	GASKET
			1		4	2901591-007	CLAMP, MOVABLE
			1		3	2900848	SHELL, CLAMP (INSEP ASSY)
			1		2	2900849	SHELL, COVER (INSEP ASSY)
			1		1	2900851	BASE, CONNECTOR

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

SEE NOTE 3

SEE NOTE 3

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900659	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± __ DECIMALS ± __ ANGLES ± __

DO NOT SCALE THIS DRAWING

MATERIAL ——

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN S. Agne DATE 6 OCT 65
CHECKED 11 OCT 65
APPROVAL 11 OCT 65
APPROVAL 12/20
NASA APPROVAL
MIT APPROVAL 20 Dec 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 112 PIN
(GSE, G&N PANEL-J7)

CODE IDENT NO. 99974 SIZE D 2900879

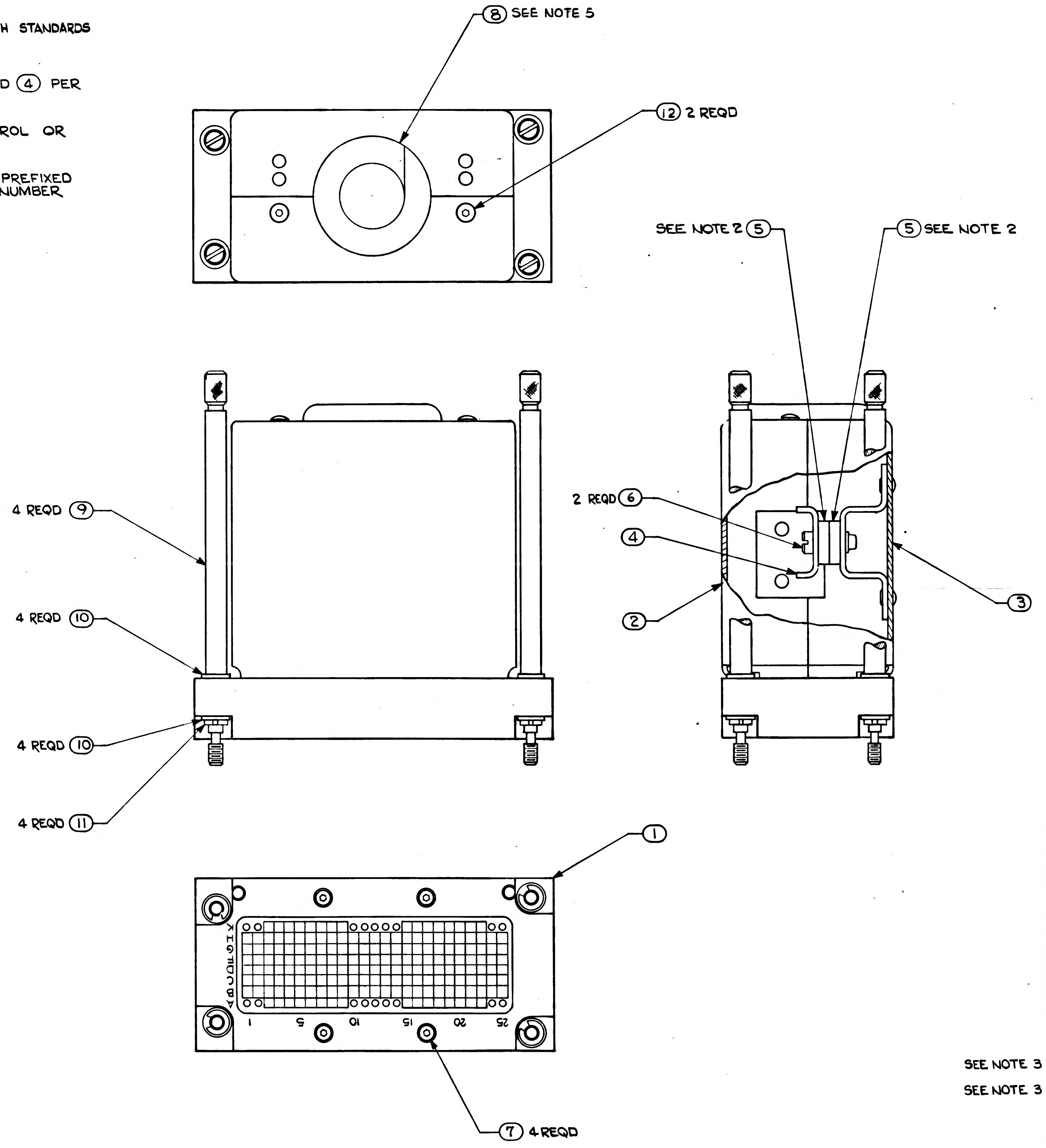
SCALE 1/1 SHEET 1 OF 1

H. Erickson 13 OCT 65

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR TDRR 24761		[illegible]	[illegible]

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEMS ③ AND ④ PER ND.002.5.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.



	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3	2		12	1006783-19	SCREW, BUTTON HD
SEE NOTE 3	4		11	MS16633-4015	RING, RETAINING "E"
	8		10	1897324-002	WASHER, FLAT
	4		9	2900676-2	SCREW, JACK
	1		8	MS35489-20	GROMMET, RUBBER
	4		7	1017418-11	SCREW, CAP, SOC HD
	2		6	1017429-4	SCREW, SHOULDER
	2		5	2900580-004	GASKET
	1		4	29007[illegible]-004	CLAMP, MOVABLE
	1		3	2900843	SHELL, CLAMP (NSEP ASSY)
	1		2	2900842	SHELL, COVER (NSEP ASSY)
	1		1	2900881	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900661-011	2900661-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

H Erickson 13 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Kotecki DATE 23SEP65
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

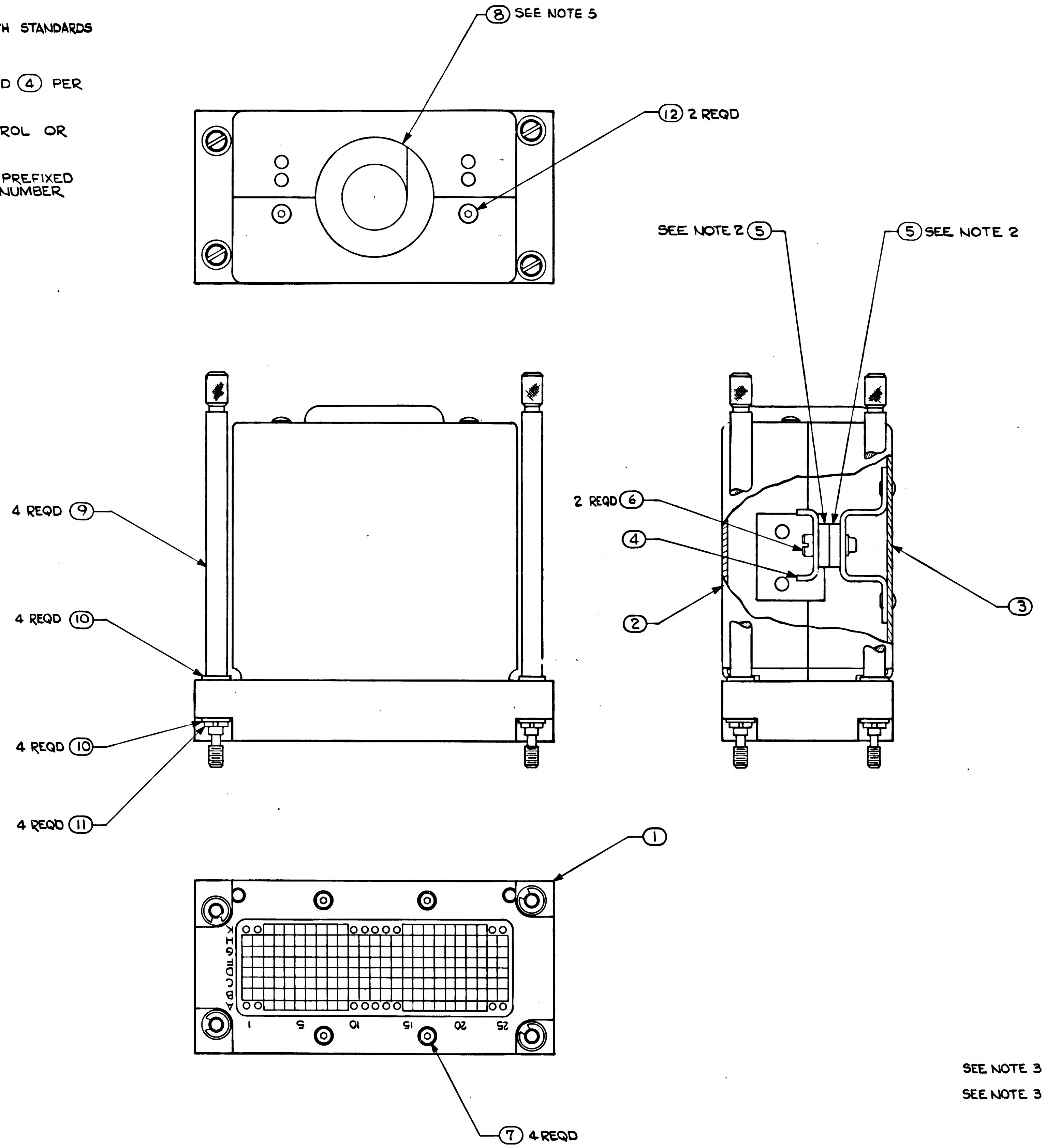
CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
[illegible]

CODE IDENT NO 99974
SIZE E
2900880
SCALE 2/1
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEMS ③ AND ④ PER ND.002.5.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
①	A	INITIAL RELEASE CLASS A PER TDRR TDRR 24761		3 DEC 65	
	B	REVISED PER TDRR 28991		23 MAY 66	PHG CP



				QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 3				2		12	1006783-19	SCREW, BUTTON HD
				4		11	MS16633-4015	RING, RETAINING "E"
SEE NOTE 3				8		10	1897324-002	WASHER, FLAT
				4		9	2900676-2	SCREW, JACK
				1		8	MS35489-20	GROMMET, RUBBER
				4		7	1017418-11	SCREW, CAP, SOC HD
				2		6	2901022-004	SCREW, SHOULDER
				2		5	2900580-004	GASKET
				1		4	2900711-004	CLAMP, MOVABLE
				1		3	2900843	SHELL, CLAMP (INSEP ASSY)
				1		2	2900842	SHELL, COVER (INSEP ASSY)
				1		1	2900881	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900658	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Hticik DATE 23 SEP 65
CHECKED 1 OCT 65
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
(GSE, SIGNAL COND. [illegible])

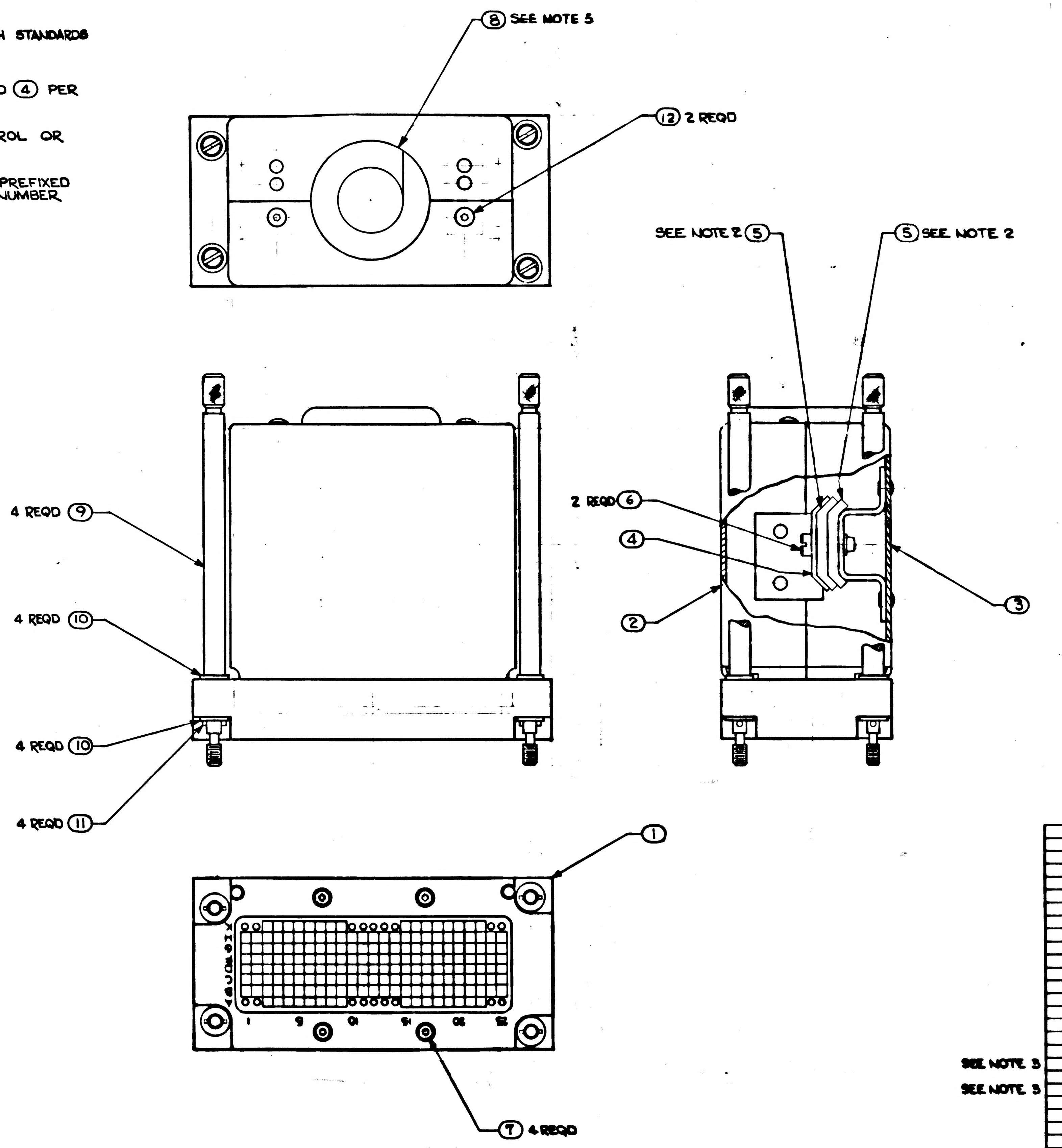
CODE IDENT NO 99974
SIZE E
2900880
SCALE 2/1
SHEET 1 OF 1

H Erickson 13 OCT 65

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR TDRR 24761		3 DEC 65	G.O.R
	B	REVISED PER TDRR 28991		23 MAY 66	PHG C
	C	REVISED PER TDRR 33253		26 MAR 67	WRG RCB

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEMS ③ AND ④ PER ND.002151 USING ITEM ⑬.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY ASSY WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.



QTY REQD	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION	
AR	13	MIL-A-5092	TYPE II ADHESIVE	
2	12	1006783-19	SCREW, BUTTON HD	SEE NOTE 3
4	11	MS171433	PIN	
8	10	1897324-002	WASHER, FLAT	SEE NOTE 3
4	9	2901508	SCREW, FLT. RELIEVED BODY	
1	8	MS35489-20	GROMMET, RUBBER	
4	7	1017418-11	SCREW, CAP, SOC HD	
2	6	2901022-004	SCREW, SHOULDER	
2	5	2901590-004	GASKET	
1	4	2901591-004	CLAMP, MOVABLE	
1	3	2900843	SHELL, CLAMP (INSEP ASSY)	
1	2	2900842	SHELL, COVER (INSEP ASSY)	
1	1	2900881	BASE, CONNECTOR	

QUANTITY REQUIRED — EFFECTIVITY — LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900658	2900712-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN 23 SEP 65
CHECKED DATE 1 OCT 65
APPROVAL 14 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL
(182 PIN)
(GSE, SIGNAL COND J-10)

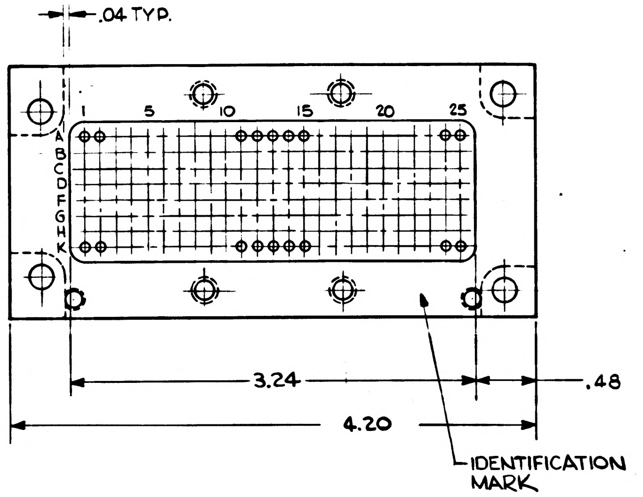
CODE IDENT NO. 99574
SIZE E
2900880
SCALE 2/1
SHEET 1 OF 1

13 OCT 65

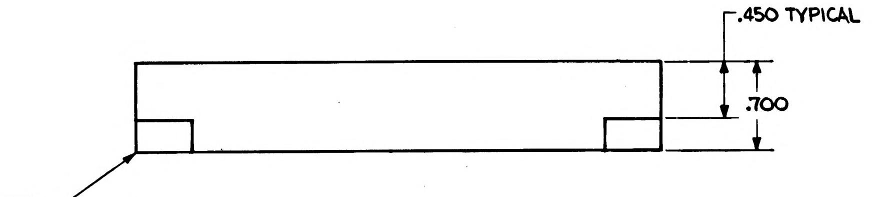
REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 24761		3 DEC 65	

NOTES:

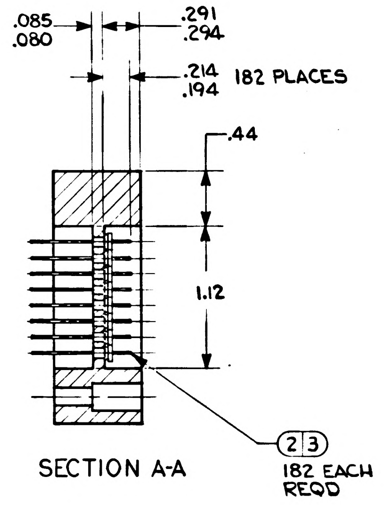
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TEMPER T651, ALUMINUM ALLOY, (6061, ES2106).
3. FINISH: MIL-A-8625, TYPE I, ANODIZE (ES385).
4. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
5. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
6. MARK CHARACTERS PER ND 1002019, .09 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN.
7. MUST BE FREE FROM BURRS.
8. UNLESS OTHERWISE SPECIFIED:
    A. ALL CORNERS TO BE .010 R. OR CHAMFER.
    B. SURFACE ROUGHNESS NOT TO EXCEED 125/√.
9. *THE CONTACTS SHALL WITHSTAND A MINIMUM PUSHOUT LOAD OF 12 POUNDS IN EITHER DIRECTION AT THE RATE OF ONE POUND PER SECOND.*



.04 TYP.
1
5
10
15
20
25
A
B
C
D
E
F
G
H
J
K
3.24
.48
4.20
IDENTIFICATION MARK

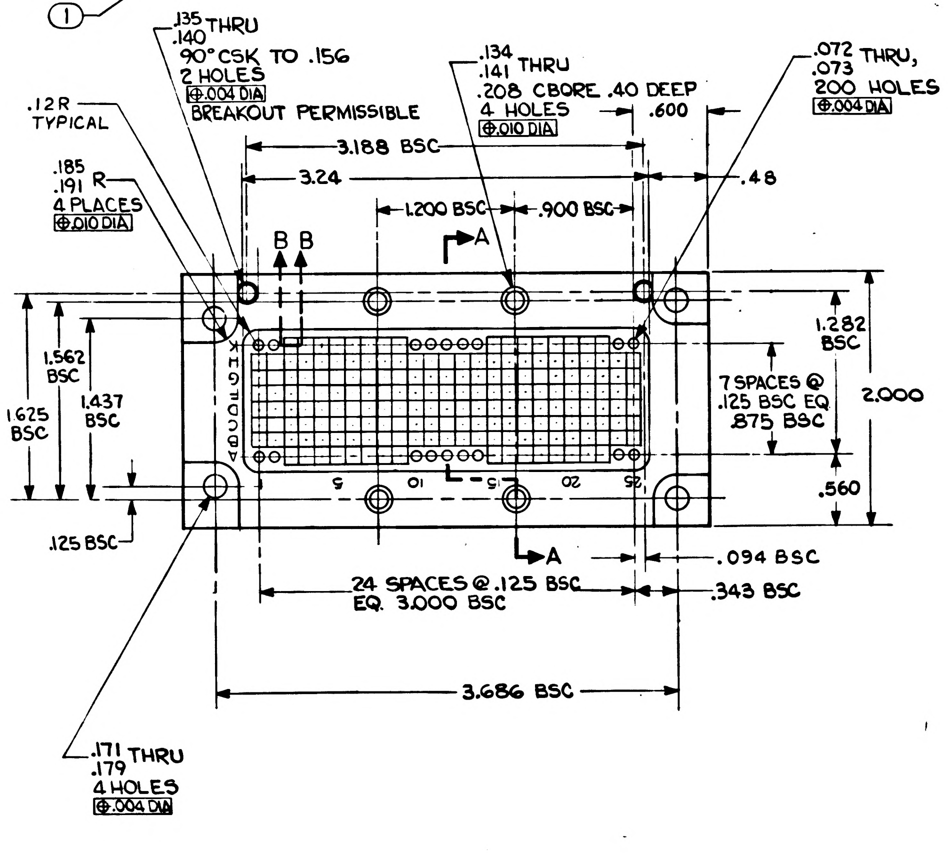


.450 TYPICAL
.700
1

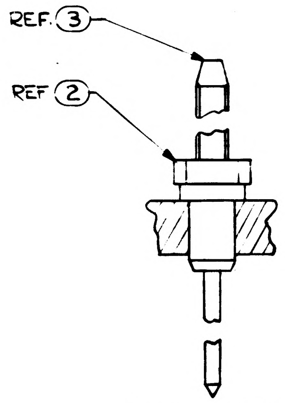


.085
.080
.291
.294
.214
.194
182 PLACES
.44
1.12
2
3
182 EACH REQD

SECTION A-A



.135
.140
THRU
90° CSK TO .156
2 HOLES
⊕ .004 DIA
BREAKOUT PERMISSIBLE
.134
.141
THRU
.208 CBORE .40 DEEP
4 HOLES
⊕ .010 DIA
.600
.072
.073
THRU,
200 HOLES
⊕ .004 DIA
.12R
TYPICAL
3.188 BSC
3.24
.48
.185
.191
R
4 PLACES
⊕ .010 DIA
1.200 BSC
.900 BSC
B
B
A
1.282 BSC
1.562 BSC
1.625 BSC
1.437 BSC
7 SPACES @ .125 BSC EQ .875 BSC
2.000
.560
.125 BSC
A
.094 BSC
24 SPACES @ .125 BSC EQ. 3.000 BSC
.343 BSC
3.686 BSC
.171
.179
THRU
4 HOLES
⊕ .004 DIA



PARTIAL SECTION B-B
SCALE 10/1

	ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7	3	182	1897262-002	CONTACT, ELECTRICAL-VALE
SEE NOTE 7	2	182	1897264	INSULATOR, BUSHING-VALE
SEE NOTES 2&3	1	1	2900881-001	BASE, CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900880-011	2900661-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.02 ±.005 ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL AS NOTED
CONTRACT NAS 9-497
W. Erickson 13 OCT 65

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN R. Sutioel DATE 1 OCT 65
CHECKED
APPROVAL R. Foss 4 OCT 65
APPROVAL
NASA APPROVAL
MIT APPROVAL

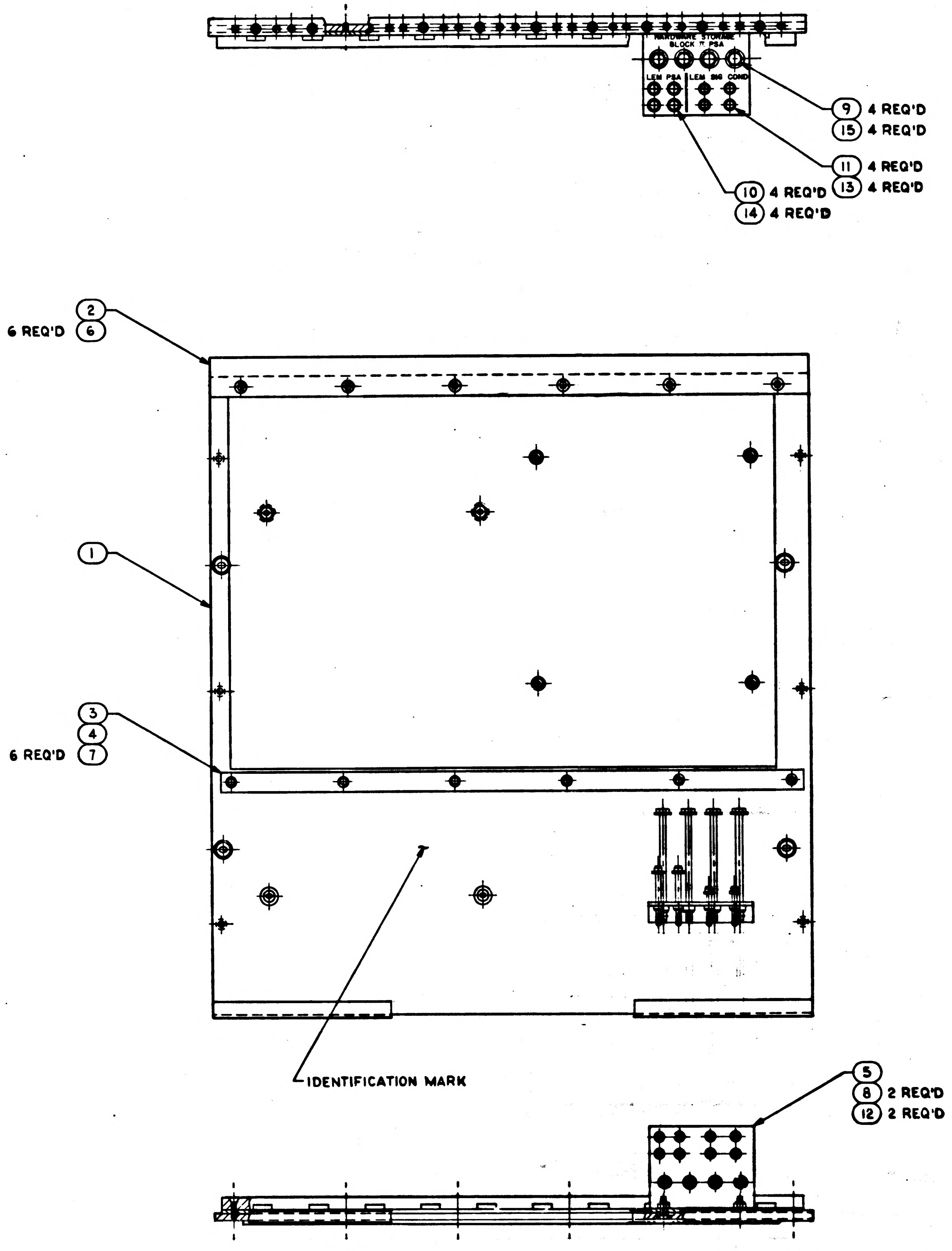
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BASE, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900881
SCALE 2/1
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
3. VENDOR ITEM, SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 26074		25 JAN 66	



	QTY REQUIRED	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	4		15	MS15795-810	WASHER, FLAT
	4		14	MS15795-808	WASHER, FLAT
	4		13	MS15795-807	WASHER, FLAT
SEE NOTE 3	2		12	1016151-008	NUT, SELFLOCKING
	4		11	NAS1352C08-20	(1897014-032) SCREW, CAP, SCH
	4		10	NAS1351C3-28	(1897033-046) SCREW, CAP, SCH
	4		9	MS35308-323	SCREW, CAP, HEX HD
SEE NOTE 3	2		8	1006783-27	SCREW, BUTTON HD, HEX SOC
SEE NOTE 3	6		7	1015826-308	SCREW, FLAT HD
SEE NOTE 3	6		6	1015826-294	SCREW, FLAT HD
	1		5	2900885	BRACKET, STORAGE (INSEP ASSY)
	1		4	1900947	SHIM
	1		3	1900946	RETAINER, TANG
	1		2	2900884	CAP, TOE
	1		1	2900886	SHELF, UPPER (INSEP ASSY)
	-011				

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900009-031	1900009-031	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ± — ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP.
ACSP PN
DRAWN 5 NOV 65
CHECKED 11 NOV 65
APPROVAL A. Smith 15 Nov 65
APPROVAL 2-7-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL 9 Feb 66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

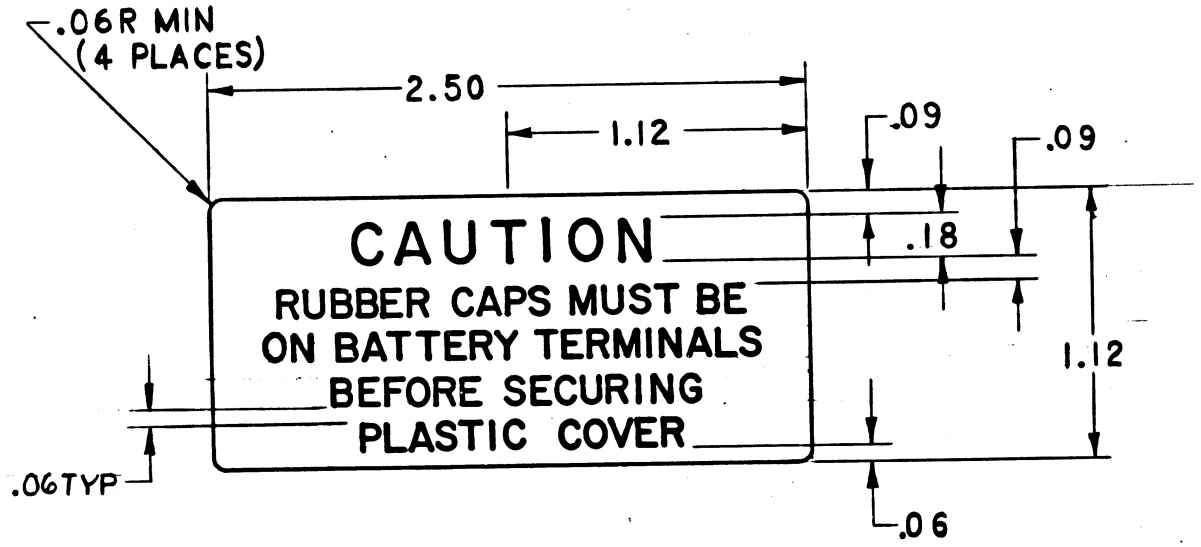
UPPER SHELF ASSEMBLY - TRANSPORTATION CART GEN

CODE IDENT NO. 99974
SIZE E
2900887
SCALE 1:2
SHEET 1 OF 1

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		REVISED PER MXC 207001		1 DEC 65	RP
B		UPGRADED TO CLASS A PER TDRR 25325	—	7 DEC 65	JJ

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: MIL-P-19834, TYPE II, SOLVENT ACTIVATED, BACKGROUND RED MATTE ANODIZED (ALUMINUM CHARACTERS)
3. MARKING: MARK CHARACTERS PER ND 1002019, .12 HIGH, UNLESS OTHERWISE SPECIFIED. CENTRALIZE AS SHOWN.


.06R MIN
(4 PLACES)
2.50
1.12
.09
.09
.18
1.12
.06
.06TYP
CAUTION
RUBBER CAPS MUST BE
ON BATTERY TERMINALS
BEFORE SECURING
PLASTIC COVER

2900827-011	2900812-011	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± — DECIMALS ±.02 ANGLES ± — DO NOT SCALE THIS DRAWING	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS. DRAWN Patterson DATE 20 OCT 65 CHECKED Ed Foster 22 OCT 65 APPROVAL D.R. Tschabold 22 OCT 65 APPROVAL [illegible] 1-11-66	MANNED SPACECRAFT CENTER HOUSTON, TEXAS CAUTION PLATE, SELF BONDING
NEXT ASSY	USED ON	MATERIAL SEE NOTE 2	NASA APPROVAL A. C. METZGER	CODE IDENT NO. 99974 SIZE C 2900888
APPLICATION		CONTRACT NAS 9-497	MIT APPROVAL [illegible]	SCALE 2/1 SHEET 1 OF 1

2 Charleston 22 OCT 65

MIL 1077C-P

APOLLO G&N Specification
PS2900895 REV C
Original Issue Date:
Release Authority: TDRR 28673
Class A Release

PROCUREMENT SPECIFICATION

PRODUCT CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

SCM/PSAAM CALIBRATION AND TEST ASSEMBLY CONSOLE

DRAWING NUMBER 2900895

Record of Revisions

Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
				MIT	NASA
5/2/66	A	MIT 211996	3, 5, 6, 8, 11, 12		
4/6/66	B	MIT 212220	3, 10, 11, 12		
6 MAY 66	C	28673	ALL: INITIAL RELEASE		

This specification consists of page 1 to 16 inclusive.

APPROVALS	NASA/MSC	5/6/66 MIT/IL	ACSP E.T. Powers

1. SCOPE

1.1 PURPOSE. This specification establishes the detail requirements for complete identification and acceptance of the Calibration and Test Assembly Console, hereafter referred to as the console, Part Number 2900895-011.

2. APPLICABLE DOCUMENTS

2.1 EFFECTIVE ISSUES. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, Military Standards and Specifications shall be the issue in effect on the date of request for proposal or invitation to bid.

SPECIFICATIONS

APOLLO G&N

ND1002214	General Specification for Preservation, Packaging, Packing and Container Marking of APOLLO Guidance and Navigation Major Assemblies, Assemblies, Subassemblies, Parts and Associated Ground Support Equipment

DRAWINGS

APOLLO G&N

2900895	Calibration and Test Assembly Console

(Copies of specifications, standards, drawings, bulletins and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 CONFLICTING REQUIREMENTS. In event of a conflict between requirements, the following order of precedence shall apply. The contractor shall also notify MIT/IL APOLLO Management of the conflict.

a. The contract
b. This specification
c. Documents listed in this section.

TABLE I
CABLE CONNECTION AND COMPONENT BOARD ASSEMBLY PLACEMENT

INPUT/OUTPUT PANEL COMPONENT BOARD ASSEMBLY CONNECTORS	CABLE NUMBER - COMPONENT BOARD ASSEMBLY									
	2901217	2901218	2901219	2901220	2901420	2901412	2901236	2901375	2900990	2901396
J10 and J11	20	20	20	20	30	20	6	6	7	7
J12 and J13	23	23	23	23	23	33	1	1	4	4
J14 and J15	24	24	24	24	34	34	2	2	2	2
J16 and J17	21	21	21	21	31	21	8	8	9	9
J18 and J19	22	22	22	22	22	32	10	-	10	11
J20 and J21	25	25	25	25	35	35	3	3	5	5
J22 and J23	--	13	13	13	13	29	12	12	13	13
J24 and J25	--	--	--	--	--	--	14	14	14	15
J26 and J27	--	--	--	--	--	--	16	16	--	--
J28 and J29	--	--	--	--	--	--	17	17	17	17
J30 and J31	--	--	--	--	--	--	18	--	18	18
J32 and J33	19	19	19	19	19	19	19	19	19	19
J34 and J35	26	26	26	26	26	26	--	--	--	26
J36 and J37	--	--	--	--	--	--	27	27	27	27
J38 and J39	--	28	28	28	28	28	--	--	--	--

TABLE II
CONTINUITY

CROSSBAR CONTROL POSITION		*FROM VM LO ON THE CONTROL PANEL TO CABLE NUMBER - TERMINAL NUMBER									
TENS	UNITS	2901217	2901218	2901219	2901220	2901420	2901412	2901236	2901375	2900990	2901396
0	2	--	--	--	--	--	P1-85	--	--	--	P11-35
0	8	P1-51	P1-51	P1-51	P1-93	P1-A33	--	P17-8	P17-8	P1-26	--
1	0	--	--	--	--	--	--	P17-21	--	--	--
1	7	P1-1	P1-1	P1-1	P1-23	P1-A28	P1-57		--	P244-13	P15-55
2	1	P1-16	P1-16	P1-16	P1-26	P1-F28	P1-78	P11-21	--	--	P16-43
2	6	--	--	--	--	--	--	--	--	P1-75	--
3	0	--	J2-8	J2-5	J2-8	P1-F37	P12-38	--	P16-1	P1-71	P15-9
4	0	--	--	--	--	--	--	P20-23	P20-23	P244-33	P11-7
4	2	P1-18	P1-18	P1-18	P1-63	--	P1-40	--	--	--	--
4	4	P1-23	P1-23	P1-23	P1-68	P1-D24	P1-11	--	--	P244-29	P15-16
4	7	--	--	--	--	--	--	P20-31	--	--	--
5	0	P1-25	P1-23	P1-23	P1-68	--	--	--	--	--	P16-48
5	1	P1-36	--	--	--	--	--	--	--	--	--
5	5	P1-84	P1-84	P1-84	P1-128	--	--	--	--	--	P16-36
7	0	--	--	--	--	--	--	P11-26	P11-26	--	--
7	9	--	--	--	--	--	--	P199-20	--	--	P13-32
9	1	--	--	--	--	--	--	P11-26	--	P1-64	P13-57
9	6	--	P1-48	P1-48	P1-97	--	P1-15	--	--	--	--
4	8	--	--	--	--	--	P1-12	--	--	--	--

*Continuity shall be defined as <2 ohms.

APOLLO G&N Specification
PS2900895 REV F
Original Issue Date:
Release Authority: TDRR 28673
Class A Release

PROCUREMENT SPECIFICATION

~~PRODUCT~~ CONFIGURATION AND ACCEPTANCE TEST REQUIREMENTS

SCM/PSAAM CALIBRATION AND TEST ASSEMBLY CONSOLE

DRAWING NUMBER 2900895

Record of Revisions

Date	Revision Letter	TDRR No.	Pages Revised	Approvals	
				AC	NASA
5/2/66	A	MIT 211996	3, 5, 6, 8, 11, 12		
4/8/66	B	MIT 212220	8, 10, 11, 12		
6 MAY 66	C	28673	ALL: INITIAL RELEASE		
8/11/66	D	30626	4, 6, 10 - 15	MGM EA	WLS
9/30/66	E	31387	5, 6	MGM EA	WLS
11/28/66	F	32150	2	EA	--
6/23/67	G	34016	2	MGM EA	--

This specification consists of page 1 to 16 inclusive.

APPROVALS	NASA/MSC	D. McTeeney 5/6/66 MIT/IL	E.T. Powers AC

1. SCOPE

1.1 PURPOSE. This specification establishes the detail requirements for complete identification and acceptance of the Calibration and Test Assembly Console, hereafter referred to as the console, Part Numbers 2900895-011, 2900895-021 and 2900895-031.

2. APPLICABLE DOCUMENTS

2.1 EFFECTIVE ISSUES. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, Military Standards and Specifications shall be the issue in effect on the date of request for proposal or invitation to bid.

SPECIFICATIONS

APOLLO G&N

ND1002214	General Specification for Preservation, Packaging, Packing and Container Marking of APOLLO Guidance and Navigation Major Assemblies, Assemblies, Subassemblies, Parts and Associated Ground Support Equipment

DRAWINGS

APOLLO G&N

2900895	Calibration and Test Assembly Console

(Copies of specifications, standards, drawings, bulletins and publications required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 CONFLICTING REQUIREMENTS. In event of a conflict between requirements, the following order of precedence shall apply. The contractor shall also notify MIT/IL APOLLO Management of the conflict.

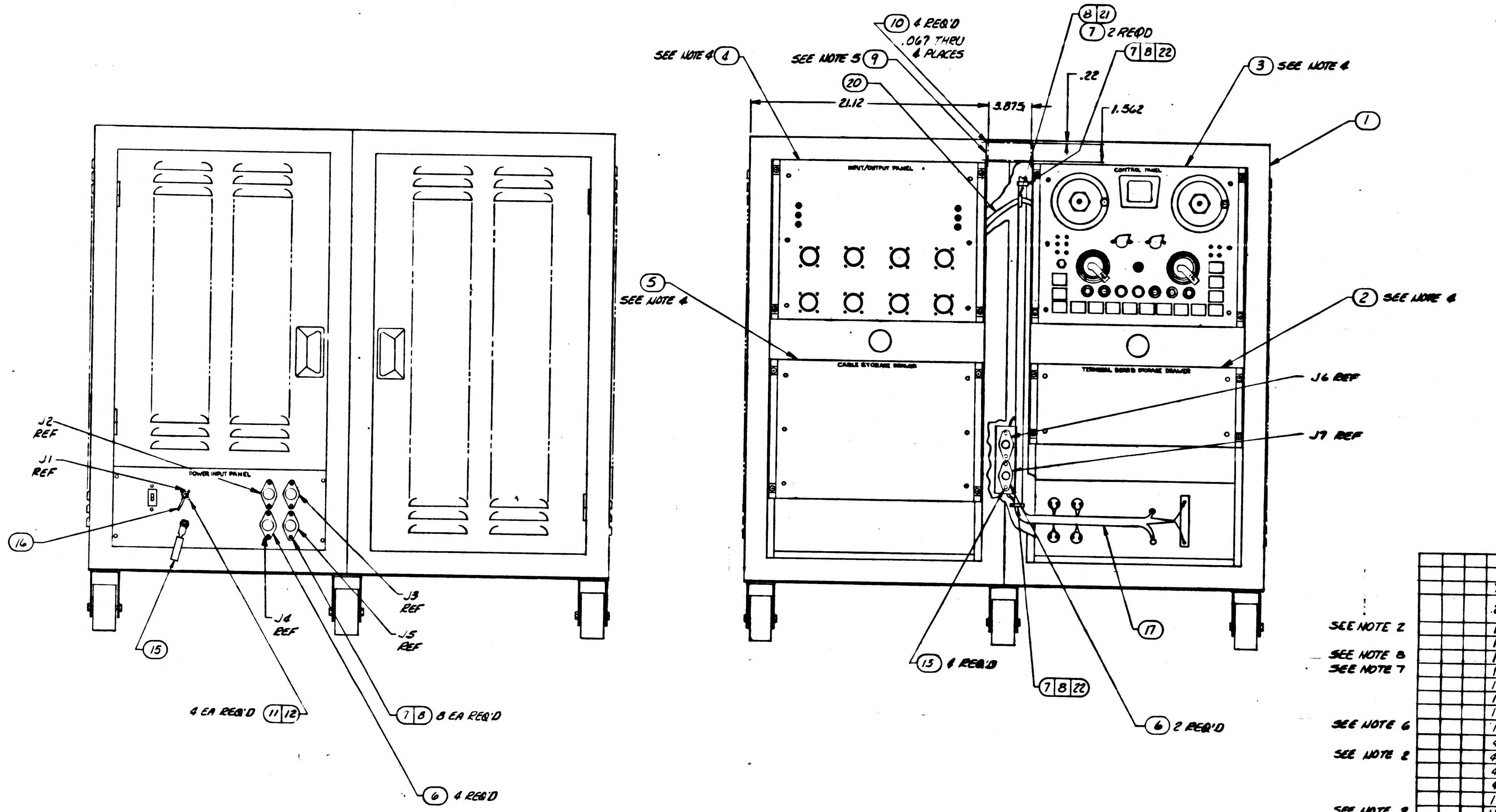
a. The contract
b. This specification
c. Documents listed in this section.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
4. ASSEMBLE ITEMS (2), (3), (4) & (5) USING HARDWARE SUPPLIED WITH 2901107 (ITEM (14) REF).
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (9) IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .12 HIGH.
6. ITEM (14) SHALL BE STORED AT RANDOM IN ITEM (2), WHEN NOT IN USE.
7. ITEM (18) SHALL BE STORED IN ITEM (5) WHEN NOT IN USE.
8. ITEM (19) SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM (5) WHEN NOT IN USE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	① REPLACES REV E WITH CHANGE PER MXC209834		3 MAR 66	
	G	REVISED PER MXC 210601		6 APR 66	PHG EF
	H	REVISED PER MXC 211048		APR 66	LGC
	J	REVISED PER MXC 211809		27 APR 66	LGB RWH
	K	REVISED PER MXC 211979		66	LGC
	L	INITIAL RELEASE CLASS A PER TDRR 28623		4 MAY 66	MTO EF



INPUT/OUTPUT PANEL
CONTROL PANEL
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
POWER INPUT PANEL
J2 REF
J1 REF
(16)
(15)
J3 REF
J4 REF
J5 REF
4 EA REQ'D (11)(12)
(7)(8) 8 EA REQ'D
(6) 4 REQ'D
(5) SEE NOTE 4
SEE NOTE 4 (4)
SEE NOTE 5 (9)
(10) 4 REQ'D .067 THRU 4 PLACES
(20)
21.12
3.875
.22
1.562
(8)(21)
(7) 2 REQ'D
(7)(8)(22)
(3) SEE NOTE 4
(1)
(2) SEE NOTE 4
J6 REF
J7 REF
(17)
(15) 4 REQ'D
(7)(8)(22)
(6) 2 REQ'D

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				X		23	PS2900895	PROCUREMENT SPECIFICATION
				2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2				1		21	1016360-014	CLAMP, CABLE
				1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8				1	✓	19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7				1	✓	18	2901044-011	CABLE SET
				1	✓	17	2901221	WIRING HARNESS "A"
				1	✓	16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
				1		15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6				1	✓	14	2901034-011	INPUT/OUTPUT PNL, COMPONENT BD SET
				4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2				4		12	1016151-006	NUT, SELF-LOCKING
				4		11	MS35216-27	SCREW, MACHINE PAN HD
				4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
				1		9	1004260-162	NAMEPLATE
SEE NOTE 2				11		8	1016151-010	NUT, SELF-LOCKING
				16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2				6		6	1015975-001	CONNECTOR-RECEPTACLE, ELEC
				1	✓	5	2900928-011	CABLE STORAGE DRAWER ASSY
				1	✓	4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
				1	✓	3	2900896-011	CONTROL PANEL ASSY
				1	✓	2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
				1	✓	1	2901108-011	CABINET ASSEMBLY, SCM/PSAAM
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1902030	1900030	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 20 JAN 66
CHECKED 9 FEB 66
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONSOLE, CALIBRATION AND TEST ASSEMBLY SCM/PSAAM

SIZE E
CODE IDENT NO. 99974
2900895
SCALE 1:4
SHEET 1 OF 1

2900895 L

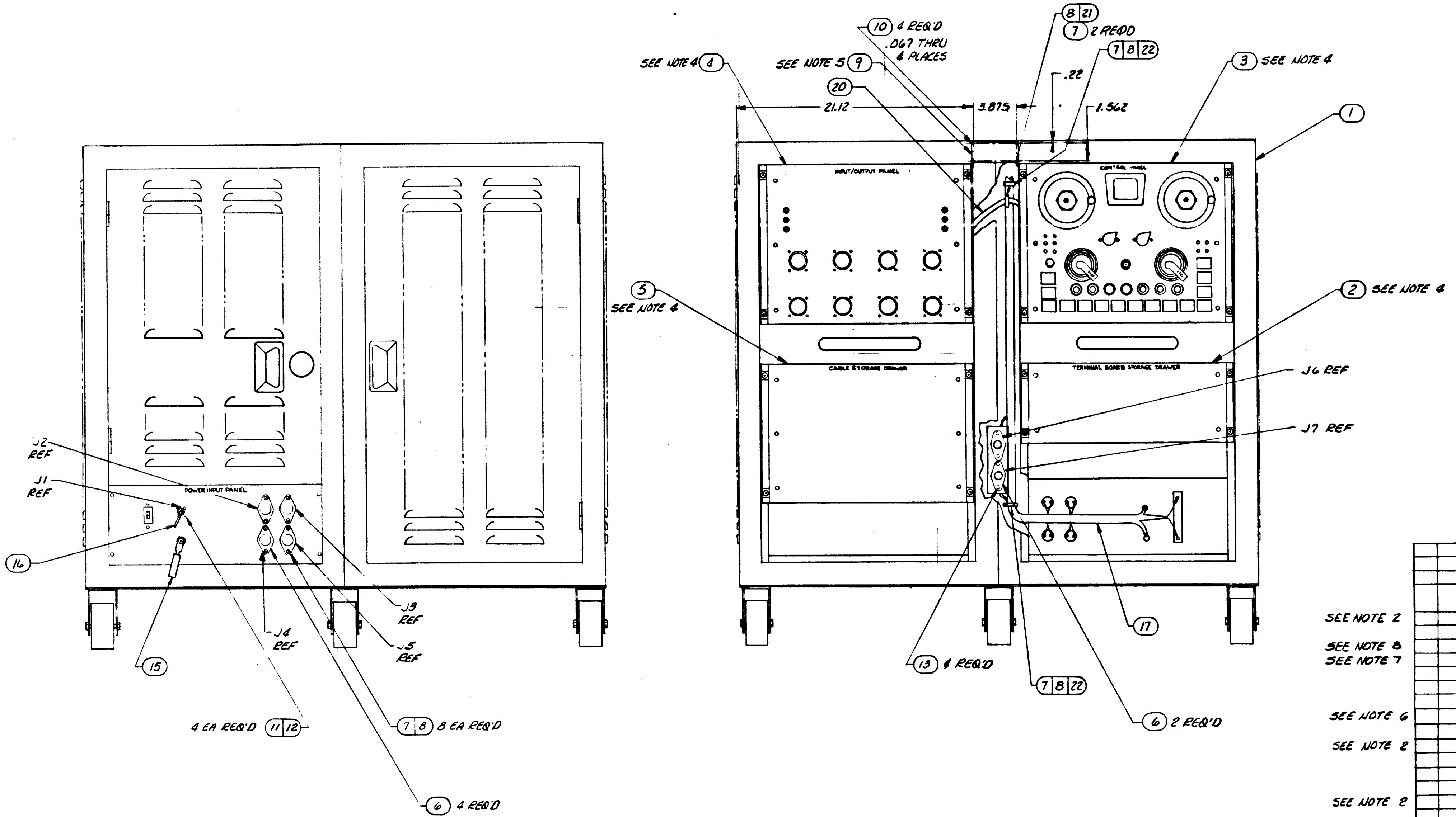
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
4. ASSEMBLE ITEMS ②, ③, ④ & ⑤ USING HARDWARE SUPPLIED WITH 2901107 (ITEM ⑭ REF).
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM ⑨ IN ACCORDANCE WITH ND100 2023. LETTERS AND NUMERALS TO BE .12 HIGH.
6. ITEM ⑭ SHALL BE STORED AT RANDOM IN ITEM ② WHEN NOT IN USE.
7. ITEM ⑱ SHALL BE STORED IN ITEM ⑤ WHEN NOT IN USE.
8. ITEM ⑲ SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM ⑤ WHEN NOT IN USE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	○ REPLACES REV E WITH CHANGE PER MXC209834		C MAR 66	[illegible]
	G	REVISED PER MXC 210601		APR 66	PHG EF
	H	REVISED PER MXC 211048		APR 66	LGC
	J	REVISED PER MXC 211809		27 APR 66	RGB RWH
	K	REVISED PER MXC 211979		29 APR 66	LGC
	L	INITIAL RELEASE CLASS A PER TDRR 28623		MAY 66	EF
	M	REVISED PER TDRR 29786		28 JUN 66	PHG

Ⓜ



SEE NOTE 4 ④
SEE NOTE 5 ⑨
⑩ 4 REQ'D .067 THRU 4 PLACES
⑳
21.12
3.875
.22
1.562
⑧|㉑
⑦ 2 REQ'D
⑦|⑧|㉒
③ SEE NOTE 4
①
INPUT/OUTPUT PANEL
CONTROL PANEL
⑤ SEE NOTE 4
② SEE NOTE 4
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
J6 REF
J7 REF
J2 REF
J1 REF
POWER INPUT PANEL
⑯
⑮
J4 REF
J3 REF
J5 REF
4 EA REQ'D ⑪|⑫
⑦|⑧ 8 EA REQ'D
⑥ 4 REQ'D
⑬ 4 REQ'D
⑦|⑧|㉒
⑰
⑥ 2 REQ'D

	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	X		23	PS2900895	PROCUREMENT SPECIFICATION
	2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2	1		21	1016360-014	CLAMP, CABLE
	1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8	1		19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7	1		18	2901044-011	CABLE SET
	1		17	2901221	WIRING HARNESS "A"
	1		16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
	1		15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6	1		14	2901034-011	INPUT/OUTPUT PNL, COMPONENT BD SET
	4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2	4		12	1016151-006	NUT, SELF-LOCKING
	4		11	MS35216-27	SCREW, MACHINE PAN HD
	4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
	1		9	1004260-162	NAMEPLATE
SEE NOTE 2	11		8	1016151-010	NUT, SELF-LOCKING
	16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2	6		6	1015975-001	CONNECTOR-RECEPTACLE ELEC
	1		5	2900928-011	CABLE STORAGE DRAWER ASSY
	1		4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
	1		3	2900896-011	CONTROL PANEL ASSY
	1		2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
	1		1	2901108-011	CABINET ASSEMBLY SCM/PSAAM

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900036	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN [illegible] DATE 25 JAN 66
CHECKED [illegible] 9 FEB 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONSOLE, CALIBRATION AND TEST
ASSEMBLY
SCM/PSAAM

SIZE E
CODE IDENT NO. 99974
2900895
SCALE 1/4
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.

3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).

4. ASSEMBLE ITEMS (2), (3), (4), (5), AND (24) USING HARDWARE SUPPLIED WITH 2901107 (ITEM (14) REF).

5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (4) IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .12 HIGH.

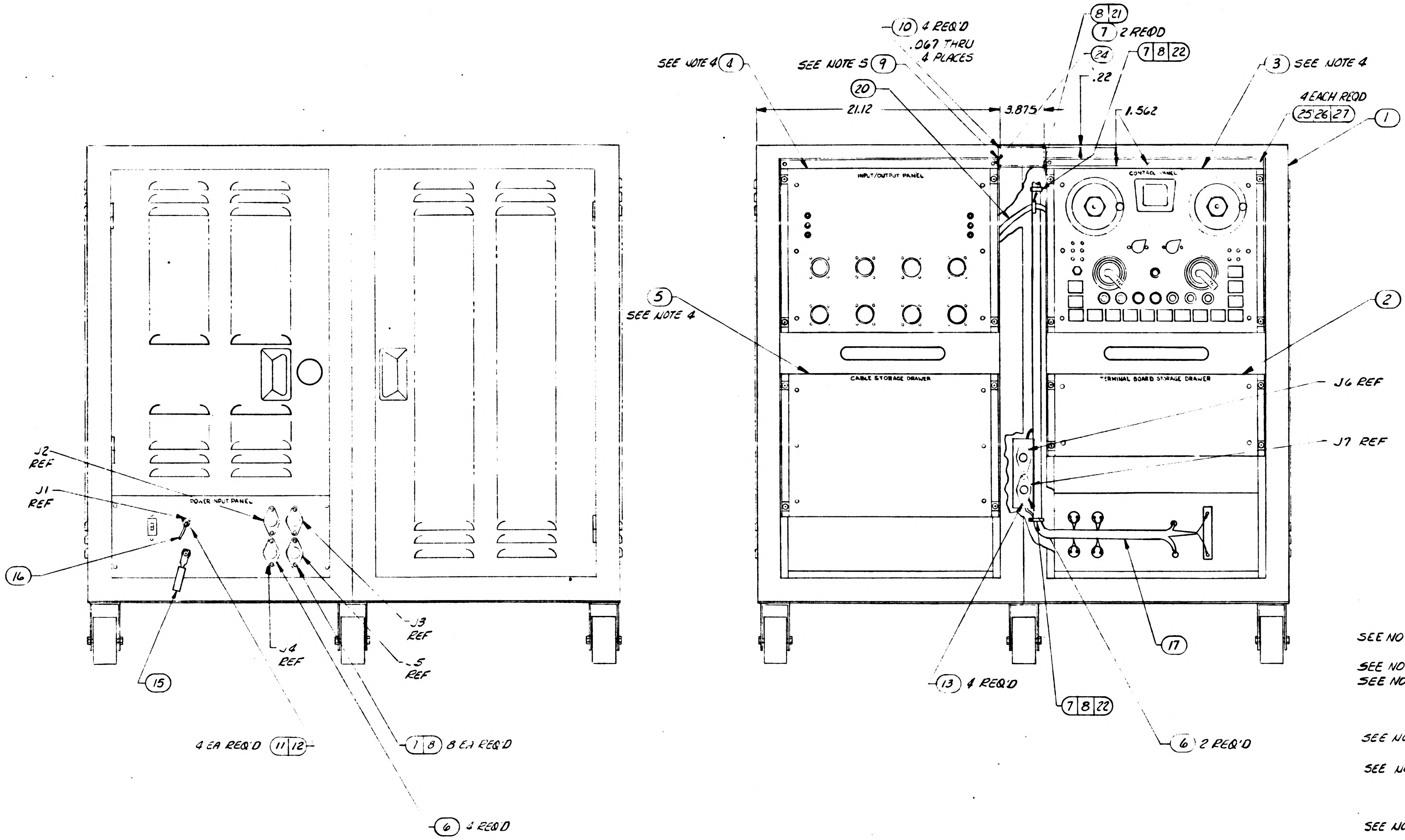
6. ITEM (14) SHALL BE STORED AT RANDOM IN ITEM (2), WHEN NOT IN USE.

7. ITEM (18) SHALL BE STORED IN ITEM (5) WHEN NOT IN USE.

8. ITEM (19) SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM (5) WHEN NOT IN USE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	① REPLACES REV E WITH CHANGE PER MXC209834		10 MAR 66	H.N.
	G	REVISED PER MXC 210601		6 APR 66	PHG
	H	REVISED PER MXC 211048		11 APR 66	LGC
	J	REVISED PER MXC 211809		27 APR 66	PGB RW
	K	REVISED PER MXC 211979		29 APR 66	LGC
	L	INITIAL RELEASE CLASS A PER TDRR 28673		4 MAY 66	HTO
	M	REVISED PER TDRR 29786		28 JUN 66	PHG AU
	N	REVISED PER TDRR 30436		AUG	JI



J2 REF
J1 REF
POWER INPUT PANEL
16
15
J4 REF
J3 REF
J5 REF
4 EA REQ'D 11 12
1 8 8 EA REQ'D
6 4 REQ'D
SEE NOTE 4 4
SEE NOTE 5 9
10 4 REQ'D
.067 THRU
4 PLACES
20
21.12
3.875
8 21
7 2 REQD
24
.22
7 8 22
1.562
3 SEE NOTE 4
4 EACH REQD
25 26 27
1
INPUT/OUTPUT PANEL
CONTROL PANEL
5
SEE NOTE 4
2 SEE NOTE 4
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
J6 REF
J7 REF
13 4 REQ'D
7 8 22
17
6 2 REQ'D

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	4		27	MS35338-81	WASHER, LOCK
	4		26	AN960-C10L	(1897006-019) WASHER, FLAT
	4		25	1006793-44	SCREW, BUTTON HD. HEX SOC.
	2		24	2901560	PANEL, BLANK
	X		23	PS2900895	PROCUREMENT SPECIFICATION
	2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2	1		21	1016360-014	CLAMP, CABLE
	1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8	1		19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7	1		18	2901044-011	CABLE SET
	1		17	2901221	WIRING HARNESS "A"
	1		16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
	1		15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6	1		14	2901034-011	INPUT/OUTPUT PNL, COMPONENT BD SET
	4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2	4		12	1016151-006	NUT, SELF-LOCKING
	4		11	MS35216-27	SCREW, MACHINE PAN HD
	4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
	1		9	1004260-162	NAMEPLATE
SEE NOTE 2	11		8	1016151-010	NUT, SELF-LOCKING
	16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2	6		6	1015975-001	CONNECTOR-RECEPTACLE, ELEC
	1		5	2900928-011	CABLE STORAGE DRAWER ASSY
	1		4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
	1		3	2900896-011	CONTROL PANEL ASSY
	1		2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
	1		1	2901108-011	CABINET ASSEMBLY, SCM/PSAAM

NEXT ASSY	USED ON	APPLICABLE DASH NO.
		-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± -
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN DATE
CHECKED
APPROVAL
CONTRACT
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONSOLE, CALIBRATION AND TEST
ASSEMBLY
SCM/PSAAM

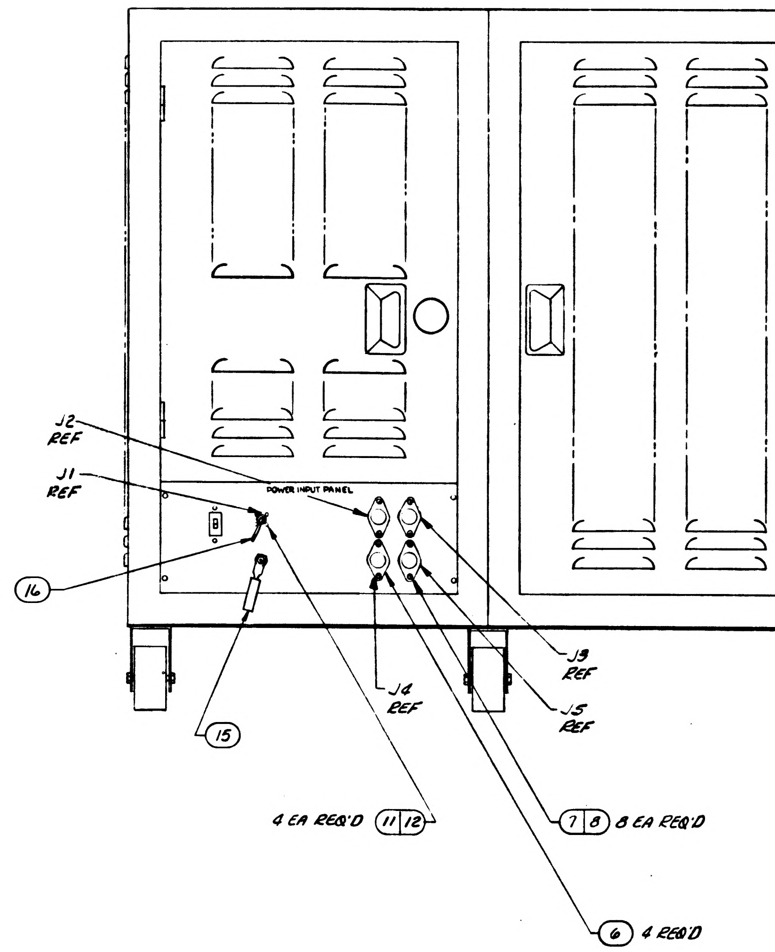
SIZE
CODE IDENT NO 99974
2900895
SCALE
SHEET

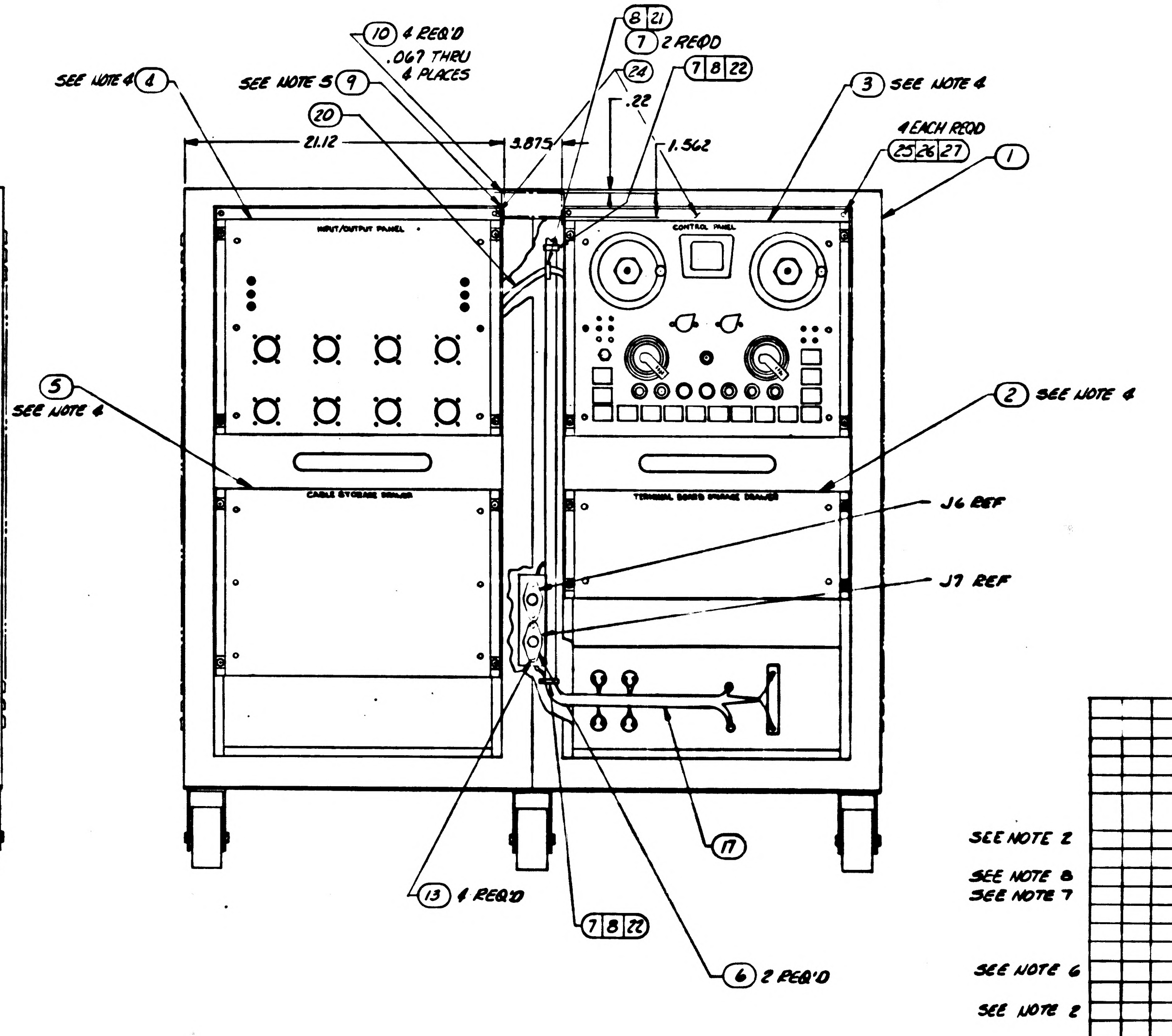
2900895 N

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
4. ASSEMBLE ITEMS (2), (3), (4), (5), AND (24) USING HARDWARE SUPPLIED WITH 2901107 (ITEM (14) REF).
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (9) IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .12 HIGH.
6. ITEM (14) SHALL BE STORED AT RANDOM IN ITEM (2), WHEN NOT IN USE.
7. ITEM (18) SHALL BE STORED IN ITEM (5) WHEN NOT IN USE.
8. ITEM (19) SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM (5) WHEN NOT IN USE.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	① REPLACES REV E WITH CHANGE PER MXC209834		10 MAR 66	A.V.
	G	REVISED PER MXC 210601		6 APR 66	PHG EF
	H	REVISED PER MXC 211048		11 APR 66	LGC
	J	REVISED PER MXC 211809		27 APR 66	LGB RWH
	K	REVISED PER MXC 211979		29 APR 66	LGC
	L	INITIAL RELEASE CLASS A PER TDRR 28623		4 MAY 66	HTO EF
	M	REVISED PER TDRR 29786		28 JUN 66	PHG AU
	N	REVISED PER TDRR 30436		AUG 66	
	P	REVISED PER TDRR 30622		22 AUG 66	WGK


POWER INPUT PANEL
J2 REF
J1 REF
16
15
J4 REF
J5 REF
J3 REF
4 EA REQ'D 11 12
7 8 8 EA REQ'D
6 4 REQ'D


SEE NOTE 4 (4)
SEE NOTE 5 (9)
(10) 4 REQ'D .067 THRU 4 PLACES
20
21.12
3.875
8 21
7 2 REQD
24
.22
7 8 22
1.562
3 SEE NOTE 4
4 EACH REQD 25 26 27
1
INPUT/OUTPUT PANEL
CONTROL PANEL
5 SEE NOTE 4
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
2 SEE NOTE 4
J6 REF
J7 REF
13 4 REQ'D
7 8 22
17
6 2 REQ'D

				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				4		27	MS35338-81	WASHER, LOCK
				4		26	AN960-C10L	(1897006-019) WASHER, FLAT
				4		25	MS35217-60	SCREW, MACHINE, PAN HD.
				2		24	2901560	PANEL, BLANK
				X		23	PS2900895	PROCUREMENT SPECIFICATION
				2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2				1		21	1016360-014	CLAMP, CABLE
				1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8				1		19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7				1		18	2901044-011	CABLE SET
				1		17	2901221	WIRING HARNESS "A"
				1		16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
				1		15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6				1		14	2901034-011	INPUT/OUTPUT PNL, COMPONENT SET
				4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2				4		12	1016151-006	NUT, SELF-LOCKING
				4		11	MS35216-27	SCREW, MACHINE PAN HD
				4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
				1		9	1004260-162	NAMEPLATE
SEE NOTE 2				11		8	1016151-010	NUT, SELF-LOCKING
				16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2				6		6	1015975-001	CONNECTOR-RECEPTACLE, ELEC
				1		5	2900928-011	CABLE STORAGE DRAWER ASSY
				1	√	4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
				1		3	2900896-011	CONTROL PANEL ASSY
				1	√	2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
				1		1	2901108-011	CABINET ASSEMBLY, SCM/PSAAM
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	-011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN L. A. Treder DATE 20 JAN 66
CHECKED 9 FEB 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

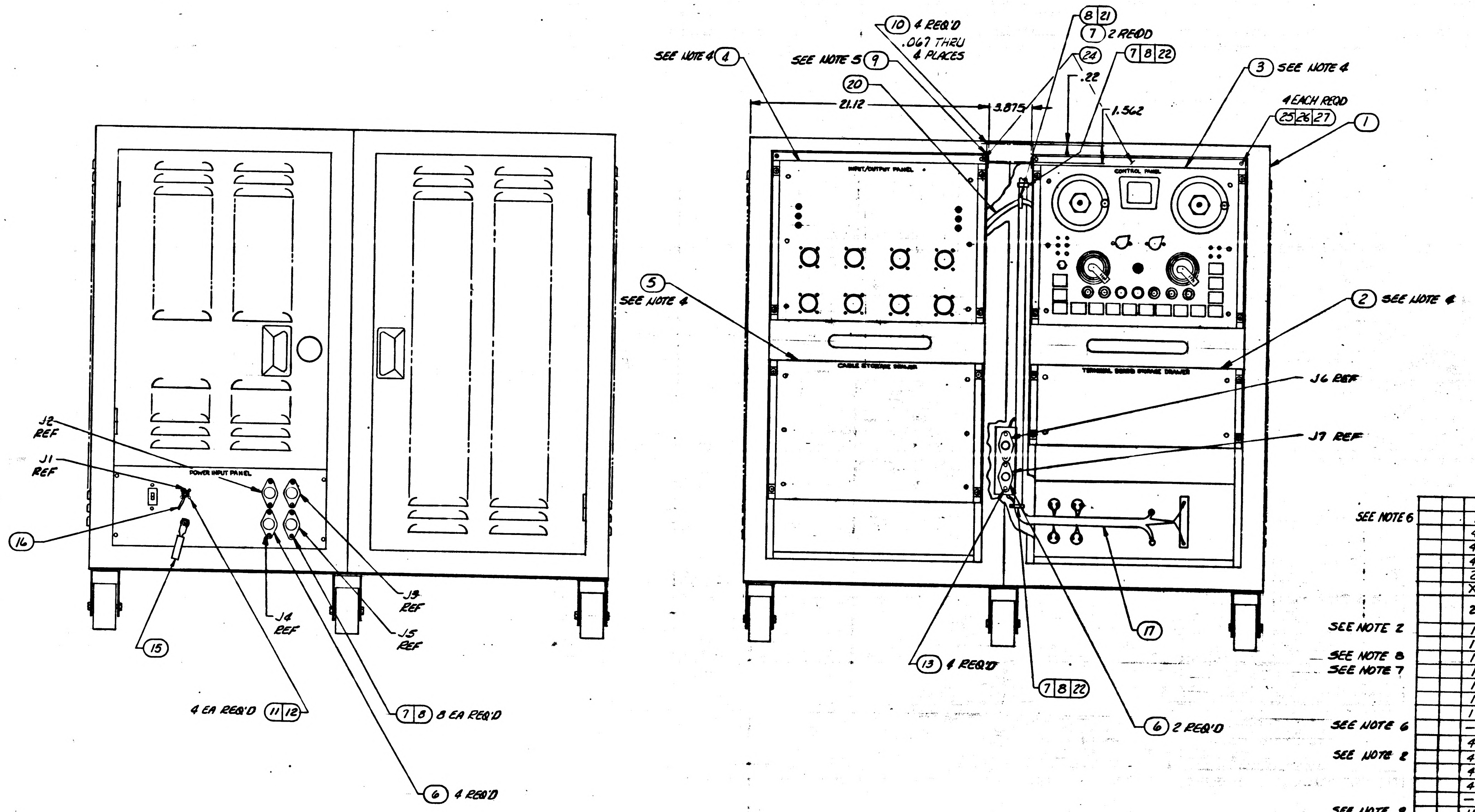
CONSOLE, CALIBRATION AND TEST
ASSEMBLY
SCM/PSAAM

SIZE E
CODE IDENT NO. 99974
2900895
SCALE 1/4
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
4. ASSEMBLE ITEMS (2), (3), (4), (5), AND (24) USING HARDWARE SUPPLIED WITH 2901107 (ITEMS (14) OR (28) REF).
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (9) IN ACCORDANCE WITH ND100 2023. LETTERS AND NUMERALS TO BE .12 HIGH.
6. ITEMS (14) OR (28) SHALL BE STORED IN ITEM (2), WHEN NOT IN USE.
7. ITEM (18) SHALL BE STORED IN ITEM (5) WHEN NOT IN USE.
8. ITEM (19) SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM (5) WHEN NOT IN USE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	① REPLACES REV E WITH CHANGE PER MXC209834		10 MAR 66	A.N.
	G	REVISED PER MXC 210601		6 APR 66	PHG EJ
	H	REVISED PER MXC 211048		11 APR 66	LGC
	J	REVISED PER MXC 211809		27 APR 66	EGB RWH
	K	REVISED PER MXC 211979		29 APR 66	LGC CP
	L	INITIAL RELEASE CLASS A PER TDRR 28623		4 MAY 66	HTO EF
	M	REVISED PER TDRR 29786		28 JUN 66	PHG AU
	N	REVISED PER TDRR 30436		AUG 66	EMB JI
	P	REVISED PER TDRR 30622		23 AUG 66	
	R	REVISED PER TDRR 32148		3 DEC 66	EH



SEE NOTE 4 (4)
SEE NOTE 5 (9)
(10) 4 REQ'D .067 THRU 4 PLACES
(20)
21.12
3.875
(8)(21)
(7) 2 REQ'D
(24)
.22
(7)(8)(22)
1.562
(3) SEE NOTE 4
4 EACH REQ'D (25)(26)(27)
(1)
INPUT/OUTPUT PANEL
CONTROL PANEL
(5) SEE NOTE 4
(2) SEE NOTE 4
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
J6 REF
J7 REF
POWER INPUT PANEL
J2 REF
J1 REF
(16)
(15)
J4 REF
J3 REF
J5 REF
4 EA REQ'D (11)(12)
(7)(8) 8 EA REQ'D
(6) 4 REQ'D
(13) 4 REQ'D
(7)(8)(22)
(6) 2 REQ'D
(17)

			QUANTITY REQUIRED 021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1	–		29	1004260-547	NAMEPLATE
SEE NOTE 6			1	–		28	2901034-021	INPUT/OUTPUT PNL, COMPONENT BD SET
			4	4		27	MS35338-81	WASHER, LOCK
			4	4		26	AN960-C10L	(1897006-019) WASHER, FLAT
			4	4		25	MS35217-60	SCREW, MACHINE, PAN HD.
			2	2		24	2901560	PANEL, BLANK
			X	X		23	PS2900895	PROCUREMENT SPECIFICATION
			2	2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2			1	1		21	1016360-014	CLAMP, CABLE
			1	1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8			1	1	✓	19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7			1	1	✓	18	2901044-011	CABLE SET
			1	1	✓	17	2901221	WIRING HARNESS "A"
			1	1	✓	16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
			1	1	✓	15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6			–	1	✓	14	2901034-011	INPUT/OUTPUT PNL, COMPONENT BD SET
			4	4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2			4	4		12	1016151-006	NUT, SELF-LOCKING
			4	4		11	MS35216-27	SCREW, MACHINE, PAN HD
			4	4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
			–	1		9	1004260-162	NAMEPLATE
SEE NOTE 2			11	11		8	1016151-010	NUT, SELF-LOCKING
			16	16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2			6	6		6	1015975-001	CONNECTOR, RECEPTACLE, ELEC
			1	1	✓	5	2900928-011	CABLE STORAGE DRAWER ASSY
			1	1	✓	4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
			1	1	✓	3	2900896-011	CONTROL PANEL ASSY
			1	1	✓	2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
			1	1	✓	1	2901108-011	CABINET ASSEMBLY SCM/PSAAM

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± —

DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 20-JAN-66
CHECKED 9 FEB 66
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

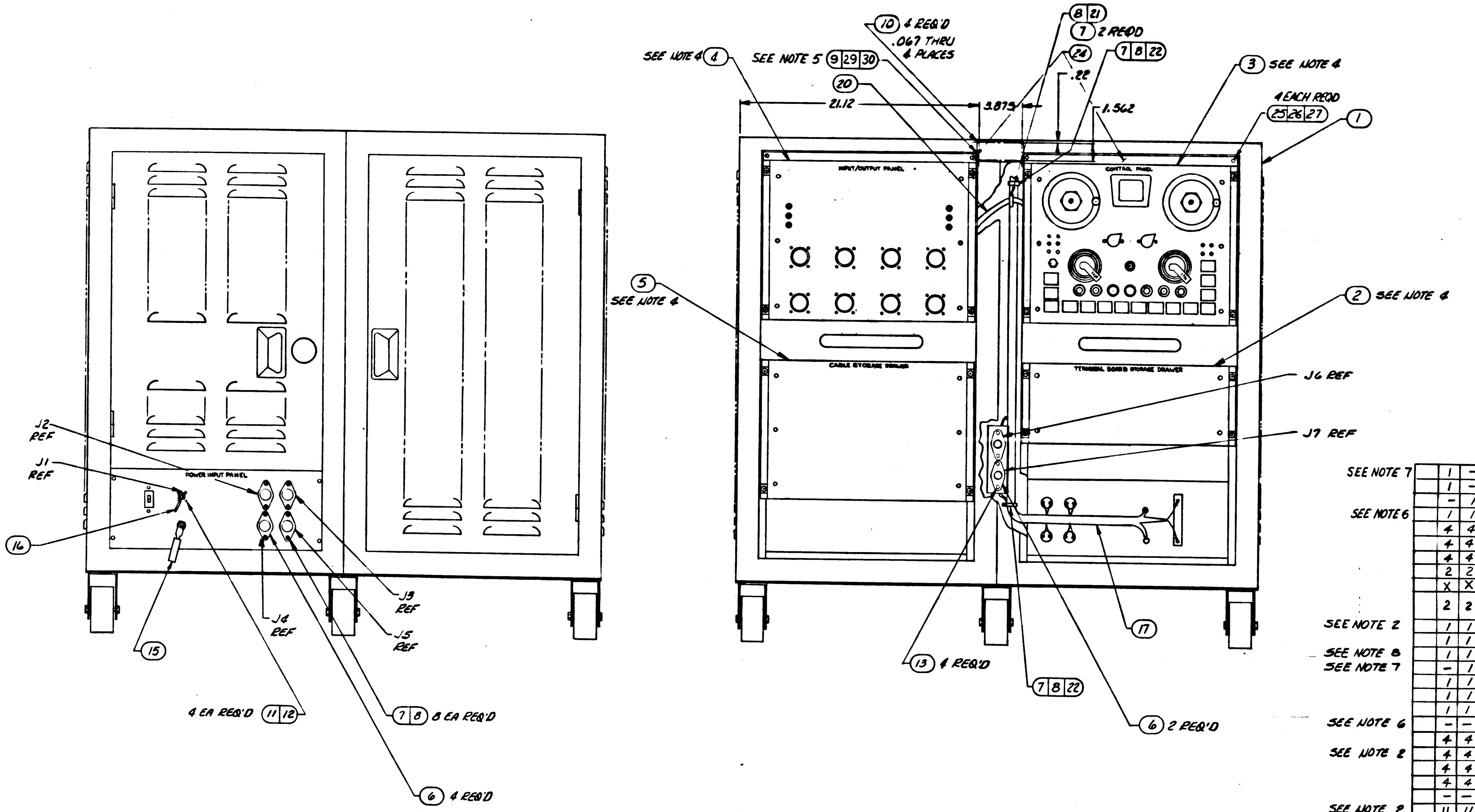
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONSOLE, CALIBRATION AND TEST ASSEMBLY SCM/PSAAM

SIZE E
CODE IDENT NO. 99974
2900895
SCALE 1:4
SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
3. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES-267).
4. ASSEMBLE ITEMS (2), (3), (4), (5), AND (24) USING HARDWARE SUPPLIED WITH 2901107 (ITEM (14) REF).
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEMS (9), (29), OR (30) IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .12 HIGH.
6. ITEMS (14) OR (28) SHALL BE STORED IN ITEM (2), WHEN NOT IN USE.
7. ITEMS (18) OR (31) SHALL BE STORED IN ITEM (5) WHEN NOT IN USE.
8. ITEM (19) SHALL BE STORED IN REAR OF CONSOLE BELOW ITEM (5) WHEN NOT IN USE.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	F	① REPLACES REV E WITH CHANGE PER MXC209834		10 MAR 66	A.N.
	G	REVISED PER MXC 210601		6 APR 66	PHG EF
	H	REVISED PER MXC 211048		66	LGC
	J	REVISED PER MXC 211809		66	LGB RWH
	K	REVISED PER MXC 211979		66	LGC CP
Ⓜ	L	INITIAL RELEASE CLASS A PER TDRR 28673		MAY 66	HTO EF
Ⓜ	M	REVISED PER TDRR 29786		25 JUN 66	PHG AU
	N	REVISED PER TDRR 30436		AUG 66	
Ⓜ	P	REVISED PER TDRR 30622		22 AUG 66	
Ⓜ	R	REVISED PER TDRR 32 48		3 DEC 66	EH RLW
	S	REVISED PER TDRR 34012		9 AUG 67	J.W



SEE NOTE 4 (4)
SEE NOTE 5 (9)(29)(30)
(10) 4 REQ'D
.067 THRU
4 PLACES
(8)(21)
(7) 2 REQ'D
(24)
(7)(8)(22)
.22
(20)
21.12
3.873
1.562
(3) SEE NOTE 4
4 EACH REQ'D
(25)(26)(27)
(1)
INPUT/OUTPUT PANEL
CONTROL PANEL
(5) SEE NOTE 4
(2) SEE NOTE 4
CABLE STORAGE DRAWER
TERMINAL BOARD STORAGE DRAWER
J6 REF
J7 REF
POWER INPUT PANEL
J2 REF
J1 REF
(16)
(15)
J4 REF
J5 REF
J3 REF
4 EA REQ'D (11)(12)
(7)(8) 8 EA REQ'D
(6) 4 REQ'D
(13) 4 REQ'D
(7)(8)(22)
(17)
(6) 2 REQ'D

		031	021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7		1	–	–		31	2901044-021	CABLE SET
		1	–	–		30	1004260-559	NAMEPLATE
		–	1	–		29	1004260-547	NAMEPLATE
SEE NOTE 6		1	1	–		28	2901034-021	INPUT/OUTPUT PNL, COMPONENT BD SET
		4	4	4		27	MS35338-81	WASHER, LOCK
		4	4	4		26	AN960-C10L	(1897006-019) WASHER, FLAT
		4	4	4		25	MS35217-60	SCREW, MACHINE, PAN HD.
		2	2	2		24	2901560	PANEL, BLANK
		X	X	X		23	PS2900895	PROCUREMENT SPECIFICATION
		2	2	2		22	MS21919DG-11 THRU 16	(1897073-111 THRU 116) CLAMP, CABLE
SEE NOTE 2		1	1	1		21	1016360-014	CLAMP, CABLE
		1	1	1		20	2901461	CABLE ASSY, INPUT/OUTPUT PANEL
SEE NOTE 8		1	1	1	✓	19	2901433-011	FIXTURE, HOLDING
SEE NOTE 7		–	1	1		18	2901044-011	CABLE SET
		1	1	1		17	2901221	WIRING HARNESS "A"
		1	1	1		16	2901354	CABLE, ELEC-SCM/PSAAM TESTER PWR
		1	1	1		15	2901353	CABLE, GRD, ELEC SCM/PSAAM
SEE NOTE 6		–	–	1		14	2901034-011	INPUT/OUTPUT PNL, COMPONENT BD SET
		4	4	4		13	MS35217-54	SCREW, MACHINE, PAN HD
SEE NOTE 2		4	4	4		12	1016151-006	NUT, SELF-LOCKING
		4	4	4		11	MS35216-27	SCREW, MACHINE PAN HD
		4	4	4		10	AN535-0-4	(1897109-104) SCREW, DRIVE
		–	–	1		9	1004260-162	NAMEPLATE
SEE NOTE 2		11	11	11		8	1016151-010	NUT, SELF-LOCKING
		16	16	16		7	MS35217-55	SCREW, MACHINE, PAN HD
SEE NOTE 2		6	6	6		6	1015975-001	CONNECTOR-RECEPTACLE, ELEC
		1	1	1		5	2900928-011	CABLE STORAGE DRAWER ASSY
		1	1	1	✓	4	2900926-011	INPUT/OUTPUT ELECTRONICS ASSY
		1	1	1		3	2900896-011	CONTROL PANEL ASSY
		1	1	1	✓	2	2900927-011	TERMINAL BOARD STORAGE DWR ASSY
		1	1	1		1	2901108-011	CABINET ASSEMBLY, SCM/PSAAM
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± –
DO NOT SCALE THIS DRAWING
MATERIAL ———
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 20 JAN 66
CHECKED 9 FEB 66
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL

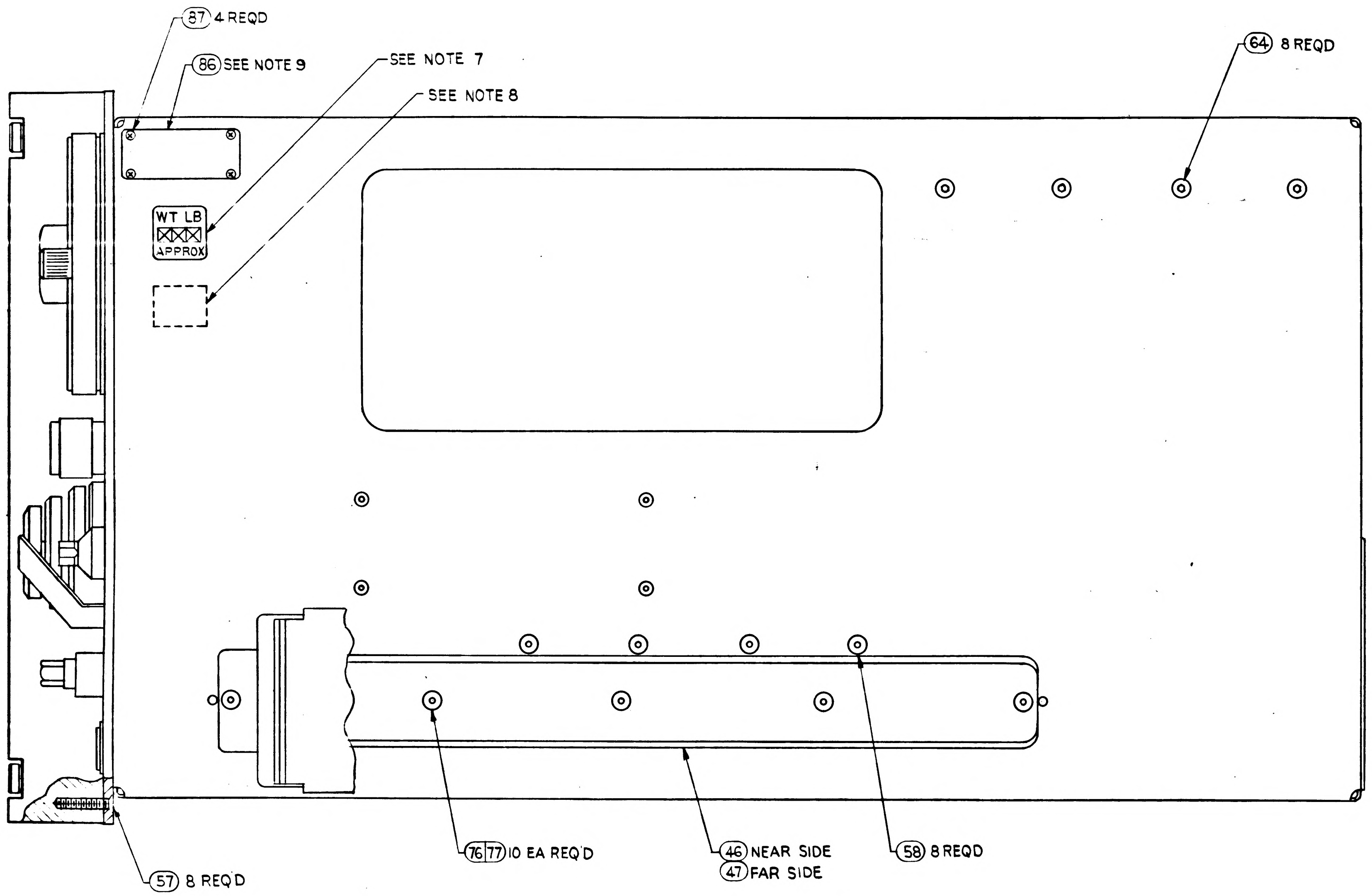
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONSOLE, CALIBRATION AND TEST ASSEMBLY SCM/PSAAM

SIZE E
CODE IDENT NO. 99974
2900895
SCALE 1/4
SHEET 1 OF 1

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
G		REPLACES REV F WITH CHG. PER MXC 209835. WAS "D" SIZE WORD DRAWING		MAR 66	4
H		REVISION STATUS CHANGED		16 MAR 66	
J		REVISION STATUS CHANGED		3 MAR 66	
K		REVISION STATUS CHANGED		7 APR 66	
L		REVISION STATUS CHANGED		2 APR 66	EF
M		REVISION STATUS CHANGED		66	
N		INITIAL RELEASE CLASS A PER TDRR 26657		3 MAY 66	


87 4 REQD
86 SEE NOTE 9
SEE NOTE 7
SEE NOTE 8
64 8 REQD
WT LB
APPROX
76 77 10 EA REQ'D
46 NEAR SIDE
47 FAR SIDE
58 8 REQD
57 8 REQ'D

VIEW C-C

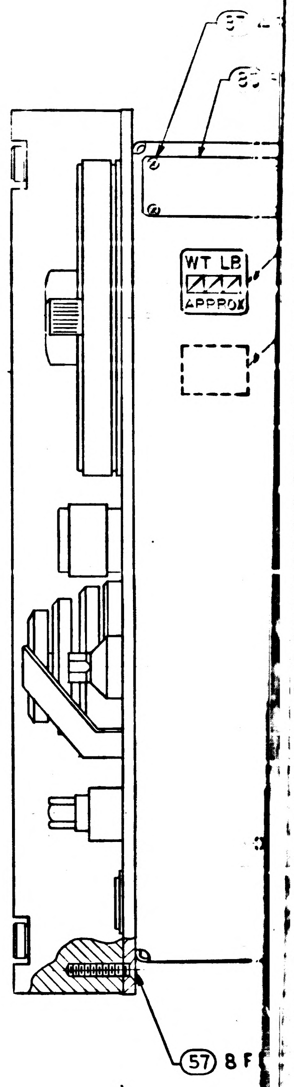
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS			
	DRAWN 16 FEB 66 DATE CHECKED APPROVAL	CONTROL PANEL ASSEMBLY			
DO NOT SCALE THIS DRAWING	CONTRACT NAS 9-497				
MATERIAL	NASA APPROVAL	SIZE J2	CODE IDENT NO. 99974	2900896	
APPROVAL	MIT APPROVAL	SCALE FULL			SHEET 2 OF 2

16 15 14 13 12 11 10 9 8

H

G

F


WT LB
APPROX
(57) 8 F

E

D

C

B

A

MIL 1077J

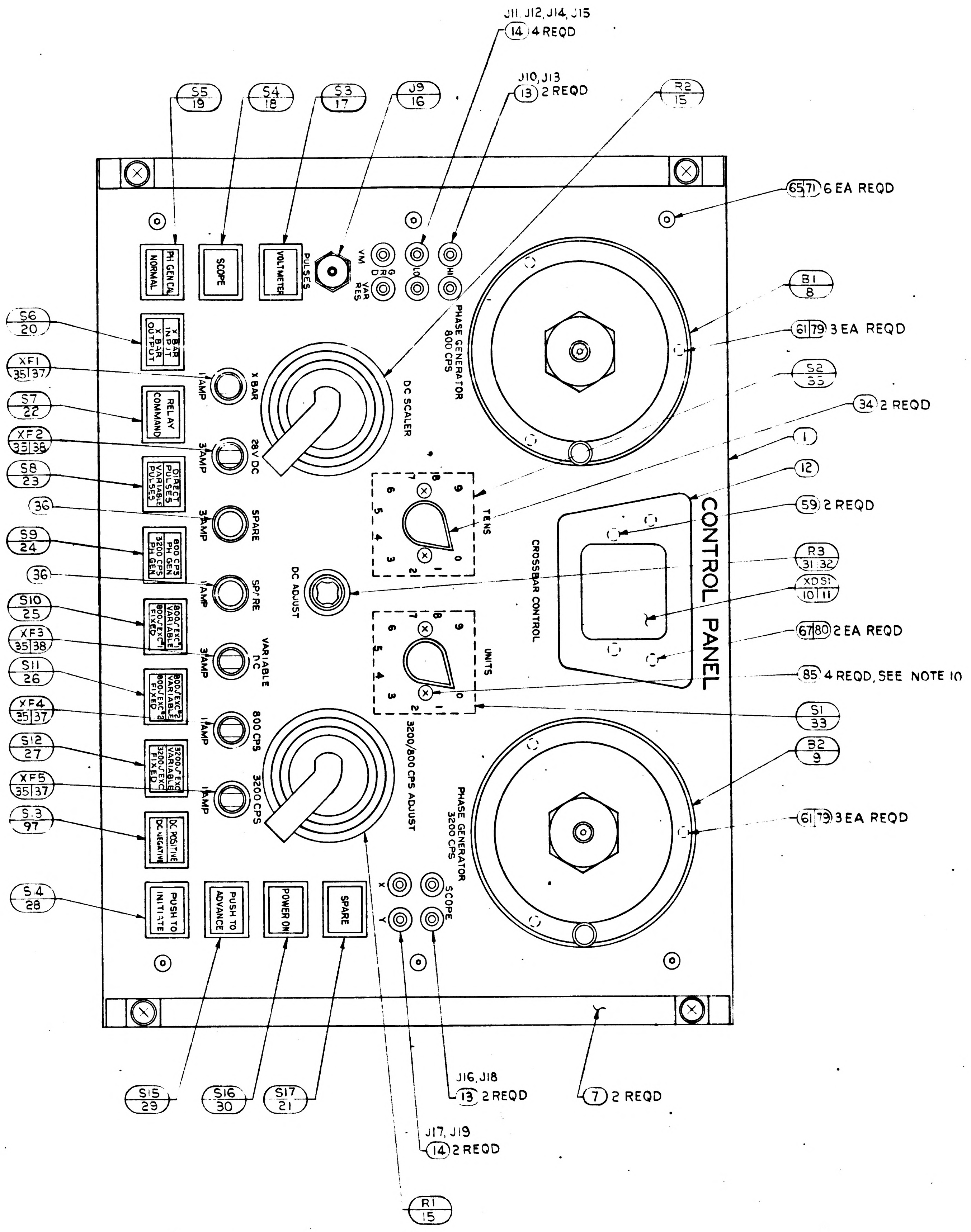
16 15 14 13 12 11 10 9 8

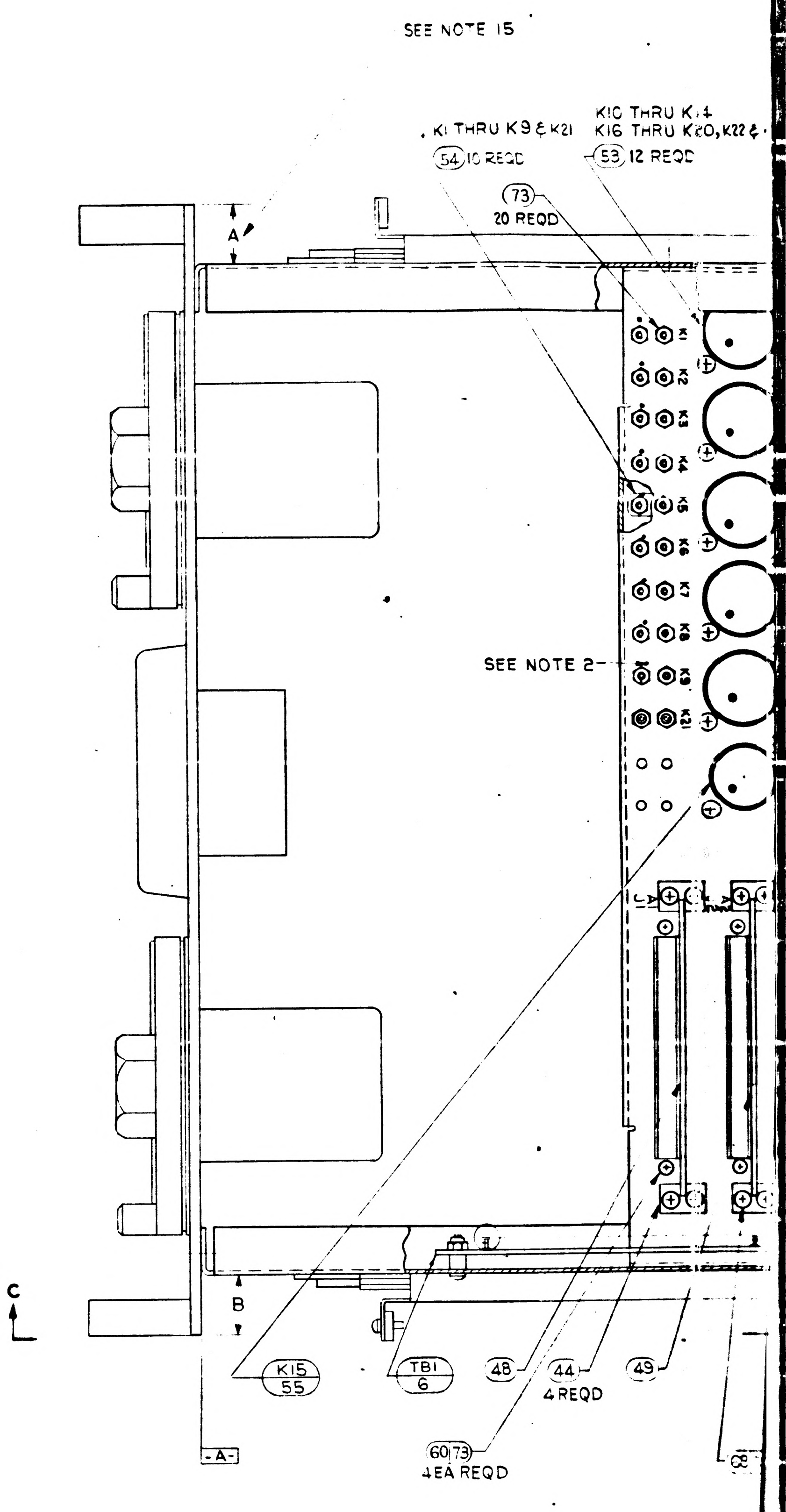
2900896	REV LTR J	SHT 2 OF 2

1/2900896

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. POSITIONING OF RELAYS INDICATED BY DOT AS VIEWED FROM BELOW CHASSIS.
3. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN: PREFIX WITH UNIT NUMBER OR SUB-ASSEMBLY DESIGNATION(S) OR BOTH FOR COMPLETE DESIGNATION.
4. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS (88) AND (89) OR (90).
5. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
6. DRAWER SLIDE MOUNTING SCREWS AND FRONT PANEL MOUNTING SCREWS SHALL BE SUBJECTED TO A TORQUE OF 33.0 - 36.2 IN LB AT INSTALLATION.
7. MARK WEIGHT OF ASSEMBLY (LBS) PER ND 1002123 IN LOCATION SHOWN.
8. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .12 HIGH, IN LOCATION SHOWN.
9. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (86) IN ACCORDANCE WITH ND 1002023 LETTERS AND NUMERALS TO .06 HIGH.
10. SECURE SCREWS USING ITEM (91).
11. QUANTITY SPECIFIED "AR" INDICATES AS REQD.
12. SURFACES OF ITEMS (41) AND (42) THAT MATE WITH ITEM (5) TO BE COATED WITH ITEM (92).
13. LOCATE ITEM (43) IN APPROXIMATE LOCATION SHOWN.
14. SHIM TO FIT, PEEL OFF EXCESS SHIM STOCK
15. DIMENSION A SHALL BE EQUAL TO DIMENSION B WITHIN .040.

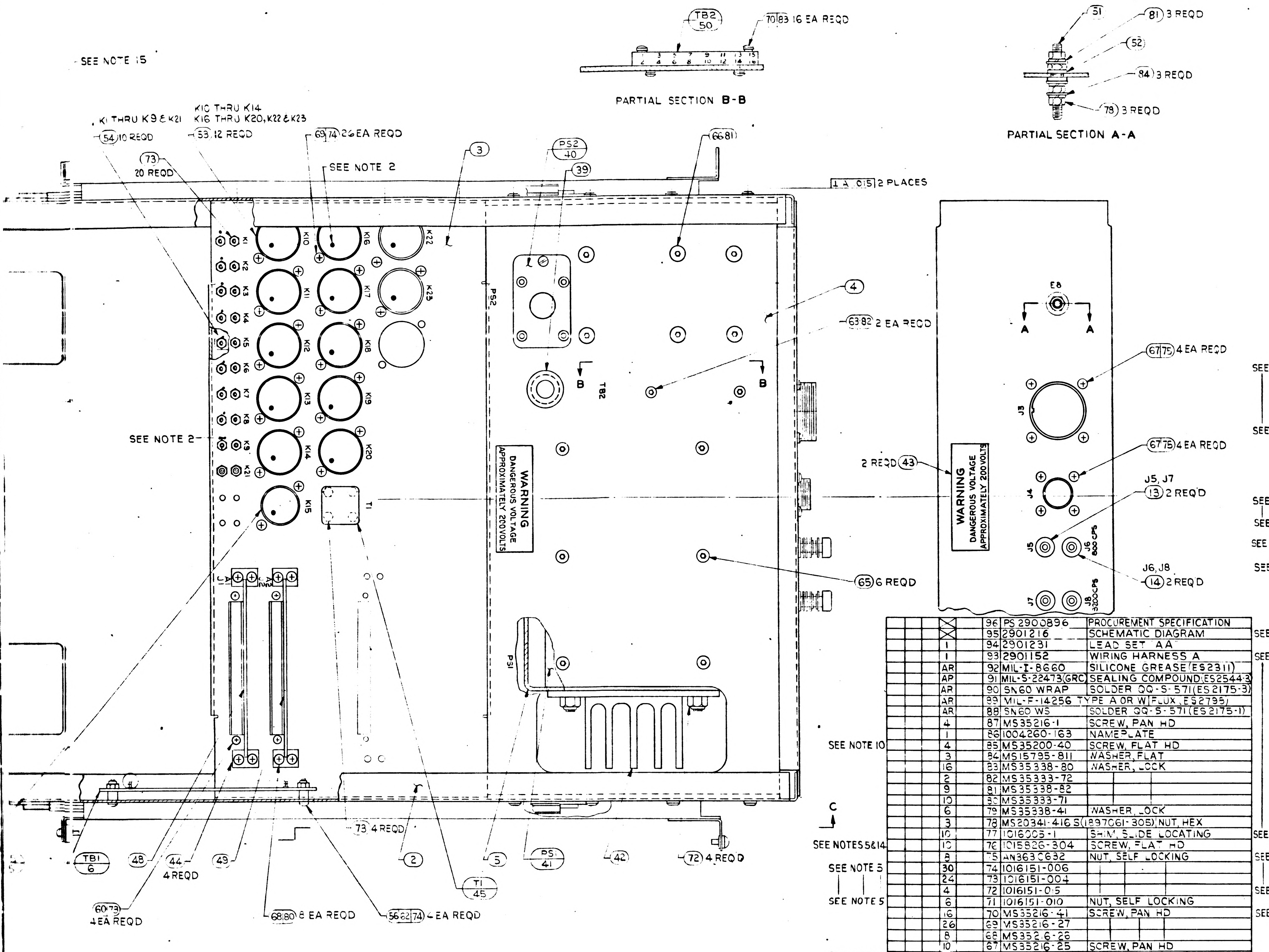

CONTROL PANEL
S5 19
S4 18
S3 17
J9 16
J11, J12, J14, J15
(14) 4 REQD
J10, J13
(13) 2 REQD
R2 15
(65|71) 6 EA REQD
PH GEN CAL
NORMAL
SCOPE
VOLTMETER
PULSES
VM
G R D
VAR RES
LO
HI
PHASE GENERATOR 800 CPS
B1 8
(61|79) 3 EA REQD
S2 33
(34) 2 REQD
(1)
(12)
(59) 2 REQD
R3 31|32
XDS1 10|11
(67|80) 2 EA REQD
(85) 4 REQD, SEE NOTE 10
S1 33
B2 9
(61|79) 3 EA REQD
S6 20
X BAR INPUT
X BAR OUTPUT
XF1 35|37
1 AMP
X BAR
DC SCALER
S7 22
RELAY COMMAND
XF2 35|38
3 AMP
28V DC
S8 23
DIRECT PULSES
VARIABLE PULSES
(36)
SPARE
TENS
CROSSBAR CONTROL
S9 24
800 CPS PH GEN
3200 CPS PH GEN
(36)
SPARE
DC ADJUST
S10 25
800/EXC 1 VARIABLE
800/EXC 1 FIXED
XF3 35|38
VARIABLE DC
UNITS
S11 26
800/EXC 2 VARIABLE
800/EXC 2 FIXED
XF4 35|37
800 CPS
S12 27
3200/EXC VARIABLE
3200/EXC FIXED
XF5 35|37
3200 CPS
3200/800 CPS ADJUST
PHASE GENERATOR 3200 CPS
S13 97
DC POSITIVE
DC NEGATIVE
X
Y
SCOPE
S14 28
PUSH TO INITIATE
PUSH TO ADVANCE
POWER ON
SPARE
S15 29
S16 30
S17 21
J16, J18
(13) 2 REQD
(7) 2 REQD
J17, J19
(14) 2 REQD
R1 15


SEE NOTE 15
K1 THRU K9 & K21
(54) 10 REQD
K10 THRU K14
K16 THRU K20, K22 &
(53) 12 REQD
(73) 20 REQD
A
K1
K2
K3
K4
K5
K6
K7
K8
K9
K21
SEE NOTE 2
B
C
K15 55
TB1 6
(48)
(44) 4 REQD
(49)
(60|73) 4 EA REQD
-A-

2900896	REV P	SHT 1

1/2900896

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
REVISIONS					
[illegible]		[illegible] PER MXC 209435 [illegible]		66	AU
H		REVISED PER MXC 210029		6 MAR 66	RP
J		REVISED PER MXC 210087		66	
K		REVISED PER MXC 210450		7 APR 66	B.
L		REVISED PER MXC 211205		21 APR 66	JHP
M		REVISED PER MXC 21 967		3 MAY 66	LGC
N		INITIAL RELEASE CLASS A PER TDRR 21157		MAY	B.
P		[illegible] PER TDRR 20451		66	JL



SEE NOTE 15
PARTIAL SECTION B-B
TB2 50
70 83 16 EA REQD
2 4 6 8 10 12 14 16
1 3 5 7 9 11 13 15
PARTIAL SECTION A-A
51
81 3 REQD
52
84 3 REQD
79 3 REQD
K1 THRU K9 & K21
54 10 REQD
K10 THRU K14
K16 THRU K20, K22 & K23
53 12 REQD
69 74 26 EA REQD
73
20 REQD
SEE NOTE 2
3
PS2 40
39
66 81
1 A .015 2 PLACES
K1 K2 K3 K4 K5 K6 K7 K8 K9 K21
K10 K11 K12 K13 K14 K15
K16 K17 K18 K19 K20
K22 K23
PS2
4
63 82 2 EA REQD
B B
TB2
SEE NOTE 2
WARNING
DANGEROUS VOLTAGE
APPROXIMATELY 200 VOLTS
T1
65 6 REQD
P31
E8
A A
67 75 4 EA REQD
J3
J4
2 REQD 43
J5, J7
13 2 REQ'D
J5
J6 800 CPS
J6, J8
14 2 REQ'D
J7
J8 3200 CPS
TB1 6
48
44 4 REQD
49
60 73 4 EA REQD
68 80 8 EA REQD
73 4 REQD
56 62 74 4 EA REQD
2
T1 45
5
PS1 41
42
72 4 REQD
C

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 5	1		97	1897337-505	LIGHT INDICATOR SWITCH ASSY

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	☒		96	PS 2900896	PROCUREMENT SPECIFICATION
	☒		95	2901216	SCHEMATIC DIAGRAM
	1		94	2901231	LEAD SET "AA"
	1		93	2901152	WIRING HARNESS A
	AR		92	MIL-I-8660	SILICONE GREASE (ES2311)
	AP		91	MIL-S-22473 (GRC)	SEALING COMPOUND (ES2544-3)
	AR		90	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
	AR		89	MIL-F-14256 TYPE A OR W	FLUX (ES2795)
	AR		88	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
	4		87	MS35216-1	SCREW, PAN HD
	1		86	1004260-163	NAMEPLATE
SEE NOTE 10	4		85	MS35200-40	SCREW, FLAT HD
	3		84	MS15795-811	WASHER, FLAT
	16		83	MS35338-80	WASHER, LOCK
	2		82	MS35333-72	
	9		81	MS35338-82	
	10		80	MS35333-71	
	6		79	MS35338-41	WASHER, LOCK
	3		78	MS20341-416 S (1897061-305)	NUT, HEX
	10		77	1016005-1	SHIM, SLIDE LOCATING
SEE NOTES 5&14	10		76	1015826-304	SCREW, FLAT HD
	8		75	AN363C632	NUT, SELF LOCKING
SEE NOTE 5	30		74	1016151-006	
	24		73	1016151-004	
	4		72	1016151-015	
SEE NOTE 5	6		71	1016151-010	NUT, SELF LOCKING
	16		70	MS35216-41	SCREW, PAN HD
	26		69	MS35216-27	
	8		68	MS35216-26	
	10		67	MS35216-25	SCREW, PAN HD
SEE NOTE 5	6		66	1006783-50	SCREW, BUTTON HD
	12		65	1006783-45	
	8		64	1006783-44	
	2		63	1006783-28	
	4		62	1006783-24	
SEE NOTE 5	6		61	1006783-23	SCREW, BUTTON HD.

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	4		60	MS35216-016	SCREW, PAN HD
SEE NOTE 5	4		59	1015912-193	SCREW, FLAT HD
	3		58	1010830-53	SCREW, FLAT HD
	2		57	1015831-257	SCREW, FLAT HD
	2		56	1015860-001	SPACER
	1		55	1015914-001	RELAY, ARMATURE
SEE NOTE 5	10		54	1015802-004	RELAY, ARMATURE
	12		53	1015837-002	RELAY, ARMATURE
	2		52	2900188-008	WASHER, SHOULDER, NYLON
	1		51	1902370	STUD, SHOULDERED
	1		50	1900837	BUS BAR
	1		49	2901046-011	AMPLIFIER ASSEMBLY
	1		48	2901045-011	DC DETECTOR & AC BUFFER AMPL ASSY
SEE NOTE 5	1		47	1015791-010	CHASSIS SLIDE ASSY L.H.
	1		46	1015791-009	CHASSIS SLIDE ASSY R.H.
SEE NOTE 5	1		45	1897385	TRANSFORMER, POWER
	4		44	1900390	BRACKET, HOLDER, SINGLE
SEE NOTE 13	2		43	1900617	WARNING PLATE
	1		42	1897400-001	THERMAL RADIATOR
SEE NOTE 5	1		41	1897201-5	POWER SUPPLY
	1		40	1897396-001	VARIABLE SUPPLY
	1		39	MS35490-37	GROMMET
	2		38	F02A250V3A (1897099-012)	FUSE, CARTRIDGE
	3		37	F02A250V1A (1897099-009)	FUSE, CARTRIDGE
	2		36	MS26572-1	FUSEHOLDER
SEE NOTE 5	5		35	1015873-008	FUSEHOLDER
	2		34	MS91528-2K2B (1897080-023)	KNOB, CONTROL, ROTARY
SEE NOTE 5	2		33	1015825-016	SWITCH, ROTARY
	1		32	1015974-112	DIAL, 10 TURN
	1		31	1897419-009	RESISTOR, VARIABLE
	1		30	1897337-309	LIGHT INDICATOR SWITCH ASSY
	1		29	1015869-336	
	1		28	1897337-308	
	1		27	1897337-759	
	1		26	1897337-758	
	1		25	1897337-757	
	1		24	1897337-752	
	1		23	1897337-754	
	1		22	1897337-310	
	1		21	1015869-159	
	1		20	1897337-702	
	1		19	1897337-756	
	1		18	1897337-755	
SEE NOTE 5	1		17	1897337-753	LIGHT INDICATOR SWITCH ASSY
	1		16	1896917-001	CONNECTOR, PLUG, ELECTRICAL
SEE NOTE 5	2		15	1015945-001	RESISTOR, VARIABLE
	8		14	1897302-002	JACK, TIP-BANANA (BLACK)
	6		13	1897302-001	JACK, TIP-BANANA (RED)
SEE NOTE 5	1		12	1015943-001	BEZEL
	1		11	1900220	SPACER, DIGTAL READOUT
SEE NOTE 5	1		10	1015844-001	READOUT, DIGITAL
	1		9	1897381	PHASE GENERATOR, 3200 CPS
	1		8	1897380	PHASE GENERATOR, 800 CPS
	2		7	1900015-081	HANDLE ASSEMBLY
	1		6	2901036-011	COMPONENT BOARD ASSEMBLY
	1		5	2901151	BRACKET, PWR SUP, LOWER (INSEP ASSY)
	1		4	2901118	BRACKET, PWR SUP, UPPER (INSEP ASSY)
	1		3	2901097	BRACKET, RELAY (INSEP ASSY)
	1		2	2901096	CHASSIS, ELECTRICAL EQUIPMENT
	1		1	2901035	PANEL, FRONT

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO
2900895-011	2900895-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN Jamowrak DATE 16 FEB 66
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

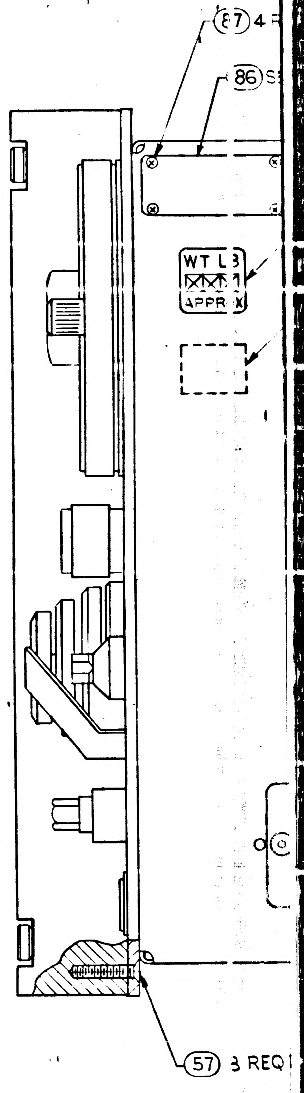
MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CONTROL PANEL
ASSEMBLY

SIZE J2 CODE IDENT NO 99974 2900896
SCALE FULL SHEET 1 OF 2

2900896 REV P SHT 1 OF 2

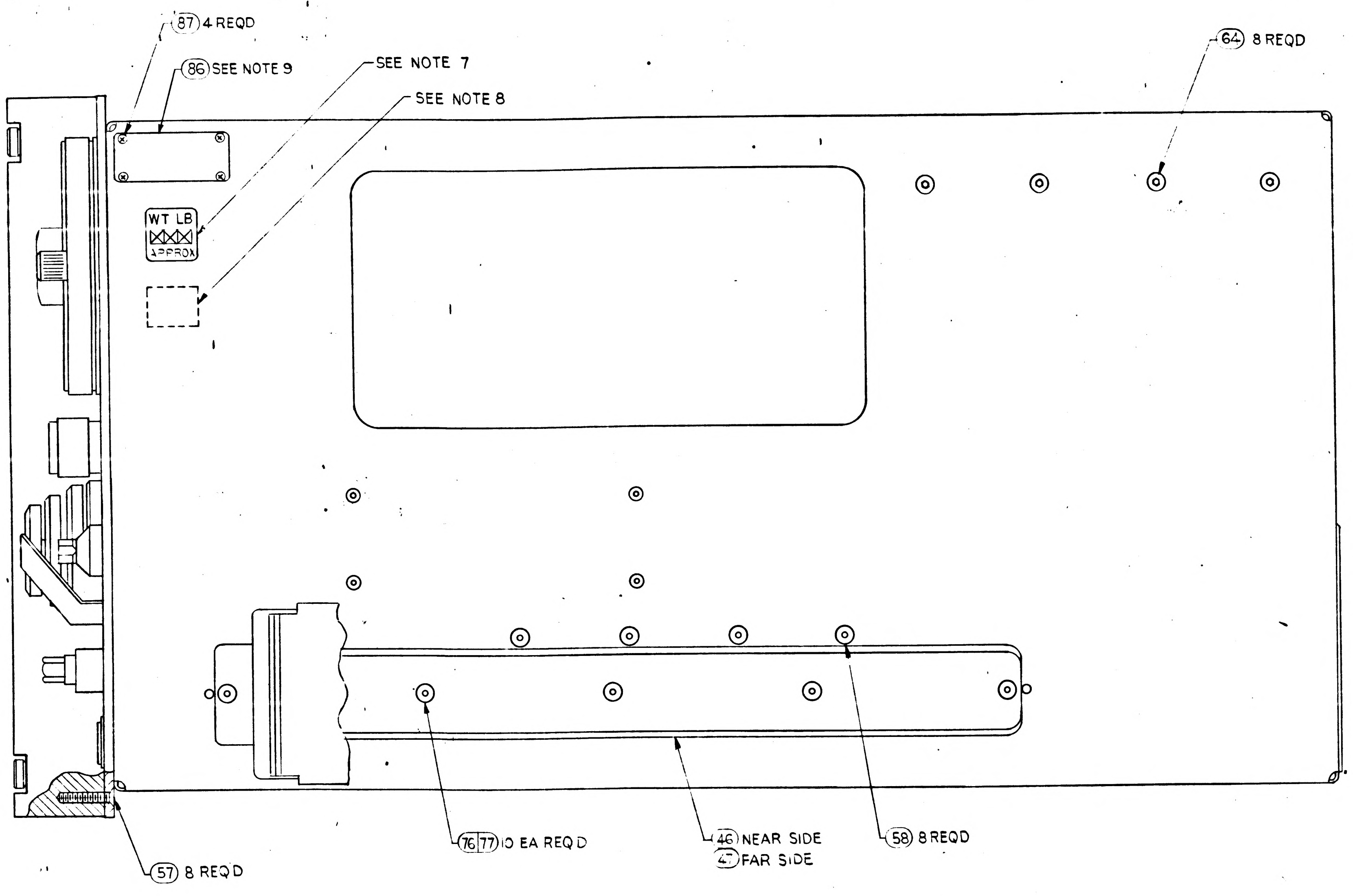
27 2900896



(87) 4 R
(86) S
WT LB
APPR X
(57) 3 REQ

2900896	REV LTR F	SHT 2 OF 2

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
		REPLACES REV F WITH CHG PER MAC-257835 [illegible] SIZE NEW DRAWING		16 MAR 66	E AU
H		REVISION STATUS CHANGED		16 MAR 66	RP
J		REVISION STATUS CHANGED		[illegible] 66	E
K		REVISION STATUS CHANGED		7 APR 66	B.
L		REVISION STATUS CHANGED		21 APR 66	JHP
M		REVISION STATUS CHANGED		3 MAY 66	LGC
N		INITIAL RELEASE CLASS A PER TDRR [illegible]57		5 MAY 66	JHP
		REVISION STATUS CHGD		11 [illegible] 66	J.I


87 4 REQD
86 SEE NOTE 9
SEE NOTE 7
SEE NOTE 8
WT LB
APPROX
64 8 REQD
57 8 REQD
76 77 10 EA REQD
46 NEAR SIDE
47 FAR SIDE
58 8 REQD

VIEW C-C

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + — − 3 PLACE DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DO NOT SCALE THIS DRAWING	DRAWN Janourak DATE 16 FEB 66 CHECKED APPROVAL CONTRACT NAS 9-497	CONTROL PANEL ASSEMBLY	
MATERIAL	NASA APPROVAL	SIZE J2	CODE IDENT NO 99974 — 2900896
APPROVAL	MIT APPROVAL	SCALE FULL	SHEET 2 OF 2

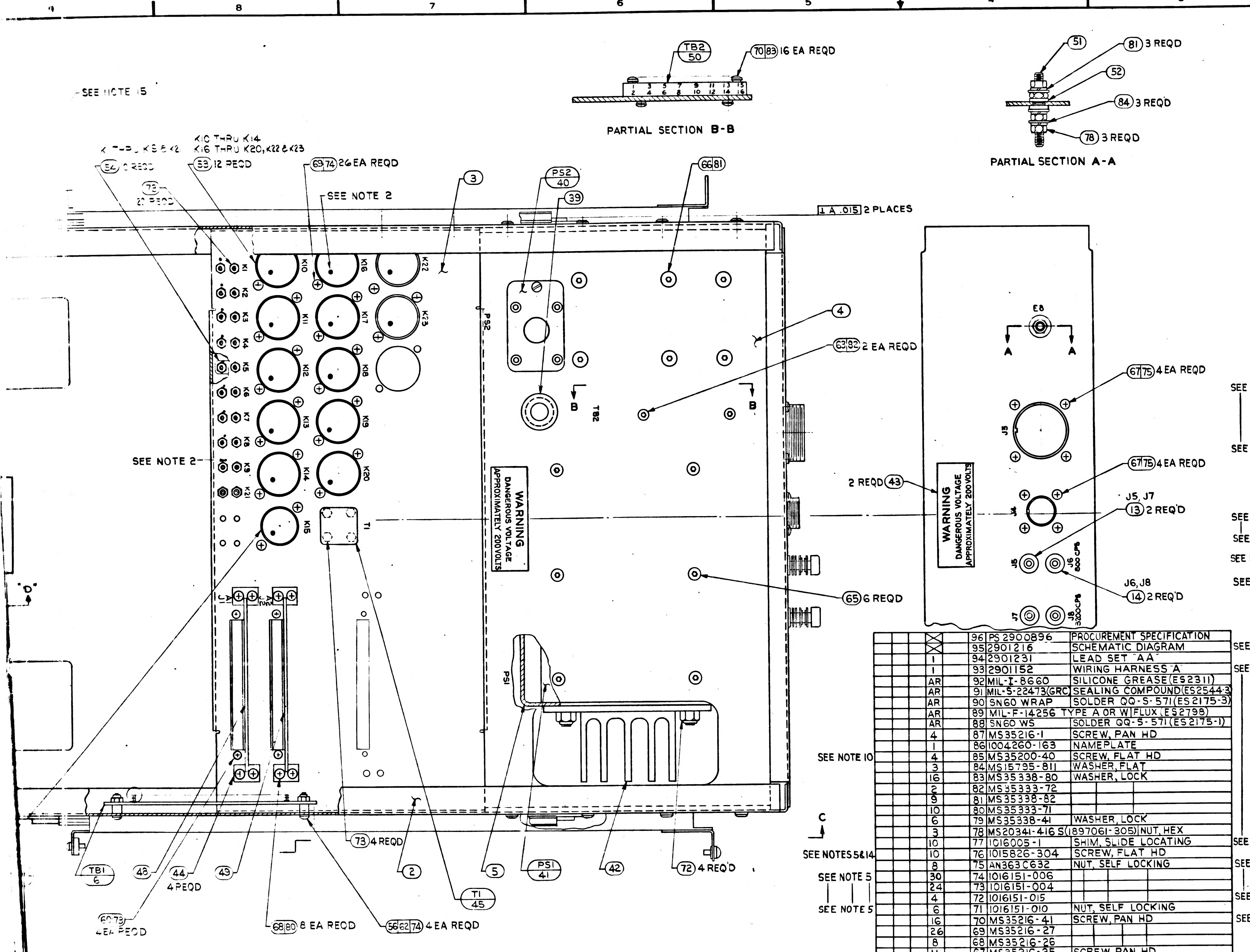
2900896	REV LTR P	SHT 2 OF 2

2900896 P

2900896

2/2900896

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
J		REPLACES REVISION F WITH CHANGE PER MXC 209835 WAS D SIZE NORD DRAWING		MAR 66	AU
H		REVISED PER MXC 210029		16 MAR 66	RP
J		REVISED PER MXC 210087		MAR 66	
K		REVISED PER MXC 210450		7 APR 66	B PF
L		REVISED PER MXC 211205		2 APR 66	EF
M		REVISED PER MXC 211967		3 MAY 66	EF
N		INITIAL RELEASE CLASS A PER TDRR 28657		3 MAY 66	EF
P		REVISED PER TDRR 3045		AUG 66	
R		REVISED PER TDRR 30525		2 AUG 66	



TB2
50
70 83 16 EA REQD
1 3 5 7 9 11 13 15
2 4 6 8 10 12 14 16
PARTIAL SECTION B-B
51
81 3 REQD
52
84 3 REQD
78 3 REQD
PARTIAL SECTION A-A
SEE NOTE 15
K1 THRU K9 & K21
54 10 REQD
K10 THRU K14
K16 THRU K20, K22 & K23
53 12 REQD
73
69 74 26 EA REQD
SEE NOTE 2
3
PS2
40
39
66 81
A .015 2 PLACES
4
63 82 2 EA REQD
K1
K2
K3
K4
K5
K6
K7
K8
K9
K21
K10
K11
K12
K13
K14
K15
K16
K17
K18
K19
K20
K22
K23
PS2
TB2
B
B
T1
WARNING
DANGEROUS VOLTAGE
APPROXIMATELY 200 VOLTS
SEE NOTE 2
"D"
PS1
E8
A
A
67 75 4 EA REQD
J3
67 75 4 EA REQD
J4
2 REQD 43
WARNING
DANGEROUS VOLTAGE
APPROXIMATELY 200 VOLTS
J5, J7
13 2 REQ'D
J5
J6 800 CPS
J6, J8
14 2 REQ'D
J7
J8 3200 CPS
65 6 REQD
C
73 4 REQD
TB1
6
48
44
4 REQD
43
2
5
PS1
41
42
72 4 REQ'D
T1
45
60 79 4 EA REQD
68 80 8 EA REQD
56 62 74 4 EA REQD

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				AR		102	MIL-A-5092 TYPE II	ADHESIVE
SEE NOTE 17				1		101	1016171-001	SEAL CHANNEL EXTRUDED
				1		100	MS 35333-71	WASHER, LOCK, INTERNAL TOOTH
				1		99	AN960C-6	(1897006-026) WASHER, FLAT
				1		98	1015902-045	LUG TERMINAL
SEE NOTE 5				1		97	1897337-505	LIGHT INDICATOR SWITCH ASSY

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				☒		96	PS 2900896	PROCUREMENT SPECIFICATION
				☒		95	2901216	SCHEMATIC DIAGRAM
				1		94	2901231	LEAD SET "AA"
				1		93	2901152	WIRING HARNESS "A"
				AR		92	MIL-I-8660	SILICONE GREASE (ES2311)
				AR		91	MIL-S-22473 (GRC)	SEALING COMPOUND (ES2544-3)
				AR		90	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		89	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
				AR		88	SN60 WS	SOLDER QQ-S-571 (ES2175-1)
				4		87	MS35216-1	SCREW, PAN HD
				1		86	1004260-163	NAMEPLATE
SEE NOTE 10				4		85	MS35200-40	SCREW, FLAT HD
				3		84	MS15795-811	WASHER, FLAT
				16		83	MS35338-80	WASHER, LOCK
				2		82	MS35333-72	
				9		81	MS35338-82	
				10		80	MS35333-71	
				6		79	MS35338-41	WASHER, LOCK
				3		78	MS20341-416 S(1897061-305)	NUT, HEX
				10		77	1016005-1	SHIM, SLIDE LOCATING
SEE NOTES 5&14				10		76	1015826-304	SCREW, FLAT HD
				8		75	AN363C632	NUT, SELF LOCKING
SEE NOTE 5				30		74	1016151-006	
				24		73	1016151-004	
				4		72	1016151-015	
SEE NOTE 5				6		71	1016151-010	NUT, SELF LOCKING
				16		70	MS35216-41	SCREW, PAN HD
				26		69	MS35216-27	
				8		68	MS35216-26	
				11		67	MS35216-25	SCREW, PAN HD
SEE NOTE 5				6		66	1006783-50	SCREW, BUTTON HD
				12		65	1006783-45	
				8		64	1006783-44	
				2		63	1006783-28	
				4		62	1006783-24	
SEE NOTE 5				6		61	1006783-23	SCREW, BUTTON HD.

LIST OF PARTS AND MATERIALS

	QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011				
				4		60	MS35216-016	SCREW, PAN HD
SEE NOTE 5				4		59	1015912-193	SCREW, FLAT HD
				8		58	1010630-53	SCREW, FLAT HD
				8		57	1015831-257	SCREW, FLAT HD
				2		56	1015860-001	SPACER
				1		55	1015914-001	RELAY, ARMATURE
				10		54	1015802-004	RELAY, ARMATURE
SEE NOTE 5				12		53	1015837-002	RELAY, ARMATURE
				2		52	2900188-008	WASHER, SHOULDER, NYLON
				1		51	1902370	STUD, SHOULDERED
				1		50	1900837	BUS BAR
				1		49	2901046-011	AMPLIFIER ASSEMBLY
				1		48	2901045-011	DC DETECTOR & AC BUFFER AMPL ASSY
SEE NOTE 5				1		47	1015791-010	CHASSIS SLIDE ASSY L.H.
				1		46	1015791-009	CHASSIS SLIDE ASSY R.H.
SEE NOTE 5				1		45	1897385	TRANSFORMER, POWER
				4		44	1900390	BRACKET, HOLDER, SINGLE
SEE NOTE 13				2		43	1900617	WARNING PLATE
				1		42	1897400-001	THERMAL RADIATOR
SEE NOTE 5				1		41	1897211-5	POWER SUPPLY
				1		40	1897396-001	VARIABLE SUPPLY
				1		39	MS35490-37	GROMMET
				2		38	F02A250V3A (1897099-012)	FUSE, CARTRIDGE
				3		37	F02A250V1A (1897099-009)	FUSE, CARTRIDGE
				2		36	MS26572-1	FUSEHOLDER
SEE NOTE 5				5		35	1015873-008	FUSEHOLDER
				2		34	MS91528-2K2B (1897080-023	KNOB, CONTROL, ROTARY
SEE NOTE 5				2		33	1015825-016	SWITCH, ROTARY
				1		32	1015974-112	DIAL, 10 TURN
				1		31	1897419-009	RESISTOR, VARIABLE
				1		30	1897337-309	LIGHT INDICATOR SWITCH ASSY
				1		29	1015869-336	
				1		28	1897337-308	
				1		27	1897337-759	
				1		26	1897337-758	
				1		25	1897337-757	
				1		24	1897337-752	
				1		23	1897337-754	
				1		22	1897337-310	
				1		21	1015869-159	
				1		20	1897337-702	
				1		19	1897337-756	
				1		18	1897337-755	
SEE NOTE 5				1		17	1897337-753	LIGHT INDICATOR SWITCH ASSY
				1		16	1896917-001	CONNECTOR, PLUG, ELECTRICAL
SEE NOTE 5				2		15	1015945-001	RESISTOR, VARIABLE
				8		14	1897302-002	JACK, TIP-BANANA (BLACK)
				6		13	1897302-001	JACK, TIP-BANANA (RED)
SEE NOTE 5				1		12	1015943-001	BEZEL
				1		11	1900220	SPACER, DIGTAL READOUT
SEE NOTE 5				1		10	1015844-001	READOUT, DIGITAL
				1		9	1897381	PHASE GENERATOR, 3200 CPS
				1		8	1897380	PHASE GENERATOR, 800 CPS
				2		7	1900015-081	HANDLE ASSEMBLY
				1		6	2901036-011	COMPONENT BOARD ASSEMBLY
				1		5	2901151	BRACKET, PWR. SUP. LOWER, (ASSY)
				1		4	2901118	BRACKET, PWR SUP UPPER (ASSY)
				1		3	2901097	BRACKET, RELAY (ASSY)
				1		2	2901096	CHASSIS, ELECTRICAL EQUIPMENT
				1		1	2901035	PANEL, FRONT

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900895-011	2900895-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN Jamounak DATE 16 FEB 66
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONTROL PANEL
ASSEMBLY

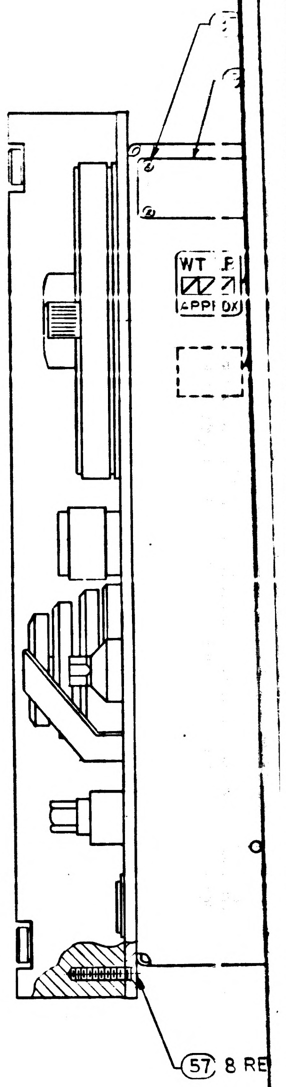
SIZE J2 CODE IDENT NO. 99974 2900896
SCALE FULL SHEET 1 OF 2

R 2900896

2900896

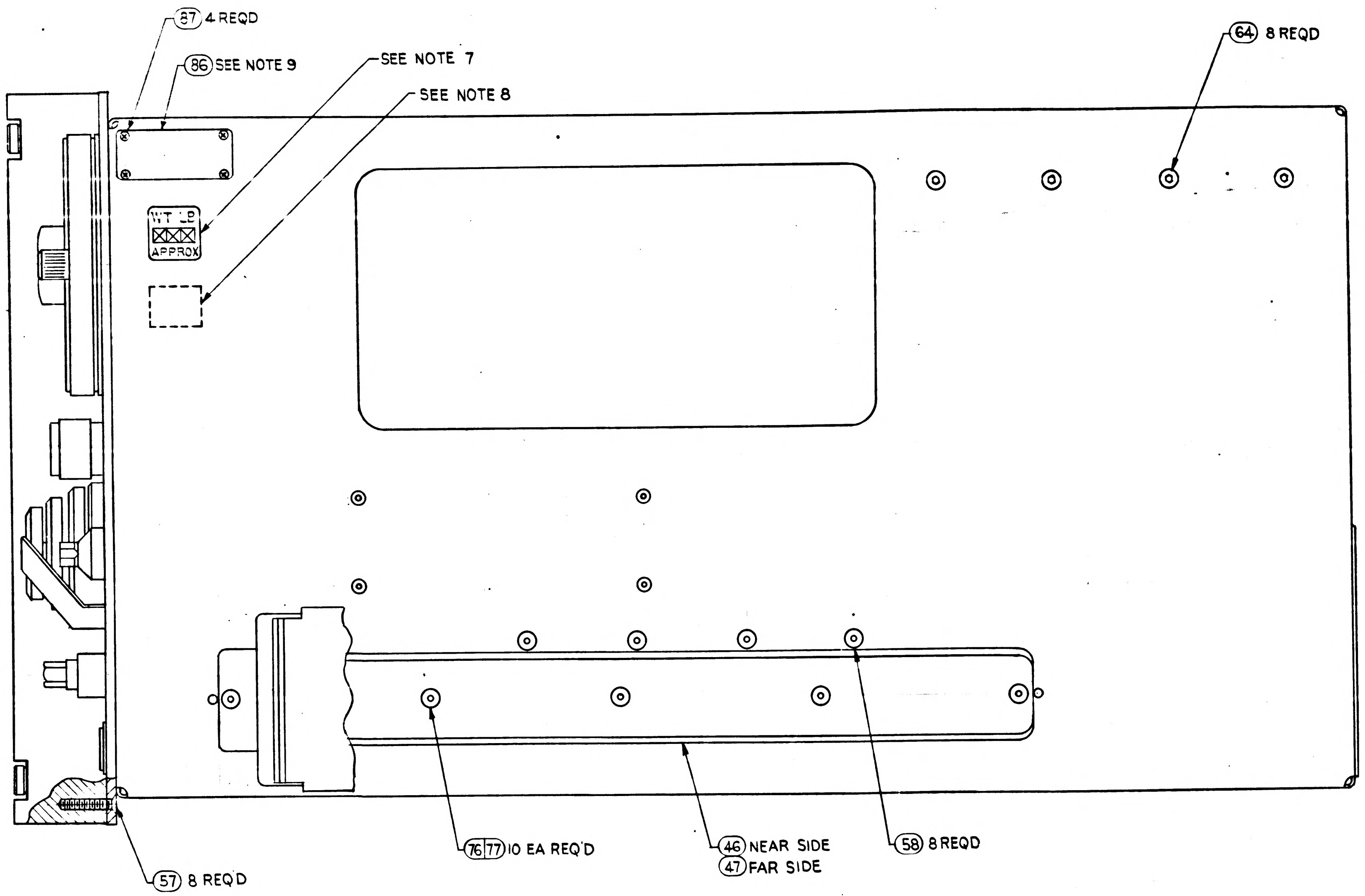
00896 R

2/2900896


WT
APPROX
57
8 RE

2900896	REV LTR C	SHT 2 OF 2

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
G		REPLACES REV F WITH CHG. PER MXC 209835 HAS "D" SIZE WORD DRAWING		10 MAR 66	AU
H		REVISION STATUS CHANGED		16 MAR 66	
J		REVISION STATUS CHANGED		3 MAR 66	
K		REVISION STATUS CHANGED		7 APR 66	B.
L		REVISION STATUS CHANGED		2 APR 66	EF
M		REVISION STATUS CHANGED		66	
N		INITIAL RELEASE CLASS A PER TDRR 28657		3 MAY 66	EF
P		REVISION STATUS CHGD		AUG 66	J.I
R		REVISION STATUS CHG'D		2 AUG 66	JJB J.I


(87) 4 REQD
(86) SEE NOTE 9
SEE NOTE 7
SEE NOTE 8
WT LB
APPROX
(64) 8 REQD
(57) 8 REQD
(76)(77) 10 EA REQ'D
(46) NEAR SIDE
(47) FAR SIDE
(58) 8 REQD

VIEW C-C

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Jamourale DATE 16 FEB 66 CHECKED APPROVAL CONTRACT NAS 9-497	CONTROL PANEL ASSEMBLY
MATERIAL	NASA APPROVAL	SIZE J2 CODE IDENT NO. 99974 2900896
APPROVAL	MIT APPROVAL	SCALE FULL SHEET 2 OF 2

2900896 REV LTR SHT 2 OF 2

2/2900896

APPLICATION	
NEXT ASSY	USED ON
29000…	2900034-001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 25570	3 JAN 66	JJL / BMG

REV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
SHEET	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
REV STATUS REV						A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
OF SHEETS SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN J. Parks 18 NOV 65
CHECKED M. Manning DATE 18 NOV 65
APPROVAL J. Cunningham 19 NOV 65
APPROVAL J. M. Watson 1-7-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

RUNNING LIST - OSCILLOGRAPH SIGNAL SELECTOR ASSEMBLY

NASA APPROVAL A. C. METZGER
MIT APPROVAL M G Murphy 1-5-66
CONTRACT NAS 9-497

SIZE	CODE IDENT NO.		REV
A	99974	2900901	A

SCALE NONE SHEET 1 OF 131

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV
48	A	82	A	116	A
49	A	83	A	117	A
50	A	84	A	118	A
51	A	85	A	119	A
52	A	86	A	120	A
53	A	87	A	121	A
54	A	88	A	122	A
55	A	89	A	123	A
56	A	90	A	124	A
57	A	91	A	125	A
58	A	92	A	126	A
59	A	93	A	127	A
60	A	94	A	128	A
61	A	95	A	129	A
62	A	96	A	130	A
63	A	97	A	131	A
64	A	98	A		
65	A	99	A		
66	A	100	A		
67	A	101	A		
68	A	102	A		
69	A	103	A		
70	A	104	A		
71	A	105	A		
72	A	106	A		
73	A	107	A		
74	A	108	A		
75	A	109	A		
76	A	110	A		
77	A	111	A		
78	A	112	A		
79	A	113	A		
80	A	114	A		
81	A	115	A		

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

SIZE	CODE IDENT. NO.	
A	99974	2900901

SCALE NONE REV LTR A SHEET 2 OF 131

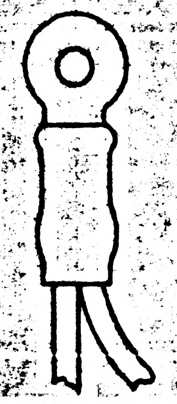


FIGURE 1
1015902-046

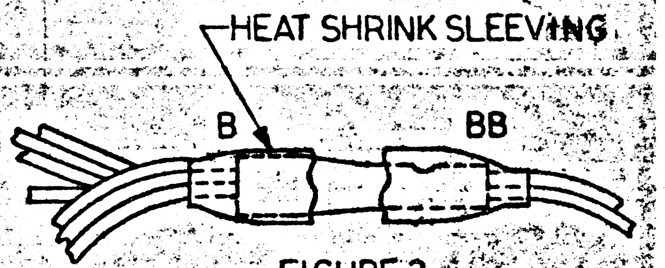


FIGURE 2
1016006-002
NUMBER OF WIRES FOR REFERENCE

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 3 OF 131

TYPICAL FOR 800 CPS PHASE GENERATOR (G1) AND 3200 CPS PHASE GENERATOR (G2)

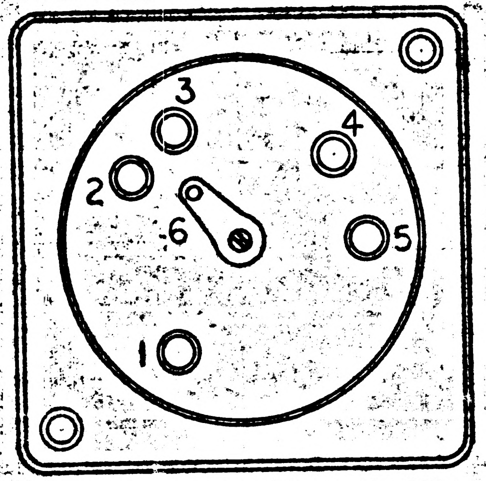


FIGURE 3
1015820
1015821

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 4 OF 131

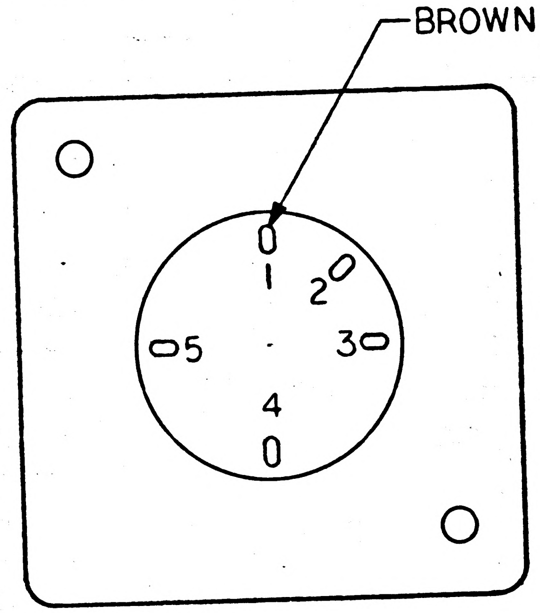

BROWN DOT
1
2
3
4
5

FIGURE 5
1015842

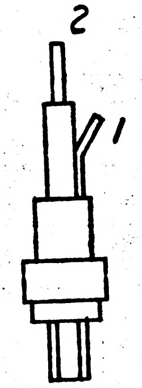


FIGURE 6
1015873-008

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 6 OF 131

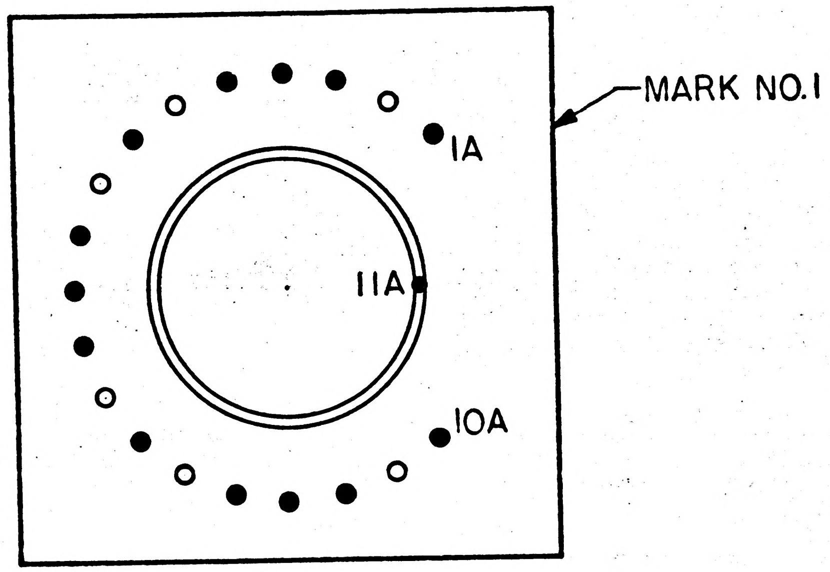
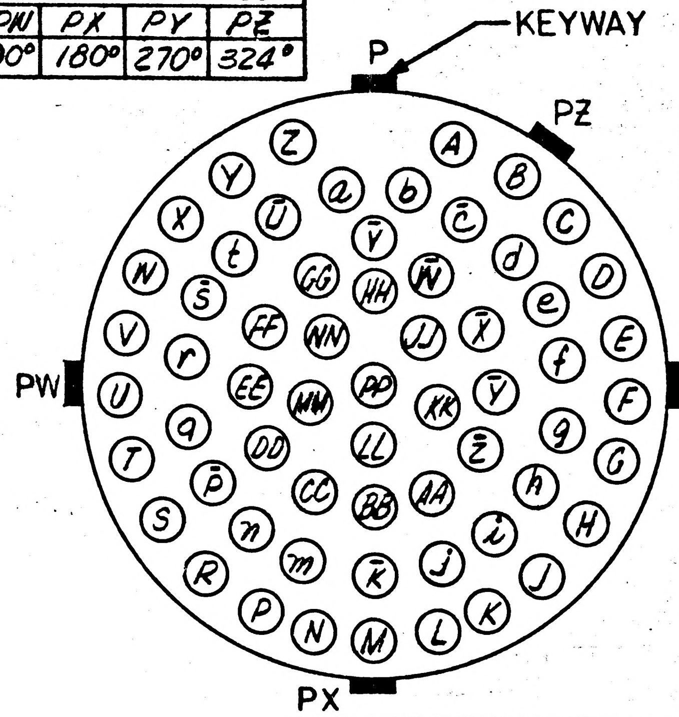

MARK NO.1
1A
11A
10A

FIGURE 7
1015825-004

TERMINAL LAYOUT IS VIEWED FROM REAR OF SWITCH

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 7 OF 131

INSERT ARR	INSERT POSITIONS DEGREES				
	P	PW	PX	PY	PZ
-61	0°	90°	180°	270°	324°


KEYWAY
P
PZ
PW
PY
PX
Z
A
B
C
D
E
F
G
H
J
K
L
M
N
P
R
S
T
U
V
W
X
Y
a
b
c
d
e
f
g
h
i
j
k
m
n
p
q
r
s
t
U
V
W
X
Y
Z
AA
BB
CC
DD
EE
FF
GG
HH
JJ
KK
LL
MM
NN
PP

FACE VIEW OF CONNECTOR SHOWN MS-3127E-24-61P, PX, PY, PW, PZ,

FIGURE 4

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 5 OF 131

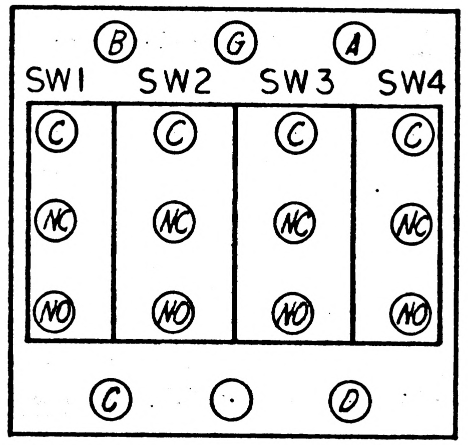

B
G
A
SW1
SW2
SW3
SW4
C
NC
NO
C
D

FIGURE 8

TYPICAL FOR 1015869-804, 803,

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 8 OF 131

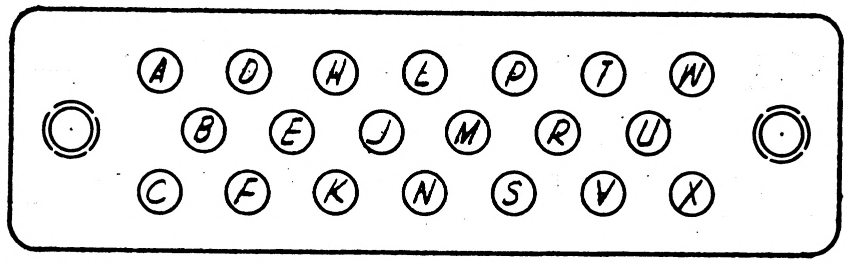

A D H L P T W
B E J M R U
C F K N S V X

FIGURE 10
1015867-200
FACE VIEW OF CONNECTOR SHOWN

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 10 OF 131

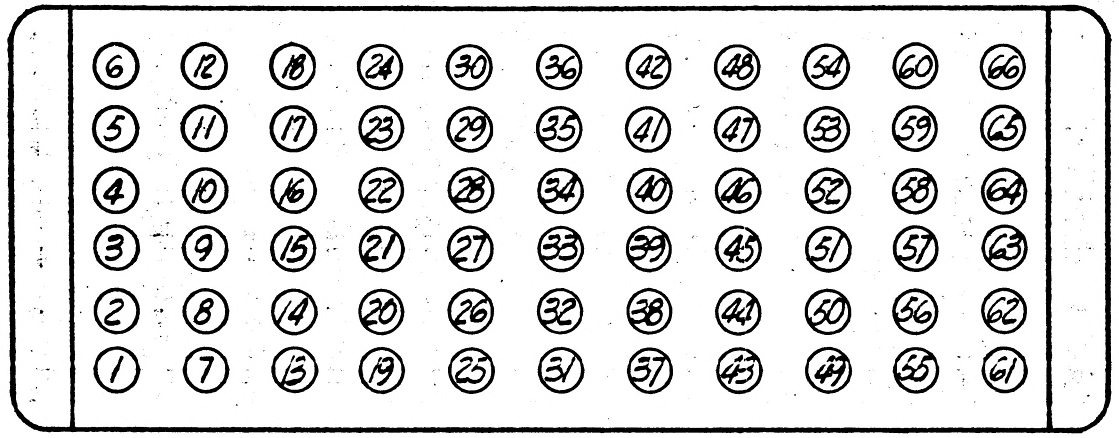

6 12 18 24 30 36 42 48 54 60 66
5 11 17 23 29 35 41 47 53 59 65
4 10 16 22 28 34 40 46 52 58 64
3 9 15 21 27 33 39 45 51 57 63
2 8 14 20 26 32 38 44 50 56 62
1 7 13 19 25 31 37 43 49 55 61

FIGURE 11
1015817-660
1015818-660
FACE VIEW OF 1015817-660 SHOWN
REAR VIEW OF 1015818-660.

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 11 OF 131

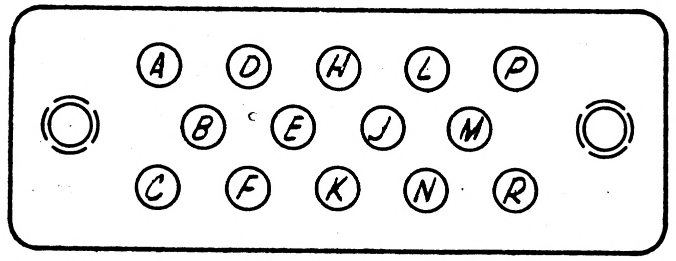

A D H L P
B E J M
C F K N R

FIGURE 9
1015867-140

FACE VIEW OF CONNECTOR SHOWN

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 9 OF 131

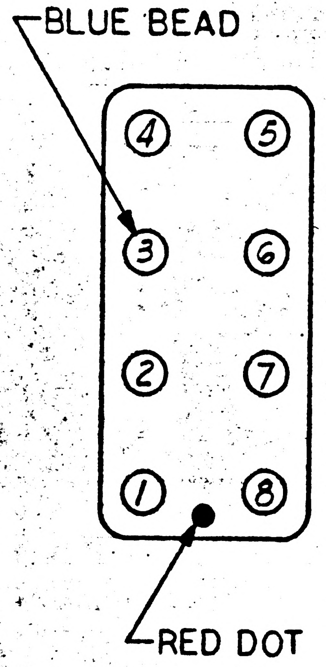

BLUE BEAD
4 5
3 6
2 7
1 8
RED DOT

FIGURE 12
1015802-004

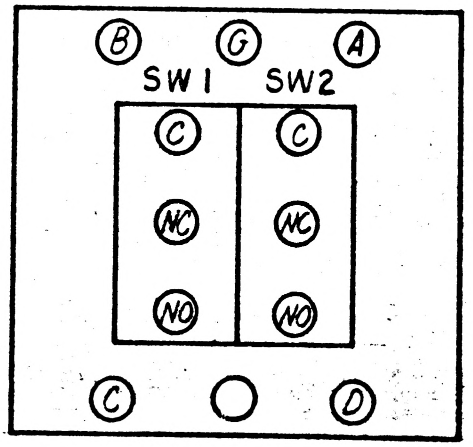

B G A
SW 1 SW 2
C C
NC NC
NO NO
C D

FIGURE 13
TYPICAL FOR 1015869-513, 514, 515, 516

MANNED SPACECRAFT CENTER HOUSTON, TEXAS	REVISION	NASA DRAWING NO.
	A	2900901 SHEET 12 OF 131

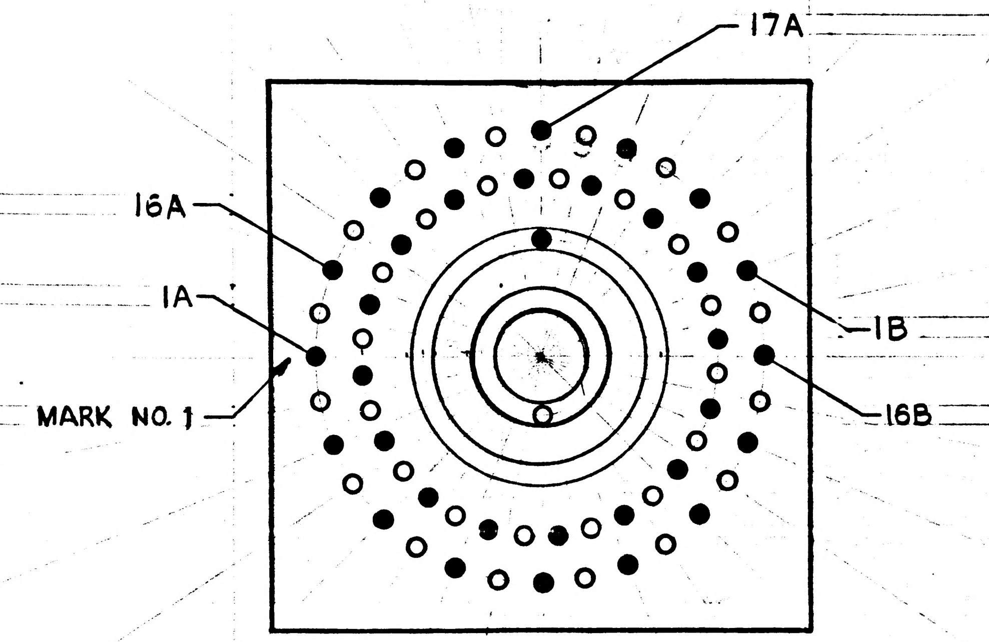


FIGURE 16
1015825-001 (FIG.1)
TERMINAL LAYOUT IS VIEWED FROM REAR OF SWITCH

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900901
SCALE-NONE | REV LTR A | SHEET 14 OF 131

```
PENNANT                          GENERAL NOTES
 NOTE

   1        ALL PART NUMBERS ARE FOR REFERENCE ONLY.
   2        PARTIAL REFERENCE DESIGNATIONS ARE SHOWN PREFIX WITH UNIT
            NUMBER OR ASSEMBLY DESIGNATION OR BOTH.
   3        DRAWINGS FOR REFERENCE ---
               2900034-011 ASSEMBLY
               2900536     SCHEMATIC DIAGRAM
               2900463     WIRE HARNESS A
               1900394     WIRE HARNESS B
               1902321     WIRE LIST AA
               1900413     WIRE LIST BB
               1902323     WIRE LIST CC

               1902322     WIRE LIST DD
               1902324     WIRE LIST EE
               1902355     WIRE LIST FF
               1900494     WIRE LIST GG
               1900495     WIRE LIST HH
   4        A LETTER WITH AN ASTERISK, INDICATES A LOWER CASE LETTER.
   5        THE SUFFIX LETTER OF A CONDUCTOR IDENTIFICATION NUMBER
            INDICATES CONDUCTOR SHIELDING OR COLOR.
               A - FROM END SHIELD
               B - TO END SHIELD
               L - WHITE WITH BLUE TRACER
               R - WHITE WITH RED TRACER
               W - WHITE
   6        ALL WIRES ARE WHITE UNLESS OTHERWISE SPECIFIED.
   7        ALL WHITE WIRES WITH TRACERS ARE MULTICONDUCTOR SHIELDED WIRES.
```

SIZE A | CODE IDENT NO. 99974 | 2900901
SCALE-NONE | REV LTR A | SHEET 15 OF 131

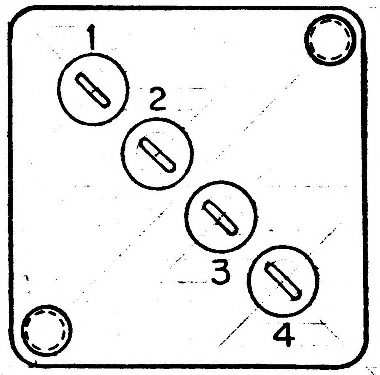


FIGURE 14
1897226
1897246

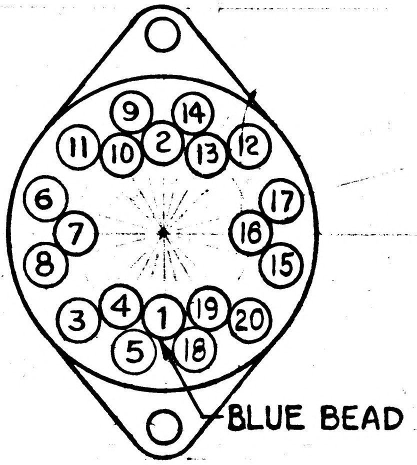


FIGURE 15
1015837-001

MANNED SPACECRAFT CENTER HOUSTON, TEXAS | SIZE A | 2900901
SCALE-NONE | REV LTR A | SHEET 13 OF 131

```
 FROM        TO        LEAD NO  C I R C U I T  F U N C T I O N      PEN NOTE  WIRE CODE

        E1   TERMINAL LUG P/N 1015902- 46 CHASSIS GROUND FIG 1

E1          J1-A          A   1  CHASSIS GND
E1          G2- 6         A 318  CHASSIS GND


        E2   SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E2          SHLD A2       A   2A (J9 END)
E2          SHLD A3       A   3A (J12 END)
E2          SHLD A4       A   4A (J1 END)
E2          SHLD A5       A   5A (J1 END)
E2          SHLD A6       A   6A (J1 END)
E2          SHLD A15      A  15A (J1 END)
E2          SHLD A16      A  16A (J1 END)
E2          E38           A 320
E2          SHLD A393     A 393A (J10 END)
E2          SHLD A394     A 394A (J1 END)


        E3   SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E3          SHLD A17      A  17A (J1 END)
E3          SHLD A18      A  18A (J1 END)
E3          SHLD A27      A  27A (J1 END)
E3          SHLD A28      A  28A (J1 END)
E3          SHLD A29      A  29A (J1 END)
E3          SHLD A30      A  30A (J1 END)
E3          SHLD A31      A  31A (J1 END)
E3          E38           A 321
```

SIZE A | CODE IDENT NO. 99974 | 2900901
SCALE-NONE | REV LTR A | SHEET 16 OF 131

GMO RUNNING LIST 2900901 17

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E4 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E4	SHLD A35	A 35A	(J2 END)		
E4	SHLD A36	A 36A	(J2 END)		
E4	SHLD A37	A 37A	(J2 END)		
E4	SHLD A38	A 38A	(J2 END)		
E4	SHLD A39	A 39A	(J2 END)		
E4	SHLD A40	A 40A	(J2 END)		
E4	SHLD A41	A 41A	(J2 END)		
E4	E38	A 322			

E5 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E5	SHLD A42	A 42A	(J2 END)		
E5	SHLD A43	A 43A	(J2 END)		
E5	SHLD A44	A 44A	(J2 END)		
E5	SHLD A45	A 45A	(J2 END)		
E5	SHLD A46	A 46A	(J2 END)		
E5	SHLD A47	A 47A	(J2 END)		
E5	SHLD A48	A 48A	(J2 END)		
E5	E38	A 323			

E6 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E6	SHLD A49	A 49A	(J2 END)		
E6	SHLD A50	A 50A	(J2 END)		
E6	SHLD A51	A 51A	(J2 END)		
E6	SHLD A52	A 52A	(J2 END)		
E6	SHLD A53	A 53A	(J2 END)		
E6	SHLD A54	A 54A	(J2 END)		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR A	SHEET 17 OF 131	

MIL 2084 9-65

GMO RUNNING LIST 2900901 18

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

(CONT.) E6 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E6	E38	A 324			

E7 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E7	SHLD A55	A 55A	(J2 END)		
E7	SHLD A56	A 56A	(J2 END)		
E7	SHLD A57	A 57A	(J2 END)		
E7	SHLD A58	A 58A	(J2 END)		
E7	SHLD A59	A 59A	(J2 END)		
E7	SHLD A60	A 60A	(J2 END)		
E7	E38	A 325			

E8 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E8	SHLD A61	A 61A	(J3 END)		
E8	SHLD A62	A 62A	(J3 END)		
E8	SHLD A63	A 63A	(J3 END)		
E8	SHLD A64	A 64A	(J3 END)		
E8	SHLD A65	A 65A	(J3 END)		
E8	E39	A 326			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR A	SHEET 18 OF 131	

MIL 2084 9-65

GMC RUNNING LIST 2900901 19

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E9 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E9	SHLD A66	A 66A	(J3 END)		
E9	SHLD A67	A 67A	(J3 END)		
E9	SHLD A68	A 68A	(J3 END)		
E9	SHLD A69	A 69A	(J3 END)		
E9	SHLD A70	A 70A	(J3 END)		
E9	E39	A 327			

E10 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E10	SHLD A73	A 73A	(J3 END)		
E10	SHLD A74	A 74A	(J3 END)		
E10	SHLD A75	A 75A	(J3 END)		
E10	SHLD A76	A 76A	(J3 END)		
E10	SHLD A79	A 79A	(J3 END)		
E10	E39	A 328			

E11 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E11	SHLD A80	A 80A	(J3 END)		
E11	SHLD A81	A 81A	(J3 END)		
E11	SHLD A82	A 82A	(J3 END)		
E11	SHLD A83	A 83A	(J3 END)		
E11	SHLD A84	A 84A	(J3 END)		
E11	E39	A 329			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR A	SHEET 19 OF 131	

MIL 2084 9-65

GMC RUNNING LIST 2900901 20

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E12 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E12	SHLD A85	A 85A	(J3 END)		
E12	SHLD A86	A 86A	(J3 END)		
E12	SHLD A87	A 87A	(J3 END)		
E12	SHLD A88	A 88A	(J3 END)		
E12	SHLD A89	A 89A	(J3 END)		
E12	SHLD A90	A 90A	(J3 END)		
E12	E39	A 330			

E13 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E13	SHLD A91	A 91A	(J4 END)		
E13	SHLD A92	A 92A	(J4 END)		
E13	SHLD A93	A 93A	(J4 END)		
E13	SHLD A94	A 94A	(J4 END)		
E13	SHLD A95	A 95A	(J4 END)		
E13	SHLD A96	A 96A	(J4 END)		
E13	SHLD A97	A 97A	(J4 END)		
E13	E40	A 331			

E14 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

E14	SHLD A98	A 98A	(J4 END)		
E14	SHLD A99	A 99A	(J4 END)		
E14	SHLD A100	A 100A	(J4 END)		
E14	SHLD A103	A 103A	(J4 END)		
E14	SHLD A104	A 104A	(J4 END)		
E14	SHLD A105	A 105A	(J4 END)		
E14	E40	A 332			

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR A	SHEET 20 OF 131	

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E18 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E18	SHLD A127	A 127A (J5 END)
E18	SHLD A128	A 128A (J5 END)
E18	SHLD A129	A 129A (J5 END)
E18	SHLD A132	A 132A (J5 END)
E18	SHLD A133	A 133A (J5 END)
E18	SHLD A134	A 134A (J5 END)
E18	SHLD A135	A 135A (J5 END)
E18	E41	A 336

E19 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E19	SHLD A138	A 138A (J5 END)
E19	SHLD A139	A 139A (J5 END)
E19	SHLD A140	A 140A (J5 END)
E19	SHLD A141	A 141A (J5 END)
E19	SHLD A142	A 142A (J5 END)
E19	SHLD A143	A 143A (J5 END)
E19	E41	A 337

E20 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E20	SHLD A144	A 144A (J5 END)
E20	SHLD A145	A 145A (J5 END)
E20	SHLD A146	A 146A (J5 END)
E20	SHLD A147	A 147A (J5 END)
E20	SHLD A148	A 148A (J5 END)
E20	SHLD A149	A 149A (J5 END)
E20	E41	A 338

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E21 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E21	SHLD A150	A 150A (J6 END)
E21	SHLD A151	A 151A (J6 END)
E21	SHLD A152	A 152A (J6 END)
E21	SHLD A153	A 153A (J6 END)
E21	SHLD A154	A 154A (J6 END)
E21	E42	A 339

E22 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E22	SHLD A155	A 155A (J6 END)
E22	SHLD A156	A 156A (J6 END)
E22	SHLD A157	A 157A (J6 END)
E22	SHLD A158	A 158A (J6 END)
E22	SHLD A159	A 159A (J6 END)
E22	E42	A 340

E23 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E23	SHLD A162	A 162A (J6 END)
E23	SHLD A163	A 163A (J6 END)
E23	SHLD A164	A 164A (J6 END)
E23	SHLD A165	A 165A (J6 END)
E23	SHLD A168	A 168A (J6 END)
E23	E42	A 341

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E15 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E15	SHLD A106	A 106A (J4 END)
E15	SHLD A109	A 109A (J4 END)
E15	SHLD A110	A 110A (J4 END)
E15	SHLD A111	A 111A (J4 END)
E15	SHLD A112	A 112A (J4 END)
E15	SHLD A113	A 113A (J4 END)
E15	E40	A 333

E16 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E16	SHLD A114	A 114A (J4 END)
E16	SHLD A115	A 115A (J4 END)
E16	SHLD A116	A 116A (J4 END)
E16	SHLD A117	A 117A (J4 END)
E16	SHLD A118	A 118A (J4 END)
E16	SHLD A119	A 119A (J4 END)
E16	E40	A 334

E17 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E17	SHLD A120	A 120A (J5 END)
E17	SHLD A121	A 121A (J5 END)
E17	SHLD A122	A 122A (J5 END)
E17	SHLD A123	A 123A (J5 END)
E17	SHLD A124	A 124A (J5 END)
E17	SHLD A125	A 125A (J5 END)
E17	SHLD A126	A 126A (J5 END)
E17	E41	A 335

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

E24 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E24	SHLD A169	A 169A (J6 END)
E24	SHLD A170	A 170A (J6 END)
E24	SHLD A171	A 171A (J6 END)
E24	SHLD A172	A 172A (J6 END)
E24	SHLD A173	A 173A (J6 END)
E24	E42	A 342

E25 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E25	SHLD A174	A 174A (J6 END)
E25	SHLD A175	A 175A (J6 END)
E25	SHLD A176	A 176A (J6 END)
E25	SHLD A177	A 177A (J6 END)
E25	SHLD A178	A 178A (J6 END)
E25	SHLD A179	A 179A (J6 END)
E25	E42	A 343

E26 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO
E26	SHLD A180	A 180A (J7 END)
E26	SHLD A181	A 181A (J7 END)
E26	SHLD A182	A 182A (J7 END)
E26	SHLD A183	A 183A (J7 END)
E26	SHLD A184	A 184A (J7 END)
E26	SHLD A185	A 185A (J7 END)
E26	E43	A 344

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	E42	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E42	E21	A 339			
E42	E22	A 340			
E42	E23	A 341			
E42	E24	A 342			
E42	E25	A 343			
E42	E50	A 358			
	E43	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E43	E26	A 344			
E43	E27	A 345			
E43	E28	A 346			
E43	E29	A 347			
E43	E30	A 348			
E43	E50	A 359			
	E44	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E44	SHLD A227	A 227A (J1 END)			
E44	E31	A 349			
E44	E32	A 350			
E44	E33	A 351			
E44	E34	A 352			
E44	E49	A 360			
E44	SHLD A396	A 396A (J12 END)			
E44	E56	A 411			

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR ✓A	SHEET 30 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	E45	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E45	SHLD A217	A 217B (S7 END)			
E45	SHLD A223	A 223B (S7 END)			
E45	SHLD A232	A 232B (S7 END)			
E45	SHLD A239	A 239B (S7 END)			
E45	SHLD A240	A 240B (S7 END)			
E45	SHLD A304	A 304A (S7 END)			
E45	SHLD A305	A 305A (S8 END)			
E45	E49	A 361			
	E46	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E46	SHLD A235	A 235B (G2 END)			
E46	SHLD A236	A 236B (G2 END)			
E46	SHLD A237	A 237B (G1 END)			
E46	SHLD A238	A 238B (G1 END)			
E46	E49	A 362			
	E47	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E47	SHLD A211	A 211B (S3 END)			
E47	SHLD A218	A 218B (S6 END)			
E47	SHLD A228	A 228B (S3 END)			
E47	SHLD A231	A 231B (S6 END)			
E47	SHLD A299	A 299A (S6 END)			
E47	E49	A 363			

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR ✓A	SHEET 31 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	E39	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E39	E8	A 326			
E39	E9	A 327			
E39	E10	A 328			
E39	E11	A 329			
E39	E12	A 330			
E39	E50	A 355			
	E40	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E40	E13	A 331			
E40	E14	A 332			
E40	E15	A 333			
E40	E16	A 334			
E40	E50	A 356			
	E41	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E41	E17	A 335			
E41	E18	A 336			
E41	E19	A 337			
E41	E20	A 338			
E41	E50	A 357			

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR ✓A	SHEET 29 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
	E48	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E48	SHLD A222	A 222B (P9 END)			
E48	SHLD A281	A 281A (P9 END)			
E48	SHLD A282	A 282A (P9 END)			
E48	SHLD A283	A 283A (P9 END)			
E48	SHLD A284	A 284A (P9 END)			
E48	P10-10	A 353			
E48	E51	A 364			
	E49	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E49	E44	A 360			
E49	E45	A 361			
E49	E46	A 362			
E49	E47	A 363			
E49	E51	A 365			
	E50	SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2			
E50	E38	A 354			
E50	E39	A 355			
E50	E40	A 356			
E50	E41	A 357			
E50	E42	A 358			
E50	E43	A 359			
E50	E51	A 366			

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR ✓A	SHEET 32 OF 131

E54 SPLICE REDUCER P/N 1016006-002 +28 VDC FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E54	P10-66	A 381	+28 VDC		
E54	E52	A 382	+28 VDC		
E54	E53	A 383	+28 VDC		
E54	XF1- 1	A 384	+28 VDC		
E54	K25-18	A 404	+28 VDC		

E55 SPLICE REDUCER P/N 1016006-002 28 VDC LO FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E55	J1-T*	A 25	28 VDC LO		
E55	P10-65	A 385	28 VDC LO		
E55	XDS1-G	A 386	28 VDC LO		
E55	XDS2-G	A 387	28 VDC LO		
E55	XDS3-G	A 388	28 VDC LO		
E55	XDS4-G	A 389	28 VDC LO		
E55	XDS5-G	A 390	28 VDC LO		
E55	XDS6-G	A 391	28 VDC LO		
E55	J10-L	A 407	28 VDC LO		

E56 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG. 2.

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E56	SHLD A395	A 395A	(J9 END)		
E56	SHLD A397	A 397A	(K25 END)		
E56	SHLD A398	A 398A	(J1 END)		
E56	SHLD A399	A 399A	(J1 END)		
E56	SHLD A408	A 408A	(J1 END)		
E56	SHLD A409	A 409A	(J1 END)		
E56	E44	A 411			

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 34 OF 131

G1 PHASE GENERATOR 800 CPS P/N 1015820 FIG 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
G1- 1	S6SW1-C	A 299R	800 CPS TO PH GEN - HI		
G1- 2	J13-U	A 238R	PH GEN 90 DEGREE OUPT - HI		
G1- 3	J13-H	A 237W	PH GEN VAR OUPT - HI		
G1- 4	J13-J	A 238L	PH GEN OUPT - COMM		
G1- 5	S6SW2-C	A 299L	800 CPS TO PH GEN - LO		
G1- 6	G2- 6	A 319	PH GEN CHASSIS GND		

G2 PHASE GENERATOR 3.2 KC P/N 1015821 FIG 3

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
G2- 1	P9- 4	A 283R	3.2 KC TO PH GEN - HI		
G2- 2	J13-S	A 236R	PH GEN 90 DEGREE OUPT - HI		
G2- 3	J13-E	A 235W	PH GEN VAR OUPT - HI		
G2- 4	J13-F	A 236L	PH GEN OUPT - COMM		
G2- 5	P9- 3	A 283L	3.2 KC TO PH GEN - LO		
G2- 6	E1	A 318	CHASSIS GND		
G2- 6	G1- 6	A 319	PH GEN CHASSIS GND		

J1 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-A	E1	A 1	CHASSIS GND		
J1-A*	T4-3	A 398R	800 CPS XFMR OUPT MON - HI		
J1-AA	T2- 4	A 29R	REF OUPT TO SCOPE B - HI		
J1-B	K25-6	A 210L	800 CPS 0 DEGREE ISS BUFFER INPUT LO		
J1-B*	S7- 6A	A 15R	800 CPS OPT 0 DEGREE GSE - HI		
J1-BB	T2- 5	A 29L	REF OUPT TO SCOPE B - LO		
J1-C	K25-11	A 210R	800 CPS 0 DEGREE ISS BUFFER INPUT HI		
J1-C*	S7- 6B	A 15L	800 CPS OPT 0 DEGREE GSE - LO		
J1-CC	K25-20	A 402	SERIES 100 STATUS TCL		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 35 OF 131

E51 SPLICE REDUCER P/N 1016006-002 SHIELD GROUND FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E51	J1-Q*	A 22			
E51	SHLD A210	A 210A	(J1 END)		
E51	E48	A 364			
E51	E49	A 365			
E51	E50	A 366			

E52 SPLICE REDUCER P/N 1016006-002 +28 VDC FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E52	P1-34	A 367	+28 VDC		
E52	P2-34	A 368	+28 VDC		
E52	P3-34	A 369	+28 VDC		
E52	P5-34	A 370	+28 VDC		
E52	P6-34	A 371	+28 VDC		
E52	P7-34	A 372	+28 VDC		
E52	P8-34	A 373	+28 VDC		
E52	E54	A 382	+28 VDC		

E53 SPLICE REDUCER P/N 1016006-002 +28 VDC FIG 2

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
E53	P4-34	A 374	+28 VDC		
E53	S1SW1-C	A 375	+28 VDC		
E53	S2SW1-C	A 376	+28 VDC		
E53	S3SW3-C	A 377	+28 VDC		
E53	S4SW1-C	A 378	+28 VDC		
E53	S5SW1-C	A 379	+28 VDC		
E53	S6SW3-C	A 380	+28 VDC		
E53	E54	A 383	+28 VDC		

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A	99974	2900901
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(CONT.) J1 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-D	K25-7	A 227L	800 CPS 0 DEGREE OPT BUFFER INPUT LO		
J1-D*	J11-P	A 16R	800 CPS OPT 90 DEGREE GSE - HI		
J1-DD	S7-10B	A 30L	REF AUX INPUT FOR SCOPE B - LO		
J1-E	K25-5	A 227R	800 CPS 0 DEGREE OPT BUFFER INPUT HI		
J1-E*	J11-R	A 16L	800 CPS OPT 90 DEGREE GSE - LO		
J1-EE	S7-10A	A 30R	REF AUX INPUT FOR SCOPE B - HI		
J1-F	K25-17	A 4L	3.2 KC ISS A/B - LO		
J1-F*	S7- 3A	A 17R	800 CPS VAR PH - HI		
J1-FF	S8-10B	A 31L	AUX INPUT TO SCOPE B2 - LO		
J1-G	K25-14	A 4R	3.2 KC ISS A/B - HI		
J1-G*	S7- 3B	A 17L	800 CPS VAR PH - LO		
J1-GG	S8-10A	A 31R	AUX INPUT TO SCOPE B2 - HI		
J1-H	S7- 2A	A 5R	800 CPS ISS 0 DEGREE GSE - HI		
J1-H*	S7- 4A	A 18R	3.2 KC ISS GSE - HI		
J1-HH	E35	A 33	+30 VDC		
J1-I*	T3-3	A 409R	3.2 KC 2V REF TO TCL - HI		
J1-J	S7- 2B	A 5L	800 CPS ISS 0 DEGREE GSE - LO		
J1-J*	S7- 4B	A 18L	3.2 KC ISS GSE - LO		
J1-JJ	E36	A 32	30 VDC COMM		
J1-K	J8-P	A 6R	800 CPS ISS 90 DEGREE GSE - HI		
J1-K*	T3-4	A 409L	3.2 KC 2V REF TO TCL - LO		
J1-KK	E37	A 34	-30 VDC		
J1-L	J8-R	A 6L	800 CPS ISS 90 DEGREE GSE - LO		
J1-LL	J10-E	A 405	BLK 1 SERIES 100 INDICATION		
J1-M	K25-12	A 394R	3.2 KC 2V 0.2 PERCENT CAL OUPT - HI		
J1-M*	S1SW1-NO	A 19	CH 3 AC/DC CONT		
J1-MM	J10-F	A 406	NOT BLK 1 SERIES 100 INDICATION		
J1-N	K25-15	A 394L	3.2 KC 2V 0.2 PERCENT CAL OUPT - LO		
J1-N*	S2SW1-NO	A 20	CH 4 AC/DC CONT		
J1-NN	K25-2	A 400	GSE REF. PWR. GND.		
J1-P	P10-54	A 7	CH 1 DC INTLK		
J1-P*	S4SW1-NO	A 21	CH 5 AC/DC CONT		

SIZE	CODE IDENT NO.	
A	99974	2900901
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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J1			CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4		
J1-PP	K25-1	A 401	+28 VDC RLP HI		
J1-Q*	E51	A 22	SHLD GROUND		
J1-R	P10-43	A 8	CH 2 DC INTLK		
J1-R*	S5SW1-NO	A 23	CH 6 AC/DC CONT		
J1-S	P10-32	A 9	CH 3 DC INTLK		
J1-S*	XF1- 2	A 24	+28 VDC		
J1-T	P10-21	A 10	CH 4 DC INTLK		
J1-T*	E55	A 25	28 VDC LO		
J1-U	P9-44	A 11	CH 5 DC INTLK		
J1-U*	P1-35	A 26	CH 1 POS 1 REF CONT		
J1-V	P9-33	A 12	CH 6 DC INTLK		
J1-V*	T4-4	A 398L	800 CPS XFMR OUPT MON - LO		
J1-W	P9-22	A 13	CH 7 DC INTLK		
J1-W*	S7- 5A	A 27R	3.2 KC VAR GSE - HI		
J1-X	P9-11	A 14	CH 8 DC INTLK		
J1-X*	S7- 5B	A 27L	3.2 KC VAR GSE - LO		
J1-Y	T4-1	A 399R	800 CPS FROM SIG. GEN. - HI		
J1-Y*	T1- 4	A 28R	OUPT TO SCOPE B2 - HI		
J1-Z	T4-2	A 399L	800 CPS FROM SIG. GEN. - LO		
J1-Z*	T1- 5	A 28L	OUPT TO SCOPE B2 - LO		
J1(A1J1)			CHANNEL 1, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1-1	S1C-16A	AA 25	CH 1 POS 15 HI - AC		
J1-2	S1C-14A	AA 23	CH 1 POS 13 HI - AC		
J1-3	S1C-13A	AA 21	CH 1 POS 12 HI - AC		
J1-4	S1C-12A	AA 19	CH 1 POS 11 HI - AC		
J1-5	S1C-11A	AA 17	CH 1 POS 10 HI - AC		
J1-6	S1C-9A	AA 15	CH 1 POS 8 HI - AC		
J1-7	S1C-12B	AA 20	CH 1 POS 11 LO - AC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 37 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J1(A1J1)			CHANNEL 1, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1-8	S1C-13B	AA 22	CH 1 POS 12 LO - AC		
J1-9	S1C-14B	AA 24	CH 1 POS 13 LO - AC		
J1-10	S1C-16B	AA 26	CH 1 POS 15 LO - AC		
J1-12	S1C-17A	AA 27	CH 1 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	AA 45	CH 1 SPARE NO FUNCTION		
J1-14	S1B-10A	AA 43	CH 1 SPARE NO FUNCTION		
J1-16	S1C-17B	AA 28	CH 1 WIPER OUPT TO SCOPE B LO		
J1-17	S1C-9B	AA 16	CH 1 POS 8 LO - AC		
J1-18	S1C-11B	AA 18	CH 1 POS 10 LO - AC		
J1-19	S1B-15B	AA 48	CH 1 SPARE NO FUNCTION		
J1-20	S1B-16B	AA 50	CH 1 SPARE NO FUNCTION		
J1-22	S1B-17A	AA 51	CH 1 SWITCH DC - HI TO INTLK RELAY NOT USED		
J1-23	S1B-16A	AA 49	CH 1 SPARE NO FUNCTION		
J1-24	S1B-15A	AA 47	CH 1 SPARE NO FUNCTION		
J1-26	S1A-17B	AA 58	CH 1 +28 VDC OPT REF CONT		
J1-27	S1A-16A	AA 60	CH 1 AUX ISS REF CONT		
J1-28	S1B-17B	AA 52	CH 1 SW DC - LO TO INTLK RELAY NOT USED		
J1-29	S1B-10B	AA 44	CH 1 SPARE NO FUNCTION		
J1-30	S1B-12B	AA 46	CH 1 SPARE NO FUNCTION		
J1-32	S1A-17A	AA 57	CH 1 +28 VDC ISS REF CONT		
J1-33	S1A-16B	AA 61	CH 1 AUX OPT REF CONT		
J1-34	S1A-14B	AA 53	CH 1 +28 VDC HI		
J1-35	S1A-2A	AA 59	CH 1 POS 1 REF CONT		
J1-36	S1B-8B	AA 42	CH 1 SPARE NO FUNCTION		
J1-37	S1B-7B	AA 40	CH 1 SPARE NO FUNCTION		
J1-38	S1B-6B	AA 38	CH 1 SPARE NO FUNCTION		
J1-39	S1B-5B	AA 36	CH 1 SPARE NO FUNCTION		
J1-40	S1B-4B	AA 34	CH 1 SPARE NO FUNCTION		
J1-41	S1B-3B	AA 32	CH 1 SPARE NO FUNCTION		
J1-42	S1B-2B	AA 30	CH 1 SPARE NO FUNCTION		
J1-44	S1B-2A	AA 29	CH 1 SPARE NO FUNCTION		
J1-45	S1B-3A	AA 31	CH 1 SPARE NO FUNCTION		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 38 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J1(A1J1)			CHANNEL 1, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1-46	S1B-4A	AA 33	CH 1 SPARE NO FUNCTION		
J1-47	S1B-5A	AA 35	CH 1 SPARE NO FUNCTION		
J1-48	S1B-6A	AA 37	CH 1 SPARE NO FUNCTION		
J1-49	S1B-7A	AA 39	CH 1 SPARE NO FUNCTION		
J1-50	S1B-8A	AA 41	CH 1 SPARE NO FUNCTION		
J1-52	S1C-8B	AA 14	CH 1 POS 7 LO - AC		
J1-53	S1C-7B	AA 12	CH 1 POS 6 LO - AC		
J1-54	S1C-6B	AA 10	CH 1 POS 5 LO - AC		
J1-55	S1C-5B	AA 8	CH 1 POS 4 LO - AC		
J1-56	S1C-4B	AA 6	CH 1 POS 3 LO - AC		
J1-57	S1C-3B	AA 4	CH 1 POS 2 LO - AC		
J1-58	S1C-2B	AA 2	CH 1 POS 1 LO - AC		
J1-60	S1C-2A	AA 1	CH 1 POS 1 HI - AC		
J1-61	S1C-3A	AA 3	CH 1 POS 2 HI - AC		
J1-62	S1C-4A	AA 5	CH 1 POS 3 HI - AC		
J1-63	S1C-5A	AA 7	CH 1 POS 4 HI - AC		
J1-64	S1C-6A	AA 9	CH 1 POS 5 HI - AC		
J1-65	S1C-7A	AA 11	CH 1 POS 6 HI - AC		
J1-66	S1C-8A	AA 13	CH 1 POS 7 HI - AC		
J1(A2J1)			CHANNEL 2, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1- 1	S1C-16A	BB 25	CH 2 POS 15 HI - AC		
J1- 2	S1C-14A	BB 23	CH 2 POS 13 HI - AC		
J1- 3	S1C-13A	BB 21	CH 2 POS 12 HI - AC		
J1- 4	S1C-12A	BB 19	CH 2 POS 11 HI - AC		
J1- 5	S1C-11A	BB 17	CH 2 POS 10 HI - AC		
J1- 6	S1C- 9A	BB 15	CH 2 POS 8 HI - AC		
J1- 7	S1C-12B	BB 20	CH 2 POS 11 LO - AC		
J1- 8	S1C-13B	BB 22	CH 2 POS 12 LO - AC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 39 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J1(A2J1)			CHANNEL 2, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1- 9	S1C-14B	BB 24	CH 2 POS 13 LO - AC		
J1-10	S1C-16B	BB 26	CH 2 POS 15 LO - AC		
J1-12	S1C-17A	BB 27	CH 2 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	BB 45	CH 2 SPARE NO FUNCTION		
J1-14	S1B-10A	BB 43	CH 2 SPARE NO FUNCTION		
J1-16	S1C-17B	BB 28	CH 2 WIPER OUPT TO SCOPE B LO		
J1-17	S1C- 9B	BB 16	CH 2 POS 8 LO - AC		
J1-18	S1C-11B	BB 18	CH 2 POS 10 LO - AC		
J1-19	S1B-15B	BB 48	CH 2 SPARE NO FUNCTION		
J1-20	S1B-16B	BB 50	CH 2 SPARE NO FUNCTION		
J1-22	S1B-17A	BB 51	CH 2 SWITCH DC - HI TO INTLK RELAY NOT USED		
J1-23	S1B-16A	BB 49	CH 2 SPARE NO FUNCTION		
J1-24	S1B-15A	BB 47	CH 2 SPARE NO FUNCTION		
J1-26	S1A-17B	BB 59	CH 2 +28 VDC OPT REF CONT		
J1-27	S1A-16A	BB 60	CH 2 AUX ISS REF CONT		
J1-28	S1B-17B	BB 52	CH 2 SW DC - LO TO INTLK RELAY NOT USED		
J1-29	S1B-10B	BB 44	CH 2 SPARE NO FUNCTION		
J1-30	S1B-12B	BB 46	CH 2 SPARE NO FUNCTION		
J1-32	S1A-17A	BB 58	CH 2 +28 VDC ISS REF CONT		
J1-33	S1A-16B	BB 61	CH 2 AUX OPT REF CONT		
J1-34	S1A-14B	BB 53	CH 2 +28 VDC HI		
J1-36	S1B- 8B	BB 42	CH 2 SPARE NO FUNCTION		
J1-37	S1B- 7B	BB 40	CH 2 SPARE NO FUNCTION		
J1-38	S1B- 6B	BB 38	CH 2 SPARE NO FUNCTION		
J1-39	S1B- 5B	BB 36	CH 2 SPARE NO FUNCTION		
J1-40	S1B- 4B	BB 34	CH 2 SPARE NO FUNCTION		
J1-41	S1B- 3B	BB 32	CH 2 SPARE NO FUNCTION		
J1-42	S1B- 2B	BB 30	CH 2 SPARE NO FUNCTION		
J1-44	S1B- 2A	BB 29	CH 2 SPARE NO FUNCTION		
J1-45	S1B- 3A	BB 31	CH 2 SPARE NO FUNCTION		
J1-46	S1B- 4A	BB 33	CH 2 SPARE NO FUNCTION		
J1-47	S1B- 5A	BB 35	CH 2 SPARE NO FUNCTION		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 40 OF 131

(CONT.) J1(A3J1) CHANNEL 3, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-12	S1C-17A	CC 27	CH 3 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	CC 45	CH 3 POS 11 HI - DC		
J1-14	S1B-10A	CC 43	CH 3 POS 9 HI - DC		
J1-16	S1C-17B	CC 28	CH 3 WIPER OUPT TO SCOPE B LO		
J1-17	S1C-9B	CC 16	CH 3 POS 8 LO - AC		
J1-18	S1C-11B	CC 18	CH 3 POS 10 LO - AC		
J1-19	S1B-15B	CC 48	CH 3 POS 14 LO - DC		
J1-20	S1B-16B	CC 50	CH 3 POS 15 LO - DC		
J1-22	S1B-17A	CC 51	CH 3 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	CC 49	CH 3 POS 15 HI - DC		
J1-24	S1B-15A	CC 47	CH 3 POS 14 HI - DC		
J1-26	S1A-17B	CC 59	CH 3 +28 VDC OPT REF CONT		
J1-27	S1A-16A	CC 60	CH 3 AUX ISS REF CONT		
J1-28	S1B-17B	CC 52	CH 3 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	CC 44	CH 3 POS 9 LO - DC		
J1-30	S1B-12B	CC 46	CH 3 POS 11 LO - DC		
J1-32	S1A-17A	CC 58	CH 3 +28 VDC ISS REF CONT		
J1-33	S1A-16B	CC 61	CH 3 AUX OPT REF CONT		
J1-34	S1A-14B	CC 53	CH 3 +28 VDC HI		
J1-36	S1B-8B	CC 42	CH 3 POS 7 LO - DC		
J1-37	S1B-7B	CC 40	CH 3 POS 6 LO - DC		
J1-38	S1B-6B	CC 38	CH 3 POS 5 LO - DC		
J1-39	S1B-5B	CC 36	CH 3 POS 4 LO - DC		
J1-40	S1B-4B	CC 34	CH 3 POS 3 LO - DC		
J1-41	S1B-3B	CC 32	CH 3 POS 2 LO - DC		
J1-42	S1B-2B	CC 30	CH 3 POS 1 LO - DC		
J1-44	S1B-2A	CC 29	CH 3 POS 1 HI - DC		
J1-45	S1B-3A	CC 31	CH 3 POS 2 HI - DC		
J1-46	S1B-4A	CC 33	CH 3 POS 3 HI - DC		
J1-47	S1B-5A	CC 35	CH 3 POS 4 HI - DC		
J1-48	S1B-6A	CC 37	CH 3 POS 5 HI - DC		
J1-49	S1B-7A	CC 39	CH 3 POS 6 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 42 OF 131

(CONT.) J1(A3J1) CHANNEL 3, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-50	S1B-8A	CC 41	CH 3 POS 7 HI - DC		
J1-52	S1C-8B	CC 14	CH 3 POS 7 LO - AC		
J1-53	S1C-7B	CC 12	CH 3 POS 6 LO - AC		
J1-54	S1C-6B	CC 10	CH 3 POS 5 LO - AC		
J1-55	S1C-5B	CC 8	CH 3 POS 4 LO - AC		
J1-56	S1C-4B	CC 6	CH 3 POS 3 LO - AC		
J1-57	S1C-3B	CC 4	CH 3 POS 2 LO - AC		
J1-58	S1C-2B	CC 2	CH 3 POS 1 LO - AC		
J1-60	S1C-2A	CC 1	CH 3 POS 1 HI - AC		
J1-61	S1C-3A	CC 3	CH 3 POS 2 HI - AC		
J1-62	S1C-4A	CC 5	CH 3 POS 3 HI - AC		
J1-63	S1C-5A	CC 7	CH 3 POS 4 HI - AC		
J1-64	S1C-6A	CC 9	CH 3 POS 5 HI - AC		
J1-65	S1C-7A	CC 11	CH 3 POS 6 HI - AC		
J1-66	S1C-8A	CC 13	CH 3 POS 7 HI - AC		

J1(A4J1) CHANNEL 4, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-1	S1C-16A	DD 25	CH 4 POS 15 HI - AC		
J1-2	S1C-14A	DD 23	CH 4 POS 13 HI - AC		
J1-3	S1C-13A	DD 21	CH 4 POS 12 HI - AC		
J1-4	S1C-12A	DD 19	CH 4 POS 11 HI - AC		
J1-5	S1C-11A	DD 17	CH 4 POS 10 HI - AC		
J1-6	S1C-9A	DD 15	CH 4 POS 8 HI - AC		
J1-7	S1C-12B	DD 20	CH 4 POS 11 LO - AC		
J1-8	S1C-13B	DD 22	CH 4 POS 12 LO - AC		
J1-9	S1C-14B	DD 24	CH 4 POS 13 LO - AC		
J1-10	S1C-16B	DD 26	CH 4 POS 15 LO - AC		
J1-12	S1C-17A	DD 27	CH 4 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	DD 45	CH 4 POS 11 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 43 OF 131

(CONT.) J1(A2J1) CHANNEL 2, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-48	S1B- 6A	BB 37	CH 2 SPARE NO FUNCTION		
J1-49	S1B- 7A	BB 39	CH 2 SPARE NO FUNCTION		
J1-50	S1B- 8A	BB 41	CH 2 SPARE NO FUNCTION		
J1-52	S1C- 8B	BB 14	CH 2 POS 7 LO - AC		
J1-53	S1C- 7B	BB 12	CH 2 POS 6 LO - AC		
J1-54	S1C- 6B	BB 10	CH 2 POS 5 LO - AC		
J1-55	S1C- 5B	BB 8	CH 2 POS 4 LO - AC		
J1-56	S1C- 4B	BB 6	CH 2 POS 3 LO - AC		
J1-57	S1C- 3B	BB 4	CH 2 POS 2 LO - AC		
J1-58	S1C- 2B	BB 2	CH 2 POS 1 LO - AC		
J1-60	S1C- 2A	BB 1	CH 2 POS 1 HI - AC		
J1-61	S1C- 3A	BB 3	CH 2 POS 2 HI - AC		
J1-62	S1C- 4A	BB 5	CH 2 POS 3 HI - AC		
J1-63	S1C- 5A	BB 7	CH 2 POS 4 HI - AC		
J1-64	S1C- 6A	BB 9	CH 2 POS 5 HI - AC		
J1-65	S1C- 7A	BB 11	CH 2 POS 6 HI - AC		
J1-66	S1C- 8A	BB 13	CH 2 POS 7 HI - AC		

J1(A3J1) CHANNEL 3, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-1	S1C-16A	CC 25	CH 3 POS 15 HI - AC		
J1-2	S1C-14A	CC 23	CH 3 POS 13 HI - AC		
J1-3	S1C-13A	CC 21	CH 3 POS 12 HI - AC		
J1-4	S1C-12A	CC 19	CH 3 POS 11 HI - AC		
J1-5	S1C-11A	CC 17	CH 3 POS 10 HI - AC		
J1-6	S1C-9A	CC 15	CH 3 POS 8 HI - AC		
J1-7	S1C-12B	CC 20	CH 3 POS 11 LO - AC		
J1-8	S1C-13B	CC 22	CH 3 POS 12 LO - AC		
J1-9	S1C-14B	CC 24	CH 3 POS 13 LO - AC		
J1-10	S1C-16B	CC 26	CH 3 POS 15 LO - AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 41 OF 131

(CONT.) J1(A4J1) CHANNEL 4, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-14	S1B-10A	DD 43	CH 4 POS 9 HI - DC		
J1-16	S1C-17B	DD 28	CH 4 WIPER OUPT TO SCOPE B LO		
J1-17	S1C-9B	DD 16	CH 4 POS 8 LO - AC		
J1-18	S1C-11B	DD 18	CH 4 POS 10 LO - AC		
J1-19	S1B-15B	DD 48	CH 4 POS 14 LO - DC		
J1-20	S1B-16B	DD 50	CH 4 POS 15 LO - DC		
J1-22	S1B-17A	DD 51	CH 4 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	DD 49	CH 4 POS 15 HI - DC		
J1-24	S1B-15A	DD 47	CH 4 POS 14 HI - DC		
J1-26	S1A-17B	DD 59	CH 4 +28 VDC OPT REF CONT		
J1-27	S1A-16A	DD 60	CH 4 AUX ISS REF CONT		
J1-28	S1B-17B	DD 52	CH 4 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	DD 44	CH 4 POS 9 LO - DC		
J1-30	S1B-12B	DD 46	CH 4 POS 11 LO - DC		
J1-32	S1A-17A	DD 58	CH 4 +28 VDC ISS REF CONT		
J1-33	S1A-16B	DD 61	CH 4 AUX OPT REF CONT		
J1-34	S1A-14B	DD 53	CH 4 +28 VDC HI		
J1-36	S1B-8B	DD 42	CH 4 POS 7 LO - DC		
J1-37	S1B-7B	DD 40	CH 4 POS 6 LO - DC		
J1-38	S1B-6B	DD 38	CH 4 POS 5 LO - DC		
J1-39	S1B-5B	DD 36	CH 4 POS 4 LO - DC		
J1-40	S1B-4B	DD 34	CH 4 POS 3 LO - DC		
J1-41	S1B-3B	DD 32	CH 4 POS 2 LO - DC		
J1-42	S1B-2B	DD 30	CH 4 POS 1 LO - DC		
J1-44	S1B-2A	DD 29	CH 4 POS 1 HI - DC		
J1-45	S1B-3A	DD 31	CH 4 POS 2 HI - DC		
J1-46	S1B-4A	DD 33	CH 4 POS 3 HI - DC		
J1-47	S1B-5A	DD 35	CH 4 POS 4 HI - DC		
J1-48	S1B-6A	DD 37	CH 4 POS 5 HI - DC		
J1-49	S1B-7A	DD 39	CH 4 POS 6 HI - DC		
J1-50	S1B-8A	DD 41	CH 4 POS 7 HI - DC		
J1-52	S1C-8B	DD 14	CH 4 POS 7 LO - AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 44 OF 131

(CONT.) J1(A5J1) CHANNEL 5, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-17	S1C-9B	EE 16	CH 5 POS 8 LO - AC		
J1-18	S1C-11B	EE 18	CH 5 POS 10 LO - AC		
J1-19	S1B-15B	EE 48	CH 5 POS 14 LO - DC		
J1-20	S1B-16B	EE 50	CH 5 POS 15 LO - DC		
J1-22	S1B-17A	EE 51	CH 5 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	EE 49	CH 5 POS 15 HI - DC		
J1-24	S1B-15A	EE 47	CH 5 POS 14 HI - DC		
J1-26	S1A-17B	EE 58	CH 5 +28 VDC OPT REF CONT		
J1-27	S1A-16A	EE 59	CH 5 AUX ISS REF CONT		
J1-28	S1B-17B	EE 52	CH 5 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	EE 44	CH 5 POS 9 LO - DC		
J1-30	S1B-12B	EE 46	CH 5 POS 11 LO - DC		
J1-32	S1A-17A	EE 57	CH 5 +28 VDC ISS REF CONT		
J1-33	S1A-16B	EE 60	CH 5 AUX OPT REF CONT		
J1-34	S1A-14B	EE 53	CH 5 +28 VDC HI		
J1-36	S1B-8B	EE 42	CH 5 POS 7 LO - DC		
J1-37	S1B-7B	EE 40	CH 5 POS 6 LO - DC		
J1-38	S1B-6B	EE 38	CH 5 POS 5 LO - DC		
J1-39	S1B-5B	EE 36	CH 5 POS 4 LO - DC		
J1-40	S1B-4B	EE 34	CH 5 POS 3 LO - DC		
J1-41	S1B-3B	EE 32	CH 5 POS 2 LO - DC		
J1-42	S1B-2B	EE 30	CH 5 POS 1 LO - DC		
J1-44	S1B-2A	EE 29	CH 5 POS 1 HI - DC		
J1-45	S1B-3A	EE 31	CH 5 POS 2 HI - DC		
J1-46	S1B-4A	EE 33	CH 5 POS 3 HI - DC		
J1-47	S1B-5A	EE 35	CH 5 POS 4 HI - DC		
J1-48	S1B-6A	EE 37	CH 5 POS 5 HI - DC		
J1-49	S1B-7A	EE 39	CH 5 POS 6 HI - DC		
J1-50	S1B-8A	EE 41	CH 5 POS 7 HI - DC		
J1-52	S1C-8B	EE 14	CH 5 POS 7 LO - AC		
J1-53	S1C-7B	EE 12	CH 5 POS 6 LO - AC		
J1-54	S1C-6B	EE 10	CH 5 POS 5 LO - AC		

(CONT.) J1(A5J1) CHANNEL 5, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-55	S1C-5B	EE 8	CH 5 POS 4 LO - AC		
J1-56	S1C-4B	EE 6	CH 5 POS 3 LO - AC		
J1-57	S1C-3B	EE 4	CH 5 POS 2 LO - AC		
J1-58	S1C-2B	EE 2	CH 5 POS 1 LO - AC		
J1-60	S1C-2A	EE 1	CH 5 POS 1 HI - AC		
J1-61	S1C-3A	EE 3	CH 5 POS 2 HI - AC		
J1-62	S1C-4A	EE 5	CH 5 POS 3 HI - AC		
J1-63	S1C-5A	EE 7	CH 5 POS 4 HI - AC		
J1-64	S1C-6A	EE 9	CH 5 POS 5 HI - AC		
J1-65	S1C-7A	EE 11	CH 5 POS 6 HI - AC		
J1-66	S1C-8A	EE 13	CH 5 POS 7 HI - AC		

J1(A6J1) CHANNEL 6, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-1	S1C-16A	FF 25	CH 6 POS 15 HI - AC		
J1-2	S1C-14A	FF 23	CH 6 POS 13 HI - AC		
J1-3	S1C-13A	FF 21	CH 6 POS 12 HI - AC		
J1-4	S1C-12A	FF 19	CH 6 POS 11 HI - AC		
J1-5	S1C-11A	FF 17	CH 6 POS 10 HI - AC		
J1-6	S1C-9A	FF 15	CH 6 POS 8 HI - AC		
J1-7	S1C-12B	FF 20	CH 6 POS 11 LO - AC		
J1-8	S1C-13B	FF 22	CH 6 POS 12 LO - AC		
J1-9	S1C-14B	FF 24	CH 6 POS 13 LO - AC		
J1-10	S1C-16B	FF 26	CH 6 POS 15 LO - AC		
J1-12	S1C-17A	FF 27	CH 6 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	FF 45	CH 6 POS 11 HI - DC		
J1-14	S1B-10A	FF 43	CH 6 POS 9 HI - DC		
J1-16	S1C-17B	FF 28	CH 6 WIPER OUPT TO SCOPE B LO		
J1-17	S1C-9B	FF 16	CH 6 POS 8 LO - AC		
J1-18	S1C-11B	FF 18	CH 6 POS 10 LO - AC		

(CONT.) J1(A4J1) CHANNEL 4, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-53	S1C-7B	DD 12	CH 4 POS 6 LO - AC		
J1-54	S1C-6B	DD 10	CH 4 POS 5 LO - AC		
J1-55	S1C-5B	DD 8	CH 4 POS 4 LO - AC		
J1-56	S1C-4B	DD 6	CH 4 POS 3 LO - AC		
J1-57	S1C-3B	DD 4	CH 4 POS 2 LO - AC		
J1-58	S1C-2B	DD 2	CH 4 POS 1 LO - AC		
J1-60	S1C-2A	DD 1	CH 4 POS 1 HI - AC		
J1-61	S1C-3A	DD 3	CH 4 POS 2 HI - AC		
J1-62	S1C-4A	DD 5	CH 4 POS 3 HI - AC		
J1-63	S1C-5A	DD 7	CH 4 POS 4 HI - AC		
J1-64	S1C-6A	DD 9	CH 4 POS 5 HI - AC		
J1-65	S1C-7A	DD 11	CH 4 POS 6 HI - AC		
J1-66	S1C-8A	DD 13	CH 4 POS 7 HI - AC		

J1(A5J1) CHANNEL 5, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-1	S1C-16A	EE 25	CH 5 POS 15 HI - AC		
J1-2	S1C-14A	EE 23	CH 5 POS 13 HI - AC		
J1-3	S1C-13A	EE 21	CH 5 POS 12 HI - AC		
J1-4	S1C-12A	EE 19	CH 5 POS 11 HI - AC		
J1-5	S1C-11A	EE 17	CH 5 POS 10 HI - AC		
J1-6	S1C-9A	EE 15	CH 5 POS 8 HI - AC		
J1-7	S1C-12B	EE 20	CH 5 POS 11 LO - AC		
J1-8	S1C-13B	EE 22	CH 5 POS 12 LO - AC		
J1-9	S1C-14B	EE 24	CH 5 POS 13 LO - AC		
J1-10	S1C-16B	EE 26	CH 5 POS 15 LO - AC		
J1-12	S1C-17A	EE 27	CH 5 WIPER OUPT TO SCOPE B HI		
J1-13	S1B-12A	EE 45	CH 5 POS 11 HI - DC		
J1-14	S1B-10A	EE 43	CH 5 POS 9 HI - DC		
J1-16	S1C-17B	EE 28	CH 5 WIPER OUPT TO SCOPE B LO		

(CONT.) J1(A6J1) CHANNEL 6, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-19	S1B-15B	FF 48	CH 6 POS 14 LO - DC		
J1-20	S1B-16B	FF 50	CH 6 POS 15 LO - DC		
J1-22	S1B-17A	FF 51	CH 6 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	FF 49	CH 6 POS 15 HI - DC		
J1-24	S1B-15A	FF 47	CH 6 POS 14 HI - DC		
J1-26	S1A-17B	FF 57	CH 6 +28 VDC OPT REF CONT		
J1-27	S1A-16A	FF 58	CH 6 AUX ISS REF CONT		
J1-28	S1B-17B	FF 52	CH 6 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	FF 44	CH 6 POS 9 LO - DC		
J1-30	S1B-12B	FF 46	CH 6 POS 11 LO - DC		
J1-32	S1A-17A	FF 56	CH 6 +28 VDC ISS REF CONT		
J1-33	S1A-16B	FF 59	CH 6 AUX OPT REF CONT		
J1-34	S1A-14B	FF 53	CH 6 +28 VDC HI		
J1-36	S1B-8B	FF 42	CH 6 POS 7 LO - DC		
J1-37	S1B-7B	FF 40	CH 6 POS 6 LO - DC		
J1-38	S1B-6B	FF 38	CH 6 POS 5 LO - DC		
J1-39	S1B-5B	FF 36	CH 6 POS 4 LO - DC		
J1-40	S1B-4B	FF 34	CH 6 POS 3 LO - DC		
J1-41	S1B-3B	FF 32	CH 6 POS 2 LO - DC		
J1-42	S1B-2B	FF 30	CH 6 POS 1 LO - DC		
J1-44	S1B-2A	FF 29	CH 6 POS 1 HI - DC		
J1-45	S1B-3A	FF 31	CH 6 POS 2 HI - DC		
J1-46	S1B-4A	FF 33	CH 6 POS 3 HI - DC		
J1-47	S1B-5A	FF 35	CH 6 POS 4 HI - DC		
J1-48	S1B-6A	FF 37	CH 6 POS 5 HI - DC		
J1-49	S1B-7A	FF 39	CH 6 POS 6 HI - DC		
J1-50	S1B-8A	FF 41	CH 6 POS 7 HI - DC		
J1-52	S1C-8B	FF 14	CH 6 POS 7 LO - AC		
J1-53	S1C-7B	FF 12	CH 6 POS 6 LO - AC		
J1-54	S1C-6B	FF 10	CH 6 POS 5 LO - AC		
J1-55	S1C-5B	FF 8	CH 6 POS 4 LO - AC		
J1-56	S1C-4B	FF 6	CH 6 POS 3 LO - AC		

(CONT.) J1(A7J1) CHANNEL 7, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-22	S1B-17A	GG 51	CH 7 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	GG 49	CH 7 POS 15 HI - DC		
J1-24	S1B-15A	GG 47	CH 7 POS 14 HI - DC		
J1-26	S1A-17A	GG 54	CH 7 +28 VDC ISS REF CONT		
J1-27	S1A-16A	GG 56	CH 7 AUX ISS REF CONT		
J1-28	S1B-17B	GG 52	CH 7 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	GG 44	CH 7 POS 9 LO - DC		
J1-30	S1B-12B	GG 46	CH 7 POS 11 LO - DC		
J1-32	S1A-17B	GG 55	CH 7 +28 VDC OPT REF CONT		
J1-33	S1A-16B	GG 57	CH 7 AUX OPT REF CONT		
J1-34	S1A- 3B	GG 53	CH 7 +28 VDC HI		
J1-36	S1B- 8B	GG 42	CH 7 POS 7 LO - DC		
J1-37	S1B- 7B	GG 40	CH 7 POS 6 LO - DC		
J1-38	S1B- 6B	GG 38	CH 7 POS 5 LO - DC		
J1-39	S1B- 5B	GG 36	CH 7 POS 4 LO - DC		
J1-40	S1B- 4B	GG 34	CH 7 POS 3 LO - DC		
J1-41	S1B- 3B	GG 32	CH 7 POS 2 LO - DC		
J1-42	S1B- 2B	GG 30	CH 7 POS 1 LO - DC		
J1-44	S1B- 2A	GG 29	CH 7 POS 1 HI - DC		
J1-45	S1B- 3A	GG 31	CH 7 POS 2 HI - DC		
J1-46	S1B- 4A	GG 33	CH 7 POS 3 HI - DC		
J1-47	S1B- 5A	GG 35	CH 7 POS 4 HI - DC		
J1-48	S1B- 6A	GG 37	CH 7 POS 5 HI - DC		
J1-49	S1B- 7A	GG 39	CH 7 POS 6 HI - DC		
J1-50	S1B- 8A	GG 41	CH 7 POS 7 HI - DC		
J1-52	S1C- 8B	GG 14	CH 7 SPARE NO FUNCTION		
J1-53	S1C- 7B	GG 12	CH 7 SPARE NO FUNCTION		
J1-54	S1C- 6B	GG 10	CH 7 SPARE NO FUNCTION		
J1-55	S1C- 5B	GG 8	CH 7 SPARE NO FUNCTION		
J1-56	S1C- 4B	GG 6	CH 7 SPARE NO FUNCTION		
J1-57	S1C- 3B	GG 4	CH 7 SPARE NO FUNCTION		
J1-58	S1C- 2B	GG 2	CH 7 SPARE NO FUNCTION		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 50 OF 131

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(CONT.) J1(A7J1) CHANNEL 7, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-60	S1C- 2A	GG 1	CH 7 SPARE NO FUNCTION		
J1-61	S1C- 3A	GG 3	CH 7 SPARE NO FUNCTION		
J1-62	S1C- 4A	GG 5	CH 7 SPARE NO FUNCTION		
J1-63	S1C- 5A	GG 7	CH 7 SPARE NO FUNCTION		
J1-64	S1C- 6A	GG 9	CH 7 SPARE NO FUNCTION		
J1-65	S1C- 7A	GG 11	CH 7 SPARE NO FUNCTION		
J1-66	S1C- 8A	GG 13	CH 7 SPARE NO FUNCTION		

J1(A8J1) CHANNEL 8, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1- 1	S1C-16A	HH 25	CH 8 SPARE NO FUNCTION		
J1- 2	S1C-14A	HH 23	CH 8 SPARE NO FUNCTION		
J1- 3	S1C-13A	HH 21	CH 8 SPARE NO FUNCTION		
J1- 4	S1C-12A	HH 19	CH 8 SPARE NO FUNCTION		
J1- 5	S1C-11A	HH 17	CH 8 SPARE NO FUNCTION		
J1- 6	S1C- 9A	HH 15	CH 8 SPARE NO FUNCTION		
J1- 7	S1C-12B	HH 20	CH 8 SPARE NO FUNCTION		
J1- 8	S1C-13B	HH 22	CH 8 SPARE NO FUNCTION		
J1- 9	S1C-14B	HH 24	CH 8 SPARE NO FUNCTION		
J1-10	S1C-16B	HH 26	CH 8 SPARE NO FUNCTION		
J1-12	S1C-17A	HH 27	CH 8 WIPER OUPT TO SCOPE B HI NOT USED		
J1-13	S1B-12A	HH 45	CH 6 POS 11 HI - DC		
J1-14	S1B-10A	HH 43	CH 8 POS 9 HI - DC		
J1-16	S1C-17B	HH 28	CH 8 WIPER OUPT TO SCOPE B LO NOT USED		
J1-17	S1C- 9B	HH 16	CH 8 POS 8 LO - AC		
J1-18	S1C-11B	HH 18	CH 8 POS 10 LO - AC		
J1-19	S1B-15B	HH 48	CH 8 POS 14 LO - DC		
J1-20	S1B-16B	HH 50	CH 8 POS 15 LO - DC		
J1-22	S1B-17A	HH 51	CH 8 SWITCH DC - HI TO INTLK RELAY		
J1-23	S1B-16A	HH 49	CH 8 POS 15 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 51 OF 131

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(CONT.) J1(A6J1) CHANNEL 6, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-57	S1C-3B	FF 4	CH 6 POS 2 LO - AC		
J1-58	S1C-2B	FF 2	CH 6 POS 1 LO - AC		
J1-60	S1C-2A	FF 1	CH 6 POS 1 HI - AC		
J1-61	S1C-3A	FF 3	CH 6 POS 2 HI - AC		
J1-62	S1C-4A	FF 5	CH 6 POS 3 HI - AC		
J1-63	S1C-5A	FF 7	CH 6 POS 4 HI - AC		
J1-64	S1C-6A	FF 9	CH 6 POS 5 HI - AC		
J1-65	S1C-7A	FF 11	CH 6 POS 6 HI - AC		
J1-66	S1C-8A	FF 13	CH 6 POS 7 HI - AC		

J1(A7J1) CHANNEL 7, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1- 1	S1C-16A	GG 25	CH 7 SPARE NO FUNCTION		
J1- 2	S1C-14A	GG 23	CH 7 SPARE NO FUNCTION		
J1- 3	S1C-13A	GG 21	CH 7 SPARE NO FUNCTION		
J1- 4	S1C-12A	GG 19	CH 7 SPARE NO FUNCTION		
J1- 5	S1C-11A	GG 17	CH 7 SPARE NO FUNCTION		
J1- 6	S1C- 9A	GG 15	CH 7 SPARE NO FUNCTION		
J1- 7	S1C-12B	GG 20	CH 7 SPARE NO FUNCTION		
J1- 8	S1C-13B	GG 22	CH 7 SPARE NO FUNCTION		
J1- 9	S1C-14B	GG 24	CH 7 SPARE NO FUNCTION		
J1-10	S1C-16B	GG 26	CH 7 SPARE NO FUNCTION		
J1-12	S1C-17A	GG 27	CH 7 WIPER OUPT TO SCOPE B HI NOT USED		
J1-13	S1B-12A	GG 45	CH 7 POS 11 HI - DC		
J1-14	S1B-10A	GG 43	CH 7 POS 9 HI - DC		
J1-16	S1C-17B	GG 28	CH 7 WIPER OUPT TO SCOPE B LO NOT USED		
J1-17	S1C- 9B	GG 16	CH 7 SPARE NO FUNCTION		
J1-18	S1C-11B	GG 18	CH 7 SPARE NO FUNCTION		
J1-19	S1B-15B	GG 48	CH 7 POS 14 LO - DC		
J1-20	S1B-16B	GG 50	CH 7 POS 15 LO - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 49 OF 131

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(CONT.) J1(A8J1) CHANNEL 8, CONNECTOR RECEPT 1015817-660 FIG. 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J1-24	S1B-15A	HH 47	CH 8 POS 14 HI - DC		
J1-26	S1A-17A	HH 54	CH 8 +28 VDC ISS REF CONT		
J1-27	S1A-16A	HH 56	CH 8 AUX ISS REF CONT		
J1-28	S1B-17B	HH 52	CH 8 SW DC - LO TO INTLK RELAY		
J1-29	S1B-10B	HH 44	CH 8 POS 9 LO - DC		
J1-30	S1B-12B	HH 46	CH 8 POS 11 LO - DC		
J1-32	S1A-17B	HH 55	CH 8 +28 VDC OPT REF CONT		
J1-33	S1A-16B	HH 57	CH 8 AUX OPT REF CONT		
J1-34	S1A- 3B	HH 53	CH 8 +28 VDC HI		
J1-36	S1B- 8B	HH 42	CH 8 POS 7 LO - DC		
J1-37	S1B- 7B	HH 40	CH 8 POS 6 LO - DC		
J1-38	S1B- 6B	HH 38	CH 8 POS 5 LO - DC		
J1-39	S1B- 5B	HH 36	CH 8 POS 4 LO - DC		
J1-40	S1B- 4B	HH 34	CH 8 POS 3 LO - DC		
J1-41	S1B- 3B	HH 32	CH 8 POS 2 LO - DC		
J1-42	S1B- 2B	HH 30	CH 8 POS 1 LO - DC		
J1-44	S1B- 2A	HH 29	CH 8 POS 1 HI - DC		
J1-45	S1B- 3A	HH 31	CH 8 POS 2 HI - DC		
J1-46	S1B- 4A	HH 33	CH 8 POS 3 HI - DC		
J1-47	S1B- 5A	HH 35	CH 8 POS 4 HI - DC		
J1-48	S1B- 6A	HH 37	CH 8 POS 5 HI - DC		
J1-49	S1B- 7A	HH 39	CH 8 POS 6 HI - DC		
J1-50	S1B- 8A	HH 41	CH 8 POS 7 HI - DC		
J1-52	S1C- 8B	HH 14	CH 8 SPARE NO FUNCTION		
J1-53	S1C- 7B	HH 12	CH 8 SPARE NO FUNCTION		
J1-54	S1C- 6B	HH 10	CH 8 SPARE NO FUNCTION		
J1-55	S1C- 5B	HH 8	CH 8 SPARE NO FUNCTION		
J1-56	S1C- 4B	HH 6	CH 8 SPARE NO FUNCTION		
J1-57	S1C- 3B	HH 4	CH 8 SPARE NO FUNCTION		
J1-58	S1C- 2B	HH 2	CH 8 SPARE NO FUNCTION		
J1-60	S1C- 2A	HH 1	CH 8 SPARE NO FUNCTION		
J1-61	S1C- 3A	HH 3	CH 8 SPARE NO FUNCTION		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 52 OF 131

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FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J1(A8J1)			CHANNEL 8, CONNECTOR RECEPT 1015817-660 FIG. 11		
J1-62	S1C- 4A	HH 5	CH 8 SPARE NO FUNCTION		
J1-63	S1C- 5A	HH 7	CH 8 SPARE NO FUNCTION		
J1-64	S1C- 6A	HH 9	CH 8 SPARE NO FUNCTION		
J1-65	S1C- 7A	HH 11	CH 8 SPARE NO FUNCTION		
J1-66	S1C- 8A	HH 13	CH 8 SPARE NO FUNCTION		
J2			CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61P FIG 4		
J2-A	J10-A	A 412	STATUS LOGIC GND (RLP LO)		
J2-B	P7-44	A 35R	CH 7 POS 1 - HI		
J2-B*	P7-49	A 45R	CH 7 POS 6 - HI		
J2-BB	P8-13	A 55R	CH 8 POS 11 - HI		
J2-C	P7-42	A 35L	CH 7 POS 1 - LO		
J2-C*	P7-37	A 45L	CH 7 POS 6 - LO		
J2-CC	P8-30	A 55L	CH 8 POS 11 - LO		
J2-D	P7-45	A 36R	CH 7 POS 2 - HI		
J2-D*	P7-50	A 46R	CH 7 POS 7 - HI		
J2-DD	P8-24	A 56R	CH 8 POS 14 - HI		
J2-E	P7-41	A 36L	CH 7 POS 2 - LO		
J2-E*	P7-36	A 46L	CH 7 POS 7 - LO		
J2-EE	P8-19	A 56L	CH 8 POS 14 - LO		
J2-F	P7-46	A 37R	CH 7 POS 3 - HI		
J2-F*	P7-14	A 47R	CH 7 POS 9 - HI		
J2-FF	P9-17	A 57R	OUPT TO OSCILLOGRAPH CH 7 - HI		
J2-G	P7-40	A 37L	CH 7 POS 3 - LO		
J2-G*	P7-29	A 47L	CH 7 POS 9 - LO		
J2-GG	P9-16	A 57L	OUPT TO OSCILLOGRAPH CH 7 - LO		
J2-H	P7-47	A 38R	CH 7 POS 4 - HI		
J2-H*	P9-28	A 48R	OUPT TO OSCILLOGRAPH CH 7 - HI		
J2-HH	P7-24	A 58R	CH 7 POS 14 - HI		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J2			CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61P FIG 4		
J2-J	P7-39	A 38L	CH 7 POS 4 - LO		
J2-J*	P9-27	A 48L	OUPT TO OSCILLOGRAPH CH 7 - LO		
J2-JJ	P7-19	A 58L	CH 7 POS 14 - LO		
J2-K	P7-48	A 39R	CH 7 POS 5 - HI		
J2-KK	P7-23	A 59R	CH 7 POS 15 - HI		
J2-L	P7-38	A 39L	CH 7 POS 5 - LO		
J2-LL	P7-20	A 59L	CH 7 POS 15 - LO		
J2-M	P8-44	A 40R	CH 8 POS 1 - HI		
J2-M*	P8-49	A 49R	CH 8 POS 6 - HI		
J2-MM	P8-23	A 60R	CH 8 POS 15 - HI		
J2-N	P8-42	A 40L	CH 8 POS 1 - LO		
J2-N*	P8-37	A 49L	CH 8 POS 6 - LO		
J2-NN	P8-20	A 60L	CH 8 POS 15 - LO		
J2-P	P8-45	A 41R	CH 8 POS 2 - HI		
J2-P*	P8-50	A 50R	CH 8 POS 7 - HI		
J2-R	P8-41	A 41L	CH 8 POS 2 - LO		
J2-R*	P8-36	A 50L	CH 8 POS 7 - LO		
J2-S	P8-46	A 42R	CH 8 POS 3 - HI		
J2-S*	P8-14	A 51R	CH 8 POS 9 - HI		
J2-T	P8-40	A 42L	CH 8 POS 3 - LO		
J2-T*	P8-29	A 51L	CH 8 POS 9 - LO		
J2-U	P8-47	A 43R	CH 8 POS 4 - HI		
J2-U*	P9- 9	A 52R	REF OUPT TO OSCILLOGRAPH CH 8 - HI		
J2-V	P8-39	A 43L	CH 8 POS 4 - LO		
J2-V*	P9- 8	A 52L	REF OUPT TO OSCILLOGRAPH CH 8 - LO		
J2-W	P8-48	A 44R	CH 8 POS 5 - HI		
J2-W*	P7-13	A 53R	CH 7 POS 11 - HI		
J2-X	P8-38	A 44L	CH 8 POS 5 - LO		
J2-X*	P7-30	A 53L	CH 7 POS 11 - LO		
J2-Y*	P9-21	A 54R	REF OUPT TO OSCILLOGRAPH CH 7 - HI		
J2-Z*	P9-20	A 54L	REF OUPT TO OSCILLOGRAPH CH 7 - LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J3			CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PY FIG 4		
J3-B	P4-60	A 61R	CH 4 POS 1 HI - AC		
J3-B*	P4-65	A 73R	CH 4 POS 6 HI - AC		
J3-BB	P4-13	A 85R	CH 4 POS 11 HI - DC		
J3-C	P4-58	A 61L	CH 4 POS 1 LO - AC		
J3-C*	P4-53	A 73L	CH 4 POS 6 LO - AC		
J3-CC	P4-30	A 85L	CH 4 POS 11 LO - DC		
J3-D	P4-61	A 62R	CH 4 POS 2 HI - AC		
J3-D*	P4-66	A 74R	CH 4 POS 7 HI - AC		
J3-DD	P4-24	A 86R	CH 4 POS 14 HI - DC		
J3-E	P4-57	A 62L	CH 4 POS 2 LO - AC		
J3-E*	P4-52	A 74L	CH 4 POS 7 LO - AC		
J3-EE	P4-19	A 86L	CH 4 POS 14 LO - DC		
J3-F	P4-62	A 63R	CH 4 POS 3 HI - AC		
J3-F*	P4- 6	A 75R	CH 4 POS 8 HI - AC		
J3-FF	P10-27	A 87R	OUPT TO OSCILLOGRAPH CH 4 - HI		
J3-G	P4-56	A 63L	CH 4 POS 3 LO - AC		
J3-G*	P4-17	A 75L	CH 4 POS 8 LO - AC		
J3-GG	P10-26	A 87L	OUPT TO OSCILLOGRAPH CH 4 - LO		
J3-H	P4-63	A 64R	CH 4 POS 4 HI - AC		
J3-H*	P4- 5	A 76R	CH 4 POS 10 HI - AC		
J3-HH	P4- 2	A 88R	CH 4 POS 13 HI - AC		
J3-I*	P4-27	A 77	CH 4 AUX ISS REF CONT		
J3-J	P4-55	A 64L	CH 4 POS 4 LO - AC		
J3-J*	P4-18	A 76L	CH 4 POS 10 LO - AC		
J3-JJ	P4- 9	A 88L	CH 4 POS 13 LO - AC		
J3-K	P4-64	A 65R	CH 4 POS 5 HI - AC		
J3-K*	P4-33	A 78	CH 4 AUX OPT REF CONT		
J3-KK	P4- 1	A 89R	CH 4 POS 15 HI - AC		
J3-L	P4-54	A 65L	CH 4 POS 5 LO - AC		
J3-LL	P4-10	A 89L	CH 4 POS 15 LO - AC		
J3-M	P4-44	A 66R	CH 4 POS 1 HI - DC		
J3-M*	P4-49	A 79R	CH 4 POS 6 HI - DC		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) J3			CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PY FIG 4		
J3-MM	P4-23	A 90R	CH 4 POS 15 HI - DC		
J3-N	P4-42	A 66L	CH 4 POS 1 LO - DC		
J3-N*	P4-37	A 79L	CH 4 POS 6 LO - DC		
J3-NN	P4-20	A 90L	CH 4 POS 15 LO - DC		
J3-P	P4-45	A 67R	CH 4 POS 2 HI - DC		
J3-P*	P4-50	A 80R	CH 4 POS 7 HI - DC		
J3-R	P4-41	A 67L	CH 4 POS 2 LO - DC		
J3-R*	P4-36	A 80L	CH 4 POS 7 LO - DC		
J3-S	P4-46	A 68R	CH 4 POS 3 HI - DC		
J3-S*	P4-14	A 81R	CH 4 POS 9 HI - DC		
J3-T	P4-40	A 68L	CH 4 POS 3 LO - DC		
J3-T*	P4-29	A 81L	CH 4 POS 9 LO - DC		
J3-U	P4-47	A 69R	CH 4 POS 4 HI - DC		
J3-U*	P10-31	A 82R	REF OUPT TO OSCILLOGRAPH CH 4 - HI		
J3-V	P4-39	A 69L	CH 4 POS 4 LO - DC		
J3-V*	P10-30	A 82L	REF OUPT TO OSCILLOGRAPH CH 4 - LO		
J3-W	P4-48	A 70R	CH 4 POS 5 HI - DC		
J3-W*	P4- 4	A 83R	CH 4 POS 11 HI - AC		
J3-X	P4-38	A 70L	CH 4 POS 5 LO - DC		
J3-X*	P4- 7	A 83L	CH 4 POS 11 LO - AC		
J3-Y	P3-27	A 71	CH 3 AUX ISS REF CONT		
J3-Y*	P4- 3	A 84R	CH 4 POS 12 HI - AC		
J3-Z	P3-33	A 72	CH 4 AUX OPT REF CONT		
J3-Z*	P4- 8	A 84L	CH 4 POS 12 LO - AC		

(CONT.) J4 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PW FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-MM	P3-23	A 119R	CH 3 POS 15 HI - DC		
J4-N	P3-42	A 96L	CH 3 POS 1 LO - DC		
J4-N*	P3-37	A 109L	CH 3 POS 6 LO - DC		
J4-NN	P3-20	A 119L	CH 3 POS 15 LO - DC		
J4-P	P3-45	A 97R	CH 3 POS 2 HI - DC		
J4-P*	P3-50	A 110R	CH 3 POS 7 HI - DC		
J4-R	P3-41	A 97L	CH 3 POS 2 LO - DC		
J4-R*	P3-36	A 110L	CH 3 POS 7 LO - DC		
J4-S	P3-46	A 98R	CH 3 POS 3 HI - DC		
J4-T	P3-40	A 98L	CH 3 POS 3 LO - DC		
J4-U	P3-47	A 99R	CH 3 POS 4 HI - DC		
J4-U*	P10-42	A 111R	REF OUPT TO OSCILLOGRAPH CH 3 HI		
J4-V	P3-39	A 99L	CH 3 POS 4 LO - DC		
J4-V*	P10-41	A 111L	REF OUPT TO OSCILLOGRAPH CH 3 LO		
J4-W	P3-48	A 100R	CH 3 POS 5 HI - DC		
J4-W*	P3- 4	A 112R	CH 3 POS 11 HI - AC		
J4-X	P3-38	A 100L	CH 3 POS 5 LO - DC		
J4-X*	P3- 7	A 112L	CH 3 POS 11 LO - AC		
J4-Y	P1-27	A 101	CH 1 AUX ISS REF CONT		
J4-Y*	P3- 3	A 113R	CH 3 POS 12 HI - AC		
J4-Z	P1-33	A 102	CH 1 AUX OPT REF CONT		
J4-Z*	P3- 8	A 113L	CH 3 POS 12 LO - AC		

J5 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PZ FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-B	P6-60	A 120R	CH 6 POS 1 HI - AC		
J5-B*	P6-65	A 132R	CH 6 POS 6 HI - AC		
J5-BB	P6-13	A 144R	CH 6 POS 11 HI - DC		
J5-C	P6-58	A 120L	CH 6 POS 1 LO - AC		
J5-C*	P6-53	A 132L	CH 6 POS 6 LO - AC		

(CONT.) J5 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PZ FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-CC	P6-30	A 144L	CH 6 POS 11 LO - DC		
J5-D	P6-61	A 121R	CH 6 POS 2 HI - AC		
J5-D*	P6-66	A 133R	CH 6 POS 7 HI - AC		
J5-DD	P6-24	A 145R	CH 6 POS 14 HI - DC		
J5-E	P6-57	A 121L	CH 6 POS 2 LO - AC		
J5-E*	P6-52	A 133L	CH 6 POS 7 LO - AC		
J5-EE	P6-19	A 145L	CH 6 POS 14 LO - DC		
J5-F	P6-62	A 122R	CH 6 POS 3 HI - AC		
J5-F*	P6- 6	A 134R	CH 6 POS 8 HI - AC		
J5-FF	P9-39	A 146R	OUPT TO OSCILLOGRAPH CH 6 HI		
J5-G	P6-56	A 122L	CH 6 POS 3 LO - AC		
J5-G*	P6-17	A 134L	CH 6 POS 8 LO - AC		
J5-GG	P9-38	A 146L	OUPT TO OSCILLOGRAPH CH 6 LO		
J5-H	P6-63	A 123R	CH 6 POS 4 HI - AC		
J5-H*	P6- 5	A 135R	CH 6 POS 10 HI - AC		
J5-HH	P6- 2	A 147R	CH 6 POS 13 HI - AC		
J5-I*	P6-27	A 136	CH 6 AUX ISS REF CONT		
J5-J	P6-55	A 123L	CH 6 POS 4 LO - AC		
J5-J*	P6-18	A 135L	CH 6 POS 10 LO - AC		
J5-JJ	P6- 9	A 147L	CH 6 POS 13 LO - AC		
J5-K	P6-64	A 124R	CH 6 POS 5 HI - AC		
J5-K*	P6-33	A 137	CH 6 AUX OPT REF CONT		
J5-KK	P6- 1	A 148R	CH 6 POS 15 HI - AC		
J5-L	P6-54	A 124L	CH 6 POS 5 LO - AC		
J5-LL	P6-10	A 148L	CH 6 POS 15 LO - AC		
J5-M	P6-44	A 125R	CH 6 POS 1 HI - DC		
J5-M*	P6-49	A 138R	CH 6 POS 6 HI - DC		
J5-MM	P6-23	A 149R	CH 6 POS 15 HI - DC		
J5-N	P6-42	A 125L	CH 6 POS 1 LO - DC		
J5-N*	P6-37	A 138L	CH 6 POS 6 LO - DC		
J5-NN	P6-20	A 149L	CH 6 POS 15 LO - DC		
J5-P	P6-45	A 126R	CH 6 POS 2 HI - DC		

J4 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PW FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J4-B	P3-60	A 91R	CH 3 POS 1 HI - AC		
J4-B*	P3-65	A 103R	CH 3 POS 6 HI - AC		
J4-BB	P3-13	A 114R	CH 3 POS 11 HI - DC		
J4-C	P3-58	A 91L	CH 3 POS 1 LO - AC		
J4-C*	P3-53	A 103L	CH 3 POS 6 LO - AC		
J4-CC	P3-30	A 114L	CH 3 POS 11 LO - DC		
J4-D	P3-61	A 92R	CH 3 POS 2 HI - AC		
J4-D*	P3-66	A 104R	CH 3 POS 7 HI - AC		
J4-DD	P3-24	A 115R	CH 3 POS 14 HI - DC		
J4-E	P3-57	A 92L	CH 3 POS 2 LO - AC		
J4-E*	P3-52	A 104L	CH 3 POS 7 LO - AC		
J4-EE	P3-19	A 115L	CH 3 POS 14 LO - DC		
J4-F	P3-62	A 93R	CH 3 POS 3 HI - AC		
J4-F*	P3- 6	A 105R	CH 3 POS 8 HI - AC		
J4-FF	P10-38	A 116R	OUPT TO OSCILLOGRAPH CH 3 HI		
J4-G	P3-56	A 93L	CH 3 POS 3 LO - AC		
J4-G*	P3-17	A 105L	CH 3 POS 8 LO - AC		
J4-GG	P10-37	A 116L	OUPT TO OSCILLOGRAPH CH 3 LO		
J4-H	P3-63	A 94R	CH 3 POS 4 HI - AC		
J4-H*	P3- 5	A 106R	CH 3 POS 10 HI - AC		
J4-HH	P3- 2	A 117R	CH 3 POS 13 HI - AC		
J4-I*	P2-27	A 107	CH 2 AUX ISS REF CONT		
J4-J	P3-55	A 94L	CH 3 POS 4 LO - AC		
J4-J*	P3-18	A 106L	CH 3 POS 10 LO - AC		
J4-JJ	P3- 9	A 117L	CH 3 POS 13 LO - AC		
J4-K	P3-64	A 95R	CH 3 POS 5 HI - AC		
J4-K*	P2-33	A 108	CH 2 AUX OPT REF CONT		
J4-KK	P3- 1	A 118R	CH 3 POS 15 HI - AC		
J4-L	P3-54	A 95L	CH 3 POS 5 LO - AC		
J4-LL	P3-10	A 118L	CH 3 POS 15 LO - AC		
J4-M	P3-44	A 96R	CH 3 POS 1 HI - DC		
J4-M*	P3-49	A 109R	CH 3 POS 6 HI - DC		

(CONT.) J5 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PZ FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J5-P*	P6-50	A 139R	CH 6 POS 7 HI - DC		
J5-R	P6-41	A 126L	CH 6 POS 2 LO - DC		
J5-R*	P6-36	A 139L	CH 6 POS 7 LO - DC		
J5-S	P6-46	A 127R	CH 6 POS 3 HI - DC		
J5-S*	P6-14	A 140R	CH 6 POS 9 HI - DC		
J5-T	P6-40	A 127L	CH 6 POS 3 LO - DC		
J5-T*	P6-29	A 140L	CH 6 POS 9 LO - DC		
J5-U	P6-47	A 128R	CH 6 POS 4 HI - DC		
J5-U*	P9-32	A 141R	REF OUPT TO OSCILLOGRAPH CH 6 HI		
J5-V	P6-39	A 128L	CH 6 POS 4 LO - DC		
J5-V*	P9-31	A 141L	REF OUPT TO OSCILLOGRAPH CH 6 - LO		
J5-W	P6-48	A 129R	CH 6 POS 5 HI - DC		
J5-W*	P6- 4	A 142R	CH 6 POS 11 HI - AC		
J5-X	P6-38	A 129L	CH 6 POS 5 LO - DC		
J5-X*	P6- 7	A 142L	CH 6 POS 11 LO - AC		
J5-Y	P5-27	A 130	CH 5 AUX ISS REF CONT		
J5-Y*	P6- 3	A 143R	CH 6 POS 12 HI - AC		
J5-Z	P5-33	A 131	CH 5 AUX OPT REF CONT		
J5-Z*	P6- 8	A 143L	CH 6 POS 12 LO - AC		

J6 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61P FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-B	P5-60	A 150R	CH 5 POS 1 HI - AC		
J6-B*	P5-65	A 162R	CH 5 POS 6 HI - AC		
J6-BB	P5-13	A 174R	CH 5 POS 11 HI - DC		
J6-C	P5-58	A 150L	CH 5 POS 1 LO - AC		
J6-C*	P5-53	A 162L	CH 5 POS 6 LO - AC		
J6-CC	P5-30	A 174L	CH 5 POS 11 LO - DC		
J6-D	P5-61	A 151R	CH 5 POS 2 HI - AC		
J6-D*	P5-66	A 163R	CH 5 POS 7 HI - AC		

(CONT.) J6 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61P FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-S	P5-46	A 157R	CH 5 POS 3 HI - DC		
J6-S*	P5-14	A 170R	CH 5 POS 9 HI - DC		
J6-T	P5-40	A 157L	CH 5 POS 3 LO - DC		
J6-T*	P5-29	A 170L	CH 5 POS 9 LO - DC		
J6-U	P5-47	A 158R	CH 5 POS 4 HI - DC		
J6-U*	P9-43	A 171R	REF OUPT TO OSCILLOGRAPH CH 5 HI		
J6-V	P5-39	A 158L	CH 5 POS 4 LO - DC		
J6-V*	P9-42	A 171L	REF OUPT TO OSCILLOGRAPH CH 5 - LO		
J6-W	P5-48	A 159R	CH 5 POS 5 HI - DC		
J6-W*	P5- 4	A 172R	CH 5 POS 11 HI - AC		
J6-X	P5-38	A 159L	CH 5 POS 5 LO - DC		
J6-X*	P5- 7	A 172L	CH 5 POS 11 LO - AC		
J6-Y	P7-27	A 160	CH 7 AUX ISS REF CONT		
J6-Y*	P5- 3	A 173R	CH 5 POS 12 HI - AC		
J6-Z	P7-33	A 161	CH 7 AUX OPT REF CONT		
J6-Z*	P5- 8	A 173L	CH 5 POS 12 LO - AC		

J7 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J7-A	P10-53	A 180R	REF OUPT TO OSCILLOGRAPH CH 2 HI		
J7-A*	P10-52	A 180L	REF OUPT TO OSCILLOGRAPH CH 2 LO		
J7-AA	P10-64	A 203R	REF OUPT TO OSCILLOGRAPH CH 1 HI		
J7-B	P1-60	A 181R	CH 1 POS 1 HI - AC		
J7-B*	P1-65	A 192R	CH 1 POS 6 HI AC		
J7-BB	P2- 4	A 204R	CH 2 POS 11 HI AC		
J7-C	P1-58	A 181L	CH 1 POS 1 LO AC		
J7-C*	P1-53	A 192L	CH 1 POS 6 LO AC		
J7-CC	P2- 7	A 204L	CH 2 POS 11 LO AC		
J7-D	P1-61	A 182R	CH 1 POS 2 HI AC		
J7-D*	P1-66	A 193R	CH 1 POS 7 HI AC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 62 OF 131

(CONT.) J7 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J7-DD	P2- 3	A 205R	CH 2 POS 12 HI AC		
J7-E	P1-57	A 182L	CH 1 POS 2 LO AC		
J7-E*	P1-52	A 193L	CH 1 POS 7 LO AC		
J7-EE	P2- 8	A 205L	CH 2 POS 12 LO AC		
J7-F	P1-62	A 183R	CH 1 POS 3 HI AC		
J7-F*	P1- 6	A 194R	CH 1 POS 8 HI AC		
J7-FF	P2- 2	A 206R	CH 2 POS 13 HI AC		
J7-G	P1-56	A 183L	CH 1 POS 3 LO AC		
J7-G*	P1-17	A 194L	CH 1 POS 8 LO AC		
J7-GG	P2- 9	A 206L	CH 2 POS 13 LO AC		
J7-H	P1-63	A 184R	CH 1 POS 4 HI AC		
J7-H*	P1- 5	A 195R	CH 1 POS 10 HI AC		
J7-HH	P1- 2	A 207R	CH 1 POS 13 HI AC		
J7-I*	P10-60	A 196R	OUPT TO OSCILLOGRAPH CH 1 HI		
J7-J	P1-55	A 184L	CH 1 POS 4 LO AC		
J7-J*	P1-18	A 195L	CH 1 POS 10 LO AC		
J7-JJ	P1- 9	A 207L	CH 1 POS 13 LO - AC		
J7-K	P1-64	A 185R	CH 1 POS 5 HI - AC		
J7-K*	P10-59	A 196L	OUPT TO OSCILLOGRAPH CH 1 LO		
J7-KK	P1- 1	A 208R	CH 1 POS 15 HI - AC		
J7-L	P1-54	A 185L	CH 1 POS 5 LO - AC		
J7-LL	P1-10	A 208L	CH 1 POS 15 LO - AC		
J7-M	P2-60	A 186R	CH 2 POS 1 HI - AC		
J7-M*	P2-65	A 197R	CH 2 POS 6 HI - AC		
J7-MM	P2- 1	A 209R	CH 2 POS 15 HI - AC		
J7-N	P2-58	A 186L	CH 2 POS 1 LO - AC		
J7-N*	P2-53	A 197L	CH 2 POS 6 LO - AC		
J7-NN	P2-10	A 209L	CH 2 POS 15 LO - AC		
J7-P	P2-61	A 187R	CH 2 POS 2 HI - AC		
J7-P*	P2-66	A 198R	CH 2 POS 7 HI - AC		
J7-PP	P10-63	A 203L	REF OUPT TO OSCILLOGRAPH CH 1 LO		
J7-R	P2-57	A 187L	CH 2 POS 2 LO - AC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 63 OF 131

(CONT.) J6 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61P FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J6-DD	P5-24	A 175R	CH 5 POS 14 HI - DC		
J6-E	P5-57	A 151L	CH 5 PCS 2 LO - AC		
J6-E*	P5-52	A 163L	CH 5 POS 7 LO - AC		
J6-EE	P5-19	A 175L	CH 5 POS 14 LO - DC		
J6-F	P5-62	A 152R	CH 5 POS 3 HI - AC		
J6-F*	P5- 6	A 164R	CH 5 POS 8 HI - AC		
J6-FF	P9-50	A 176R	OUPT TO OSCILLOGRAPH CH 5 HI		
J6-G	P5-56	A 152L	CH 5 POS 3 LO - AC		
J6-G*	P5-17	A 164L	CH 5 POS 8 LO - AC		
J6-GG	P9-49	A 176L	OUPT TC OSCILLOGRAPH CH 5 - LO		
J6-H	P5-63	A 153R	CH 5 POS 4 HI - AC		
J6-H*	P5- 5	A 165R	CH 5 POS 10 HI - AC		
J6-HH	P5- 2	A 177R	CH 5 POS 13 HI - AC		
J6-I*	P8-27	A 166	CH 8 AUX ISS REF CONT		
J6-J	P5-55	A 153L	CH 5 POS 4 LO - AC		
J6-J*	P5-18	A 165L	CH 5 POS 10 LO - AC		
J6-JJ	P5- 9	A 177L	CH 5 POS 13 LO - AC		
J6-K	P5-64	A 154R	CH 5 POS 5 HI - AC		
J6-K*	P8-33	A 167	CH 8 AUX OPT REF CONT		
J6-KK	P5- 1	A 178R	CH 5 POS 15 HI - AC		
J6-L	P5-54	A 154L	CH 5 POS 5 LO - AC		
J6-LL	P5-10	A 178L	CH 5 POS 15 LO - AC		
J6-M	P5-44	A 155R	CH 5 POS 1 HI - DC		
J6-M*	P5-49	A 168R	CH 5 POS 6 HI - DC		
J6-MM	P5-23	A 179R	CH 5 POS 15 HI - DC		
J6-N	P5-42	A 155L	CH 5 POS 1 LO - DC		
J6-N*	P5-37	A 168L	CH 5 POS 6 LO - DC		
J6-NN	P5-20	A 179L	CH 5 POS 15 LO - DC		
J6-P	P5-45	A 156R	CH 5 POS 2 HI - DC		
J6-P*	P5-50	A 169R	CH 5 POS 7 HI - DC		
J6-R	P5-41	A 156L	CH 5 POS 2 LO - DC		
J6-R*	P5-36	A 169L	CH 5 POS 7 LO - DC		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 61 OF 131

(CONT.) J7 CONNECTOR-RECEPTACLE, ELECTRICAL P/N MS3127E-24-61PX FIG 4

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J7-R*	P2-52	A 198L	CH 2 POS 7 LO - AC		
J7-S	P2-62	A 188R	CH 2 POS 3 HI - AC		
J7-S*	P2- 6	A 199R	CH 2 POS 8 HI - AC		
J7-T	P2-56	A 188L	CH 2 POS 3 LO - AC		
J7-T*	P2-17	A 199L	CH 2 POS 8 LO - AC		
J7-U	P2-63	A 189R	CH 2 POS 4 HI - AC		
J7-U*	P2- 5	A 200R	CH 2 POS 10 HI - AC		
J7-V	P2-55	A 189L	CH 2 POS 4 LO - AC		
J7-V*	P2-18	A 200L	CH 2 POS 10 LO - AC		
J7-W	P2-64	A 190R	CH 2 POS 5 HI - AC		
J7-W*	P1- 4	A 201R	CH 1 POS 11 HI - AC		
J7-X	P2-54	A 190L	CH 2 POS 5 LO - AC		
J7-X*	P1- 7	A 201L	CH 1 POS 11 LO - AC		
J7-Y	P10-49	A 191R	OUPT TO OSCILLOGRAPH CH 2 HI		
J7-Y*	P1- 3	A 202R	CH 1 POS 12 HI - AC		
J7-Z	P10-48	A 191L	OUPT TO OSCILLOGRAPH CH 2 LO		
J7-Z*	P1- 8	A 202L	CH 1 POS 12 LO - AC		

J8 (A9P1) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015867-140 FIG 9

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J8-B	E35	A 213	+30 VDC		
J8-C	E36	A 212	30 VDC COMM		
J8-D	E37	A 214	-30 VDC		
J8-H	J9-M	A 2R	800 CPS ISS 90 DEGREE BUFFER INPUT HI		
J8-J	J9-N	A 2L	800 CPS ISS 90 DEGREE BUFFER INPUT LO		
J8-M	S3SW2-NO	A 211W	800 CPS ISS 90 DEGREE BUFFER OUPT HI		
J8-P	J1-K	A 6R	800 CPS ISS 90 DEGREE GSE - HI		
J8-R	J1-L	A 6L	800 CPS ISS 90 DEGREE GSE - LO		

SIZE	CODE IDENT NO.		
A	99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 64 OF 131

(CONT.) J15 (P10) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015817-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J15-40	K11- 3	B 87	+28 VDC CH 3 OPT REF CONT		
J15-41	K11- 6	B 29	CH 3 REF LO		
J15-42	K11- 2	B 30	CH 3 REF HI		
J15-43	K23- 7	B 140	CH 2 DC INTLK		
J15-44	K23- 1	B 141	CH 2 DC SIGNALS LO		
J15-45	K23- 8	B 145	CH 2 AC SIGNALS LO		
J15-46	K23- 5	B 142	CH 2 DC SIGNALS HI		
J15-47	K23- 4	B 146	CH 2 AC SIGNALS HI		
J15-48	K23- 6	B 143	CH 2 OUPT LO		
J15-49	K23- 2	B 144	CH 2 OUPT HI		
J15-50	K14- 3	B 88	+28 VDC CH 2 ISS REF CONT		
J15-51	K13- 3	B 89	+28 VDC CH 2 OPT REF CONT		
J15-52	K13- 6	B 32	CH 2 REF LO		
J15-53	K13- 2	B 33	CH 2 REF HI		
J15-54	K24- 7	B 147	CH 1 DC INTLK		
J15-55	K24- 1	B 148	CH 1 DC SIGNALS LO		
J15-56	K24- 8	B 152	CH 1 AC SIGNALS LO		
J15-57	K24- 5	B 149	CH 1 DC SIGNALS HI		
J15-58	K24- 4	B 153	CH 1 AC SIGNALS HI		
J15-59	K24- 6	B 150	CH 1 OUPT LO		
J15-60	K24- 2	B 151	CH 1 OUPT HI		
J15-61	K16- 3	B 58	+28 VDC CH 1 ISS REF CONT		
J15-62	K15- 3	B 75	+28 VDC CH 1 OPT REF CONT		
J15-63	K15- 6	B 10	CH 1 REF LO		
J15-64	K15- 2	B 11	CH 1 REF HI		
J15-65	K16- 7	B 59	28 VDC LO		
J15-66	K24- 3	B 97	CH 1 DC INTLK		

SIZE A	CODE IDENT NO. 99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 70 OF 131

K1 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K1- 1	K2- 8	B 161	REF CKT 800 CPS LO		
K1- 1	K3- 1	B 162	REF CKT 800 CPS LO		
K1- 2	J14- 9	B 14	CH 8 REF HI		
K1- 3	J14- 7	B 77	+28 VDC CH 8 OPT REF CONT		
K1- 4	K2- 2	B 42	REF CKT ISS SIGNAL HI		
K1- 5	K3- 5	B 171	REF CKT OPT SIGNAL HI		
K1- 6	J14- 8	B 13	CH 8 REF LO		
K1- 7	K2- 7	B 74	28 VDC LO		
K1- 8	K2- 6	B 12	REF CKT ISS SIGNAL LO		

K2 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K2- 1	K4- 1	B 51	REF CKT 3.2 KC LO		
K2- 2	K1- 4	B 42	REF CKT ISS SIGNAL HI		
K2- 3	J14- 6	B 76	+28 VDC CH 8 ISS REF CONT		
K2- 4	K4- 4	B 34	REF CKT ISS 800 CPS HI		
K2- 5	K4- 5	B 154	REF CKT 3.2 KC HI		
K2- 6	K1- 8	B 12	REF CKT ISS SIGNAL LO		
K2- 7	K3- 7	B 73	28 VDC LO		
K2- 7	K1- 7	B 74	28 VDC LO		
K2- 8	K4- 8	B 4	REF CKT 800 CPS LO		
K2- 8	K1- 1	B 161	REF CKT 800 CPS LO		

SIZE A	CODE IDENT NO. 99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 71 OF 131

(CONT.) J14 (P9) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015817-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J14-43	K7- 2	B 24	CH 5 REF HI		
J14-44	K20- 7	B 119	CH 5 DC INTLK		
J14-45	K20- 1	B 120	CH 5 DC SIGNALS LO		
J14-46	K20- 8	B 124	CH 5 AC SIGNALS LO		
J14-47	K20- 5	B 121	CH 5 DC SIGNALS HI		
J14-48	K20- 4	B 125	CH 5 AC SIGNALS HI		
J14-49	K20- 6	B 122	CH 5 OUPT LO		
J14-50	K20- 2	B 123	CH 5 OUPT HI		

J15 (P10) CONNECTOR-RECEPTACLE, ELECTRICAL P/N 1015817-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
J15-21	K21- 7	B 126	CH 4 DC INTLK		
J15-22	K21- 1	B 127	CH 4 DC SIGNALS LO		
J15-23	K21- 8	B 131	CH 4 AC SIGNALS LO		
J15-24	K21- 5	B 128	CH 4 DC SIGNALS HI		
J15-25	K21- 4	B 132	CH 4 AC SIGNALS HI		
J15-26	K21- 6	B 129	CH 4 OUPT LO		
J15-27	K21- 2	B 130	CH 4 OUPT HI		
J15-28	K10- 3	B 84	+28 VDC CH 4 ISS REF CONT		
J15-29	K9- 3	B 85	+28 VDC CH 4 OPT REF CONT		
J15-30	K9- 6	B 26	CH 4 REF LO		
J15-31	K9- 2	B 27	CH 4 REF HI		
J15-32	K22- 7	B 133	CH 3 DC INTLK		
J15-33	K22- 1	B 134	CH 3 DC SIGNALS LO		
J15-34	K22- 8	B 138	CH 3 AC SIGNALS LO		
J15-35	K22- 5	B 135	CH 3 DC SIGNALS HI		
J15-36	K22- 4	B 139	CH 3 AC SIGNALS HI		
J15-37	K22- 6	B 136	CH 3 OUPT LO		
J15-38	K22- 2	B 137	CH 3 OUPT HI		
J15-39	K12- 3	B 86	+28 VDC CH 3 ISS REF CONT		

SIZE A	CODE IDENT NO. 99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 69 OF 131

K3 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K3- 1	K1- 1	B 162	REF CKT 800 CPS LO		
K3- 1	K5- 1	B 163	REF CKT 800 CPS LO		
K3- 2	J14-21	B 18	CH 7 REF HI		
K3- 3	J14-19	B 79	+28 VDC CH 7 OPT REF CONT		
K3- 4	K4- 2	B 43	REF CKT ISS SIGNAL HI		
K3- 5	K1- 5	B 171	REF CKT OPT SIGNAL HI		
K3- 5	K5- 5	B 172	REF CKT OPT SIGNAL HI		
K3- 6	J14-20	B 17	CH 7 REF LO		
K3- 7	K4- 7	B 72	28 VDC LO		
K3- 7	K2- 7	B 73	28 VDC LO		
K3- 8	K4- 6	B 15	REF CKT ISS SIGNAL LO		

K4 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K4- 1	K2- 1	B 51	REF CKT 3.2 KC LO		
K4- 1	K6- 1	B 52	REF CKT 3.2 KC LO		
K4- 2	K3- 4	B 43	REF CKT ISS SIGNAL HI		
K4- 3	J14-18	B 78	+28 VDC CH 7 ISS REF CONT		
K4- 4	K2- 4	B 34	REF CKT ISS 800 CPS HI		
K4- 4	K6- 4	B 35	REF CKT 800 CPS ISS HI		
K4- 5	K2- 5	B 154	REF CKT 3.2 KC HI		
K4- 5	K6- 5	B 155	REF CKT 3.2 KC HI		
K4- 6	K3- 8	B 15	REF CKT ISS SIGNAL LO		
K4- 7	K5- 7	B 71	28 VDC LO		
K4- 7	K3- 7	B 72	28 VDC LO		
K4- 8	K6- 8	B 3	REF CKT 800 CPS LO		
K4- 8	K2- 8	B 4	REF CKT 800 CPS LO		

SIZE A	CODE IDENT NO. 99974	2900901	
SCALE-NONE	REV LTR	A	SHEET 72 OF 131

K7 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K7- 1	K5- 1	B 164	REF CKT 800 CPS LO		
K7- 1	K9- 1	B 165	REF CKT OPT SIGNAL LO		
K7- 2	J14-43	B 24	CH 5 REF HI		
K7- 3	J14-41	B 83	+28 VDC CH 5 OPT REF CONT		
K7- 4	K8- 2	B 45	REF CKT ISS SIGNAL HI		
K7- 5	J14- 5	B 169	800 CPS OPT HI FOR OSCILLOGRAPH REF		
K7- 5	K5- 5	B 173	REF CKT 800 CPS OPT HI		
K7- 6	J14-42	B 23	CH 5 REF LO		
K7- 7	K8- 7	B 68	28 VDC LO		
K7- 7	K6- 7	B 69	28 VDC LO		
K7- 8	K8- 6	B 22	REF CKT ISS SIGNAL LO		

K8 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K8- 1	J14- 3	B 49	3.2 KC LO FOR OSCILLOGRAPH REF		
K8- 1	K10- 1	B 54	REF CKT 3.2 KC LO		
K8- 2	K7- 4	B 45	REF CKT ISS SIGNAL HI		
K8- 3	J14-40	B 82	+28 VDC CH 5 ISS REF CONT		
K8- 4	K6- 4	B 36	REF CKT 800 CPS ISS HI		
K8- 4	J14- 2	B 37	800 CPS ISS HI FOR OSCILLOGRAPH REF		
K8- 5	J14- 4	B 50	3.2 KC HI FOR OSCILLOGRAPH REF		
K8- 5	K10- 5	B 157	REF CKT 3.2 KC HI		
K8- 6	K7- 8	B 22	REF CKT ISS SIGNAL LO		
K8- 7	K9- 7	B 67	28 VDC LO		
K8- 7	K7- 7	B 68	28 VDC LO		
K8- 8	J14- 1	B 1	800 CPS LO FOR OSCILLOGRAPH REF		
K8- 8	K6- 8	B 2	REF CKT 800 CPS LO		

K9 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K9- 1	K7- 1	B 165	REF CKT OPT SIGNAL LO		
K9- 1	K11- 1	B 166	REF CKT 800 CPS LO		
K9- 2	J15-31	B 27	CH 4 REF HI		
K9- 3	J15-29	B 85	+28 VDC CH 4 OPT REF CONT		
K9- 4	K10- 2	B 46	REF CKT ISS SIGNAL HI		
K9- 5	J14- 5	B 170	800 CPS OPT HI FOR OSCILLOGRAPH REF		
K9- 5	K11- 5	B 174	REF CKT 800 CPS OPT SIGNAL HI		
K9- 6	J15-30	B 26	CH 4 REF LO		
K9- 7	K10- 7	B 66	28 VDC LO		
K9- 7	K8- 7	B 67	28 VDC LO		
K9- 8	K10- 6	B 25	REF CKT ISS SIGNAL LO		

K10 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K10- 1	K8- 1	B 54	REF CKT 3.2 KC LO		
K10- 1	K12- 1	B 55	REF CKT 800 CPS LO		
K10- 2	K9- 4	B 46	REF CKT ISS SIGNAL HI		
K10- 3	J15-28	B 84	+28 VDC CH 4 ISS REF CONT		
K10- 4	K12- 4	B 38	REF CKT 800 CPS ISS HI		
K10- 4	J14- 2	B 178	800 CPS ISS HI FOR OSCILLOGRAPH REF		
K10- 5	K8- 5	B 157	REF CKT 3.2 KC HI		
K10- 5	K12- 5	B 158	REF CKT 3.2 KC HI		
K10- 6	K9- 8	B 25	REF CKT ISS SIGNAL LO		
K10- 7	K11- 7	B 65	28 VDC LO		
K10- 7	K9- 7	B 66	28 VDC LO		
K10- 8	J14- 1	B 5	800 CPS LO FOR OSCILLOGRAPH REF		
K10- 8	K12- 8	B 6	REF CKT 800 CPS LO		

K5 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K5- 1	K3- 1	B 163	REF CKT 800 CPS LO		
K5- 1	K7- 1	B 164	REF CKT 800 CPS LO		
K5- 2	J14-32	B 21	CH 6 REF HI		
K5- 3	J14-30	B 81	+28 VDC CH 6 OPT REF CONT		
K5- 4	K6- 2	B 44	REF CKT ISS SIGNAL HI		
K5- 5	K3- 5	B 172	REF CKT OPT SIGNAL HI		
K5- 5	K7- 5	B 173	REF CKT 800 CPS OPT HI		
K5- 6	J14-31	B 20	CH 6 REF LO		
K5- 7	K6- 7	B 70	28 VDC LO		
K5- 7	K4- 7	B 71	28 VDC LO		
K5- 8	K6- 6	B 19	REF CKT ISS SIGNAL LO		

K6 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K6- 1	K4- 1	B 52	REF CKT 3.2 KC LO		
K6- 1	J14- 3	B 53	3.2 KC LO FOR OSCILLOGRAPH REF		
K6- 2	K5- 4	B 44	REF CKT ISS SIGNAL HI		
K6- 3	J14-29	B 80	+28 VDC CH 6 ISS REF CONT		
K6- 4	K4- 4	B 35	REF CKT 800 CPS ISS HI		
K6- 4	K8- 4	B 36	REF CKT 800 CPS ISS HI		
K6- 5	K4- 5	B 155	REF CKT 3.2 KC HI		
K6- 5	J14- 4	B 156	3.2 KC HI FOR OSCILLOGRAPH REF		
K6- 6	K5- 8	B 19	REF CKT ISS SIGNAL LO		
K6- 7	K7- 7	B 69	28 VDC LO		
K6- 7	K5- 7	B 70	28 VDC LO		
K6- 8	K8- 8	B 2	REF CKT 800 CPS LO		
K6- 8	K4- 8	B 3	REF CKT 800 CPS LO		

K11 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K11- 1	K9- 1	B 166	REF CKT 800 CPS LO		
K11- 1	K13- 1	B 167	REF CKT 800 CPS LO		
K11- 2	J15-42	B 30	CH 3 REF HI		
K11- 3	J15-40	B 87	+28 VDC CH 3 OPT REF CONT		
K11- 4	K12- 2	B 47	REF CKT ISS SIGNAL HI		
K11- 5	K9- 5	B 174	REF CKT 800 CPS OPT SIGNAL HI		
K11- 5	K13- 5	B 175	REF CKT 800 CPS OPT HI		
K11- 6	J15-41	B 29	CH 3 REF LO		
K11- 7	K12- 7	B 64	28 VDC LO		
K11- 7	K10- 7	B 65	28 VDC LO		
K11- 8	K12- 6	B 28	REF CKT ISS SIGNAL LO		

K12 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
K12- 1	K10- 1	B 55	REF CKT 800 CPS LO		
K12- 1	K14- 1	B 56	REF CKT 3.2 KC LO		
K12- 2	K11- 4	B 47	REF CKT ISS SIGNAL HI		
K12- 3	J15-39	B 86	+28 VDC CH 3 ISS REF CONT		
K12- 4	K10- 4	B 38	REF CKT 800 CPS ISS HI		
K12- 4	K14- 4	B 39	REF CKT 800 CPS ISS HI		
K12- 5	K10- 5	B 158	REF CKT 3.2 KC HI		
K12- 5	K14- 5	B 159	REF CKT 3.2 KC HI		
K12- 6	K11- 8	B 28	REF CKT ISS SIGNAL LO		
K12- 7	K13- 7	B 63	28 VDC LO		
K12- 7	K11- 7	B 64	28 VDC LO		
K12- 8	K10- 8	B 6	REF CKT 800 CPS LO		
K12- 8	K14- 8	B 7	REF CKT 800 CPS LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

(CONT.) K24 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION
K24- 8	J15-56	B 152	CH 1 AC SIGNALS LO

K25 RELAY ARMATURE P/N 1015837-001, FIG. 15

FROM	TO	LEAD NO	CIRCUIT FUNCTION
K25-1	J1-PP	A 401	+ 28 VDC HI
K25-2	J1-NN	A 400	28 VDC LO
K25-3	T4-3	A 397R	800 CPS TO BUFF AMPL CAL HI
K25-3	K25-9	A 410	800 CPS TO BUFF AMPL CAL HI
K25-4	J12-H	A 396R	800 CPS 0 DEGREE OPT BUFF INPUT HI
K25-5	J1-E	A 227R	800 CPS 0 DEGREE OPT BUFF INPUT HI
K25-6	J1-B	A 210L	800 CPS 0 DEGREE ISS BUFF INPUT LO
K25-6	T4-4	A 397L	800 CPS 0 DEGREE BUFF INPUT CAL LO
K25-7	J12-J	A 396L	800 CPS 0 DEGREE OPT BUFF INPUT LO
K25-7	J1-D	A 227L	800 CPS 0 DEGREE OPT BUFF INPUT LO
K25-9	K25-3	A 410	800 CPS TO BUFF AMPL CAL HI
K25-6	J9-J	A 395L	800 CPS 0 DEGREE ISS BUFF INPUT LO
K25-10	J9-H	A 395R	800 CPS 0 DEGREE ISS BUFF INPUT HI
K25-11	J1-C	A 210R	800 CPS 0 DEGREE ISS BUFF INPUT HI
K25-12	J1-M	A 394R	3.2 KC 2V 0.2 PERCENT CAL OUPT HI
K25-13	J10-H	A 393R	3.2 KC ISS A/B HI
K25-14	J1-G	A 4R	3.2 KC ISS A/B HI
K25-15	J1-N	A 394L	3.2 KC 2V 0.2 PERCENT CAL OUPT LO
K25-16	J10-J	A 393L	3.2 KC ISS A/B LO
K25-17	J1-F	A 4L	3.2 KC ISS A/B LO
K25-18	E54	A 404	+28 VDC HI
K25-19	J10-K	A 403	SERIES 100 STATUS TCL
K25-20	J1-CC	A 402	SERIES 100 STATUS TCL

SIZE A	CODE IDENT NO. 99974	2900901
SCALE-NONE	REV LTR A	SHEET 82 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

P1 (A1J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION
P1- 1	J7-KK	A 208R	CH 1 POS 15 HI - AC
P1- 2	J7-HH	A 207R	CH 1 POS 13 HI AC
P1- 3	J7-Y*	A 202R	CH 1 POS 12 HI - AC
P1- 4	J7-W*	A 201R	CH 1 POS 11 HI - AC
P1- 5	J7-H*	A 195R	CH 1 POS 10 HI AC
P1- 6	J7-F*	A 194R	CH 1 POS 8 HI AC
P1- 7	J7-X*	A 201L	CH 1 POS 11 LO - AC
P1- 8	J7-Z*	A 202L	CH 1 POS 12 LO - AC
P1- 9	J7-JJ	A 207L	CH 1 POS 13 LO - AC
P1-10	J7-LL	A 208L	CH 1 POS 15 LO - AC
P1-12	S8- 2A	A 241R	CH 1 OUPT TO SCOPE B HI
P1-12	P10-58	A 242R	CH 1 SW AC HI TO INTLK RELAY
P1-16	S8- 2B	A 241L	CH 1 OUPT TO SCOPE B LO
P1-16	P10-56	A 242L	CH 1 SW AC LO TO INTLK RELAY
P1-17	J7-G*	A 194L	CH 1 POS 8 LO AC
P1-18	J7-J*	A 195L	CH 1 POS 10 LO AC
P1-22	P10-57	A 243R	CH 1 SW DC HI TO INTLK RELAY NOT USED
P1-26	P10-62	A 244	CH 1 SW TO OPT REF RELAY
P1-27	J4-Y	A 101	CH 1 AUX ISS REF CONT
P1-28	P10-55	A 243L	CH 1 SW DC LO TO INTLK RELAY NOT USED
P1-32	P10-61	A 245	CH 1 SW TO ISS REF RELAY
P1-33	J4-Z	A 102	CH 1 AUX OPT REF CONT
P1-34	E52	A 367	+28 VDC
P1-35	J1-U*	A 26	CH 1 POS 1 REF CONT
P1-52	J7-E*	A 193L	CH 1 POS 7 LO AC
P1-53	J7-C*	A 192L	CH 1 POS 6 LO AC
P1-54	J7-L	A 185L	CH 1 POS 5 LO - AC
P1-55	J7-J	A 184L	CH 1 POS 4 LO AC
P1-56	J7-G	A 183L	CH 1 POS 3 LO AC
P1-57	J7-E	A 182L	CH 1 POS 2 LO AC
P1-58	J7-C	A 181L	CH 1 POS 1 LO AC
P1-60	J7-B	A 181R	CH 1 POS 1 HI - AC

SIZE A	CODE IDENT NO. 99974	2900901
SCALE-NONE	REV LTR A	SHEET 83 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

(CONT.) K22 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION
K22- 4	J15-36	B 139	CH 3 AC SIGNALS HI
K22- 5	J15-35	B 135	CH 3 DC SIGNALS HI
K22- 6	J15-37	B 136	CH 3 OUPT LO
K22- 7	J15-32	B 133	CH 3 DC INTLK
K22- 8	J15-34	B 138	CH 3 AC SIGNALS LO

K23 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION
K23- 1	J15-44	B 141	CH 2 DC SIGNALS LO
K23- 2	J15-49	B 144	CH 2 OUPT HI
K23- 3	K22- 3	B 95	+28 VDC INTLK RELAYS
K23- 3	K24- 3	B 96	+28 VDC INTLK RELAYS
K23- 4	J15-47	B 146	CH 2 AC SIGNALS HI
K23- 5	J15-46	B 142	CH 2 DC SIGNALS HI
K23- 6	J15-48	B 143	CH 2 OUPT LO
K23- 7	J15-43	B 140	CH 2 DC INTLK
K23- 8	J15-45	B 145	CH 2 AC SIGNALS LO

K24 RELAY-ARMATURE P/N 1015802-004 FIG 12

FROM	TO	LEAD NO	CIRCUIT FUNCTION
K24- 1	J15-55	B 148	CH 1 DC SIGNALS LO
K24- 2	J15-60	B 151	CH 1 OUPT HI
K24- 3	K23- 3	B 96	+28 VDC INTLK RELAYS
K24- 3	J15-66	B 97	CH 1 DC INTLK
K24- 4	J15-58	B 153	CH 1 AC SIGNALS HI
K24- 5	J15-57	B 149	CH 1 DC SIGNALS HI
K24- 6	J15-59	B 150	CH 1 OUPT LO
K24- 7	J15-54	B 147	CH 1 DC INTLK

SIZE A	CODE IDENT NO. 99974	2900901
SCALE-NONE	REV LTR A	SHEET 81 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE

(CONT.) P1 (A1J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION
P1-61	J7-D	A 182R	CH 1 POS 2 HI AC
P1-62	J7-F	A 183R	CH 1 POS 3 HI AC
P1-63	J7-H	A 184R	CH 1 POS 4 HI AC
P1-64	J7-K	A 185R	CH 1 POS 5 HI - AC
P1-65	J7-B*	A 192R	CH 1 POS 6 HI AC
P1-66	J7-D*	A 193R	CH 1 POS 7 HI AC

P2 (A2J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION
P2- 1	J7-MM	A 209R	CH 2 POS 15 HI - AC
P2- 2	J7-FF	A 206R	CH 2 POS 13 HI AC
P2- 3	J7-DD	A 205R	CH 2 POS 12 HI AC
P2- 4	J7-BB	A 204R	CH 2 POS 11 HI AC
P2- 5	J7-U*	A 200R	CH 2 POS 10 HI - AC
P2- 6	J7-S*	A 199R	CH 2 POS 8 HI - AC
P2- 7	J7-CC	A 204L	CH 2 POS 11 LO AC
P2- 8	J7-EE	A 205L	CH 2 POS 12 LO AC
P2- 9	J7-GG	A 206L	CH 2 POS 13 LO AC
P2-10	J7-NN	A 209L	CH 2 POS 15 LO - AC
P2-12	S8- 3A	A 246R	CH 2 OUPT TO SCOPE B HI
P2-12	P10-47	A 247R	CH 2 SW AC HI TO INTLK RELAY
P2-16	S8- 3B	A 246L	CH 2 OUPT TO SCOPE B LO
P2-16	P10-45	A 247L	CH 2 SW AC LO TO INTLK RELAY
P2-17	J7-T*	A 199L	CH 2 POS 8 LO - AC
P2-18	J7-V*	A 200L	CH 2 POS 10 LO - AC
P2-22	P10-46	A 248R	CH 2 SW DC HI TO INTLK RELAY NOT USED
P2-26	P10-51	A 249	+28 VDC CH 2 OPT REF CONT
P2-27	J4-I*	A 107	CH 2 AUX ISS REF CONT
P2-28	P10-44	A 248L	CH 2 SW DC LO TO INTLK RELAY NOT USED
P2-32	P10-50	A 250	+28 VDC CH 2 ISS REF CONT

SIZE A	CODE IDENT NO. 99974	2900901
SCALE-NONE	REV LTR A	SHEET 84 OF 131

(CONT.) P3 (A3J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P3-12	P10-36	A 252R	CH 3 SW AC HI TO INTLK RELAY		
P3-13	J4-BB	A 114R	CH 3 POS 11 HI - DC		
P3-16	S8- 4B	A 251L	CH 3 OUPT TO SCOPE B LO		
P3-16	P10-34	A 252L	CH 3 SW AC LO TO INTLK RELAY		
P3-17	J4-G*	A 105L	CH 3 POS 8 LO - AC		
P3-18	J4-J*	A 106L	CH 3 POS 10 LO - AC		
P3-19	J4-EE	A 115L	CH 3 POS 14 LO - DC		
P3-20	J4-NN	A 119L	CH 3 POS 15 LO - DC		
P3-22	P10-35	A 253R	CH 3 SW DC HI TO INTLK RELAY		
P3-23	J4-MM	A 119R	CH 3 POS 15 HI - DC		
P3-24	J4-DD	A 115R	CH 3 POS 14 HI - DC		
P3-26	P10-40	A 254	+28 VDC CH 3 OPT REF CONT		
P3-27	J3-Y	A 71	CH 3 AUX ISS REF CONT		
P3-28	P10-33	A 253L	CH 3 SW DC LO TO INTLK RELAY		
P3-30	J4-CC	A 114L	CH 3 POS 11 LO - DC		
P3-32	P10-39	A 255	+28 VDC CH 3 ISS REF CONT		
P3-33	J3-Z	A 72	CH 4 AUX OPT REF CONT		
P3-34	E52	A 369	+28 VDC		
P3-36	J4-R*	A 110L	CH 3 POS 7 LO - DC		
P3-37	J4-N*	A 109L	CH 3 POS 6 LO - DC		
P3-38	J4-X	A 100L	CH 3 POS 5 LO - DC		
P3-39	J4-V	A 99L	CH 3 POS 4 LO - DC		
P3-40	J4-T	A 98L	CH 3 POS 3 LO - DC		
P3-41	J4-R	A 97L	CH 3 POS 2 LO - DC		
P3-42	J4-N	A 96L	CH 3 POS 1 LO - DC		
P3-44	J4-M	A 96R	CH 3 POS 1 HI - DC		
P3-45	J4-P	A 97R	CH 3 POS 2 HI - DC		
P3-46	J4-S	A 98R	CH 3 POS 3 HI - DC		
P3-47	J4-U	A 99R	CH 3 POS 4 HI - DC		
P3-48	J4-W	A 100R	CH 3 POS 5 HI - DC		
P3-49	J4-M*	A 109R	CH 3 POS 6 HI - DC		
P3-50	J4-P*	A 110R	CH 3 POS 7 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 86 OF 131

(CONT.) P3 (A3J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P3-52	J4-E*	A 104L	CH 3 POS 7 LO - AC		
P3-53	J4-C*	A 103L	CH 3 POS 6 LO - AC		
P3-54	J4-L	A 95L	CH 3 POS 5 LO - AC		
P3-55	J4-J	A 94L	CH 3 POS 4 LO - AC		
P3-56	J4-G	A 93L	CH 3 POS 3 LO - AC		
P3-57	J4-E	A 92L	CH 3 POS 2 LO - AC		
P3-58	J4-C	A 91L	CH 3 POS 1 LO - AC		
P3-60	J4-B	A 91R	CH 3 POS 1 HI - AC		
P3-61	J4-D	A 92R	CH 3 POS 2 HI - AC		
P3-62	J4-F	A 93R	CH 3 POS 3 HI - AC		
P3-63	J4-H	A 94R	CH 3 POS 4 HI - AC		
P3-64	J4-K	A 95R	CH 3 POS 5 HI - AC		
P3-65	J4-B*	A 103R	CH 3 POS 6 HI - AC		
P3-66	J4-D*	A 104R	CH 3 POS 7 HI - AC		

P4 (A4J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P4- 1	J3-KK	A 89R	CH 4 POS 15 HI - AC		
P4- 2	J3-HH	A 88R	CH 4 POS 13 HI - AC		
P4- 3	J3-Y*	A 84R	CH 4 POS 12 HI - AC		
P4- 4	J3-W*	A 83R	CH 4 POS 11 HI - AC		
P4- 5	J3-H*	A 76R	CH 4 POS 10 HI - AC		
P4- 6	J3-F*	A 75R	CH 4 POS 8 HI - AC		
P4- 7	J3-X*	A 83L	CH 4 POS 11 LO - AC		
P4- 8	J3-Z*	A 84L	CH 4 POS 12 LO - AC		
P4- 9	J3-JJ	A 88L	CH 4 POS 13 LO - AC		
P4-10	J3-LL	A 89L	CH 4 POS 15 LO - AC		
P4-12	S8- 5A	A 256R	CH 4 OUPT TO SCOPE B HI		
P4-12	P10-25	A 257R	CH 4 SW AC HI TO INTLK RELAY		
P4-13	J3-BB	A 85R	CH 4 POS 11 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 87 OF 131

(CONT.) P2 (A2J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P2-33	J4-K*	A 108	CH 2 AUX OPT REF CONT		
P2-34	E52	A 368	+28 VDC		
P2-52	J7-R*	A 198L	CH 2 POS 7 LO - AC		
P2-53	J7-N*	A 197L	CH 2 POS 6 LO - AC		
P2-54	J7-X	A 190L	CH 2 POS 5 LO - AC		
P2-55	J7-V	A 189L	CH 2 POS 4 LO - AC		
P2-56	J7-T	A 188L	CH 2 POS 3 LO - AC		
P2-57	J7-R	A 187L	CH 2 POS 2 LO - AC		
P2-58	J7-N	A 186L	CH 2 POS 1 LO - AC		
P2-60	J7-M	A 186R	CH 2 POS 1 HI - AC		
P2-61	J7-P	A 187R	CH 2 POS 2 HI - AC		
P2-62	J7-S	A 188R	CH 2 POS 3 HI - AC		
P2-63	J7-U	A 189R	CH 2 POS 4 HI - AC		
P2-64	J7-W	A 190R	CH 2 POS 5 HI - AC		
P2-65	J7-M*	A 197R	CH 2 POS 6 HI - AC		
P2-66	J7-P*	A 198R	CH 2 POS 7 HI - AC		

P3 (A3J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P3- 1	J4-KK	A 118R	CH 3 POS 15 HI - AC		
P3- 2	J4-HH	A 117R	CH 3 POS 13 HI - AC		
P3- 3	J4-Y*	A 113R	CH 3 POS 12 HI - AC		
P3- 4	J4-W*	A 112R	CH 3 POS 11 HI - AC		
P3- 5	J4-H*	A 106R	CH 3 POS 10 HI - AC		
P3- 6	J4-F*	A 105R	CH 3 POS 8 HI - AC		
P3- 7	J4-X*	A 112L	CH 3 POS 11 LO - AC		
P3- 8	J4-Z*	A 113L	CH 3 POS 12 LO - AC		
P3- 9	J4-JJ	A 117L	CH 3 POS 13 LO - AC		
P3-10	J4-LL	A 118L	CH 3 POS 15 LO - AC		
P3-12	S8- 4A	A 251R	CH 3 OUPT TO SCOPE B HI		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 85 OF 131

(CONT.) P4 (A4J1) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P4-14	J3-S*	A 81R	CH 4 POS 9 HI - DC		
P4-16	S8- 5B	A 256L	CH 4 OUPT TO SCOPE B LO		
P4-16	P10-23	A 257L	CH 4 SW AC LO TO INTLK RELAY		
P4-17	J3-G*	A 75L	CH 4 POS 8 LO - AC		
P4-18	J3-J*	A 76L	CH 4 POS 10 LO - AC		
P4-19	J3-EE	A 86L	CH 4 POS 14 LO - DC		
P4-20	J3-NN	A 90L	CH 4 POS 15 LO - DC		
P4-22	P10-24	A 258R	CH 4 SW DC HI TO INTLK RELAY		
P4-23	J3-MM	A 90R	CH 4 POS 15 HI - DC		
P4-24	J3-DD	A 86R	CH 4 POS 14 HI - DC		
P4-26	P10-28	A 259	+28 VDC CH 4 ISS REF CONT		
P4-27	J3-I*	A 77	CH 4 AUX ISS REF CONT		
P4-28	P10-22	A 258L	CH 4 SW DC LO TO INTLK RELAY		
P4-29	J3-T*	A 81L	CH 4 POS 9 LO - DC		
P4-30	J3-CC	A 85L	CH 4 POS 11 LO - DC		
P4-32	P10-29	A 260	+28 VDC CH 4 OPT REF CONT		
P4-33	J3-K*	A 78	CH 4 AUX OPT REF CONT		
P4-34	E53	A 374	+28 VDC		
P4-36	J3-R*	A 80L	CH 4 POS 7 LO - DC		
P4-37	J3-N*	A 79L	CH 4 POS 6 LO - DC		
P4-38	J3-X	A 70L	CH 4 POS 5 LO - DC		
P4-39	J3-V	A 69L	CH 4 POS 4 LO - DC		
P4-40	J3-T	A 68L	CH 4 POS 3 LO - DC		
P4-41	J3-R	A 67L	CH 4 POS 2 LO - DC		
P4-42	J3-N	A 66L	CH 4 POS 1 LO - DC		
P4-44	J3-M	A 66R	CH 4 POS 1 HI - DC		
P4-45	J3-P	A 67R	CH 4 POS 2 HI - DC		
P4-46	J3-S	A 68R	CH 4 POS 3 HI - DC		
P4-47	J3-U	A 69R	CH 4 POS 4 HI - DC		
P4-48	J3-W	A 70R	CH 4 POS 5 HI - DC		
P4-49	J3-M*	A 79R	CH 4 POS 6 HI - DC		
P4-50	J3-P*	A 80R	CH 4 POS 7 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 88 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P5	(A5J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P5-14	J6-S*	A 170R	CH 5 POS 9 HI - DC		
P5-16	S8- 6B	A 261L	CH 5 OUPT TO SCOPE B LO		
P5-16	P9-46	A 262L	CH 5 SW AC LO TO INTLK RELAY		
P5-17	J6-G*	A 164L	CH 5 POS 8 LO - AC		
P5-18	J6-J*	A 165L	CH 5 PCS 10 LO - AC		
P5-19	J6-EE	A 175L	CH 5 POS 14 LO - DC		
P5-20	J6-NN	A 179L	CH 5 POS 15 LO - DC		
P5-22	P9-47	A 263R	CH 5 SW DC HI TO INTLK RELAY		
P5-23	J6-MM	A 179R	CH 5 POS 15 HI - DC		
P5-24	J6-DD	A 175R	CH 5 POS 14 HI - DC		
P5-26	P9-41	A 264	+28 VDC CH 5 OPT REF CONT		
P5-27	J5-Y	A 130	CH 5 AUX ISS REF CONT		
P5-28	P9-45	A 263L	CH 5 SW DC LO TO INTLK RELAY		
P5-29	J6-T*	A 170L	CH 5 POS 9 LO - DC		
P5-30	J6-CC	A 174L	CH 5 POS 11 LO - DC		
P5-32	P9-40	A 265	+28 VDC CH 5 ISS REF CONT		
P5-33	J5-Z	A 131	CH 5 AUX OPT REF CONT		
P5-34	E52	A 370	+28 VDC		
P5-36	J6-R*	A 169L	CH 5 POS 7 LO - DC		
P5-37	J6-N*	A 168L	CH 5 POS 6 LO - DC		
P5-38	J6-X	A 159L	CH 5 POS 5 LO - DC		
P5-39	J6-V	A 158L	CH 5 POS 4 LO - DC		
P5-40	J6-T	A 157L	CH 5 POS 3 LO - DC		
P5-41	J6-R	A 156L	CH 5 POS 2 LO - DC		
P5-42	J6-N	A 155L	CH 5 POS 1 LO - DC		
P5-44	J6-M	A 155R	CH 5 POS 1 HI - DC		
P5-45	J6-P	A 156R	CH 5 POS 2 HI - DC		
P5-46	J6-S	A 157R	CH 5 POS 3 HI - DC		
P5-47	J6-U	A 158R	CH 5 POS 4 HI - DC		
P5-48	J6-W	A 159R	CH 5 POS 5 HI - DC		
P5-49	J6-M*	A 168R	CH 5 POS 6 HI - DC		
P5-50	J6-P*	A 169R	CH 5 POS 7 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 90 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P5	(A5J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P5-52	J6-E*	A 163L	CH 5 POS 7 LO - AC		
P5-53	J6-C*	A 162L	CH 5 POS 6 LO - AC		
P5-54	J6-L	A 154L	CH 5 POS 5 LO - AC		
P5-55	J6-J	A 153L	CH 5 POS 4 LO - AC		
P5-56	J6-G	A 152L	CH 5 POS 3 LO - AC		
P5-57	J6-E	A 151L	CH 5 POS 2 LO - AC		
P5-58	J6-C	A 150L	CH 5 POS 1 LO - AC		
P5-60	J6-B	A 150R	CH 5 POS 1 HI - AC		
P5-61	J6-D	A 151R	CH 5 POS 2 HI - AC		
P5-62	J6-F	A 152R	CH 5 POS 3 HI - AC		
P5-63	J6-H	A 153R	CH 5 POS 4 HI - AC		
P5-64	J6-K	A 154R	CH 5 POS 5 HI - AC		
P5-65	J6-B*	A 162R	CH 5 POS 6 HI - AC		
P5-66	J6-D*	A 163R	CH 5 POS 7 HI - AC		
P6	(A6J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P6- 1	J5-KK	A 148R	CH 6 POS 15 HI - AC		
P6- 2	J5-HH	A 147R	CH 6 POS 13 HI - AC		
P6- 3	J5-Y*	A 143R	CH 6 POS 12 HI - AC		
P6- 4	J5-W*	A 142R	CH 6 POS 11 HI - AC		
P6- 5	J5-H*	A 135R	CH 6 POS 10 HI - AC		
P6- 6	J5-F*	A 134R	CH 6 POS 8 HI - AC		
P6- 7	J5-X*	A 142L	CH 6 POS 11 LO - AC		
P6- 8	J5-Z*	A 143L	CH 6 POS 12 LO - AC		
P6- 9	J5-JJ	A 147L	CH 6 POS 13 LO - AC		
P6-10	J5-LL	A 148L	CH 6 POS 15 LO - AC		
P6-12	S8- 7A	A 266R	CH 6 OUPT TO SCOPE B HI		
P6-12	P9-37	A 267R	CH 6 SW AC HI TO INTLK RELAY		
P6-13	J5-BB	A 144R	CH 6 POS 11 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 91 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P4	(A4J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P4-52	J3-E*	A 74L	CH 4 POS 7 LO - AC		
P4-53	J3-C*	A 73L	CH 4 PCS 6 LO - AC		
P4-54	J3-L	A 65L	CH 4 POS 5 LO - AC		
P4-55	J3-J	A 64L	CH 4 POS 4 LO - AC		
P4-56	J3-G	A 63L	CH 4 POS 3 LO - AC		
P4-57	J3-E	A 62L	CH 4 POS 2 LO - AC		
P4-58	J3-C	A 61L	CH 4 POS 1 LO - AC		
P4-60	J3-B	A 61R	CH 4 POS 1 HI - AC		
P4-61	J3-D	A 62R	CH 4 POS 2 HI - AC		
P4-62	J3-F	A 63R	CH 4 POS 3 HI - AC		
P4-63	J3-H	A 64R	CH 4 POS 4 HI - AC		
P4-64	J3-K	A 65R	CH 4 POS 5 HI - AC		
P4-65	J3-B*	A 73R	CH 4 POS 6 HI - AC		
P4-66	J3-D*	A 74R	CH 4 POS 7 HI - AC		
P5	(A5J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P5- 1	J6-KK	A 178R	CH 5 POS 15 HI - AC		
P5- 2	J6-HH	A 177R	CH 5 PCS 13 HI - AC		
P5- 3	J6-Y*	A 173R	CH 5 POS 12 HI - AC		
P5- 4	J6-W*	A 172R	CH 5 POS 11 HI - AC		
P5- 5	J6-H*	A 165R	CH 5 PCS 10 HI - AC		
P5- 6	J6-F*	A 164R	CH 5 POS 8 HI - AC		
P5- 7	J6-X*	A 172L	CH 5 POS 11 LO - AC		
P5- 8	J6-Z*	A 173L	CH 5 POS 12 LO - AC		
P5- 9	J6-JJ	A 177L	CH 5 POS 13 LO - AC		
P5-10	J6-LL	A 178L	CH 5 POS 15 LO - AC		
P5-12	S8- 6A	A 261R	CH 5 OUPT TO SCOPE B HI		
P5-12	P9-48	A 262R	CH 5 SW AC HI TO INTLK RELAY		
P5-13	J6-BB	A 174R	CH 5 POS 11 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 89 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P6	(A6J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P6-14	J5-S*	A 140R	CH 6 POS 9 HI - DC		
P6-16	S8- 7B	A 266L	CH 6 OUPT TO SCOPE B LO		
P6-16	P9-35	A 267L	CH 6 SW AC LO TO INTLK RELAY		
P6-17	J5-G*	A 134L	CH 6 POS 8 LO - AC		
P6-18	J5-J*	A 135L	CH 6 POS 10 LO - AC		
P6-19	J5-EE	A 145L	CH 6 POS 14 LO - DC		
P6-20	J5-NN	A 149L	CH 6 POS 15 LO - DC		
P6-22	P9-36	A 268R	CH 6 SW DC HI TO INTLK RELAY		
P6-23	J5-MM	A 149R	CH 6 POS 15 HI - DC		
P6-24	J5-DD	A 145R	CH 6 POS 14 HI - DC		
P6-26	P9-30	A 269	+28 VDC CH 6 OPT REF CONT		
P6-27	J5-I*	A 136	CH 6 AUX ISS REF CONT		
P6-28	P9-34	A 268L	CH 6 SW DC LO TO INTLK RELAY		
P6-29	J5-T*	A 140L	CH 6 POS 9 LO - DC		
P6-30	J5-CC	A 144L	CH 6 POS 11 LO - DC		
P6-32	P9-29	A 270	+28 VDC CH 6 ISS REF CONT		
P6-33	J5-K*	A 137	CH 6 AUX OPT REF CONT		
P6-34	E52	A 371	+28 VDC		
P6-36	J5-R*	A 139L	CH 6 POS 7 LO - DC		
P6-37	J5-N*	A 138L	CH 6 POS 6 LO - DC		
P6-38	J5-X	A 129L	CH 6 POS 5 LO - DC		
P6-39	J5-V	A 128L	CH 6 POS 4 LO - DC		
P6-40	J5-T	A 127L	CH 6 POS 3 LO - DC		
P6-41	J5-R	A 126L	CH 6 POS 2 LO - DC		
P6-42	J5-N	A 125L	CH 6 POS 1 LO - DC		
P6-44	J5-M	A 125R	CH 6 POS 1 HI - DC		
P6-45	J5-P	A 126R	CH 6 POS 2 HI - DC		
P6-46	J5-S	A 127R	CH 6 POS 3 HI - DC		
P6-47	J5-U	A 128R	CH 6 POS 4 HI - DC		
P6-48	J5-W	A 129R	CH 6 POS 5 HI - DC		
P6-49	J5-M*	A 138R	CH 6 POS 6 HI - DC		
P6-50	J5-P*	A 139R	CH 6 POS 7 HI - DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 92 OF 131

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P6	(A6J1)		CONNECTCR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P6-52	J5-E*	A 133L	CH 6 POS 7 LO - AC		
P6-53	J5-C*	A 132L	CH 6 POS 6 LO - AC		
P6-54	J5-L	A 124L	CH 6 POS 5 LO - AC		
P6-55	J5-J	A 123L	CH 6 POS 4 LO - AC		
P6-56	J5-G	A 122L	CH 6 POS 3 LO - AC		
P6-57	J5-E	A 121L	CH 6 POS 2 LO - AC		
P6-58	J5-C	A 120L	CH 6 POS 1 LO - AC		
P6-60	J5-B	A 120R	CH 6 POS 1 HI - AC		
P6-61	J5-D	A 121R	CH 6 POS 2 HI - AC		
P6-62	J5-F	A 122R	CH 6 POS 3 HI - AC		
P6-63	J5-H	A 123R	CH 6 POS 4 HI - AC		
P6-64	J5-K	A 124R	CH 6 POS 5 HI - AC		
P6-65	J5-B*	A 132R	CH 6 POS 6 HI - AC		
P6-66	J5-D*	A 133R	CH 6 POS 7 HI - AC		
P7	(A7J1)		CONNECTCR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P7-12	S8- 8A	A 271R	CH 7 OUPT TO SCOPE B HI		
P7-12	P9-26	A 272R	CH 7 SW AC HI TO INTLK RELAY NCT USED		
P7-13	J2-W*	A 53R	CH 7 POS 11 - HI		
P7-14	J2-F*	A 47R	CH 7 POS 9 - HI		
P7-16	S8- 8B	A 271L	CH 7 OUPT TO SCOPE B LO		
P7-16	P9-24	A 272L	CH 7 SW AC LO TO INTLK RELAY NCT USED		
P7-19	J2-JJ	A 58L	CH 7 POS 14 - LO		
P7-20	J2-LL	A 59L	CH 7 POS 15 - LO		
P7-22	P9-25	A 273R	CH 7 SW DC HI TO INTLK RELAY		
P7-23	J2-KK	A 59R	CH 7 POS 15 - HI		
P7-24	J2-HH	A 58R	CH 7 POS 14 - HI		
P7-26	P9-18	A 275	+28 VDC CH 7 ISS REF CONT		
P7-27	J6-Y	A 160	CH 7 AUX ISS REF CONT		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P7	(A7J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P7-28	P9-23	A 273L	CH 7 SW DC LO TO INTLK RELAY		
P7-29	J2-G*	A 47L	CH 7 POS 9 - LO		
P7-30	J2-X*	A 53L	CH 7 POS 11 - LO		
P7-32	P9-19	A 274	+28 VDC CH 7 OPT REF CONT		
P7-33	J6-Z	A 161	CH 7 AUX OPT REF CONT		
P7-34	E52	A 372	+28 VDC		
P7-36	J2-E*	A 46L	CH 7 POS 7 - LO		
P7-37	J2-C*	A 45L	CH 7 POS 6 - LO		
P7-38	J2-L	A 39L	CH 7 POS 5 - LO		
P7-39	J2-J	A 38L	CH 7 POS 4 - LO		
P7-40	J2-G	A 37L	CH 7 POS 3 - LO		
P7-41	J2-E	A 36L	CH 7 POS 2 - LO		
P7-42	J2-C	A 35L	CH 7 POS 1 - LO		
P7-44	J2-B	A 35R	CH 7 POS 1 - HI		
P7-45	J2-D	A 36R	CH 7 POS 2 - HI		
P7-46	J2-F	A 37R	CH 7 POS 3 - HI		
P7-47	J2-H	A 38R	CH 7 POS 4 - HI		
P7-48	J2-K	A 39R	CH 7 POS 5 - HI		
P7-49	J2-B*	A 45R	CH 7 POS 6 - HI		
P7-50	J2-D*	A 46R	CH 7 POS 7 - HI		
P8	(A8J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P8-12	S8- 9A	A 276R	CH 8 OUPT TO SCOPE B HI		
P8-12	P9-15	A 277R	CH 8 SW AC HI TO INTLK RELAY NCT USED		
P8-13	J2-BB	A 55R	CH 8 POS 11 - HI		
P8-14	J2-S*	A 51R	CH 8 POS 9 - HI		
P8-16	S8- 9B	A 276L	CH 8 OUPT TO SCOPE B LO		
P8-16	P9-13	A 277L	CH 8 SW AC LO TO INTLK RELAY NOT USED		
P8-19	J2-EE	A 56L	CH 8 POS 14 - LO		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
(CONT.) P8	(A8J1)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P8-20	J2-NN	A 60L	CH 8 POS 15 - LO		
P8-22	P9-14	A 278R	CH 8 SW DC HI TO INTLK RELAY		
P8-23	J2-MM	A 60R	CH 8 POS 15 - HI		
P8-24	J2-DD	A 56R	CH 8 POS 14 - HI		
P8-26	P9- 6	A 279	+28 VDC CH 8 ISS REF CONT		
P8-27	J6-I*	A 166	CH 8 AUX ISS REF CONT		
P8-28	P9-12	A 278L	CH 8 SW DC LO TO INTLK RELAY		
P8-29	J2-T*	A 51L	CH 8 POS 9 - LO		
P8-30	J2-CC	A 55L	CH 8 POS 11 - LO		
P8-32	P9- 7	A 280	+28 VDC CH 8 OPT REF CONT		
P8-33	J6-K*	A 167	CH 8 AUX OPT REF CONT		
P8-34	E52	A 373	+28 VDC		
P8-36	J2-R*	A 50L	CH 8 POS 7 - LO		
P8-37	J2-N*	A 49L	CH 8 POS 6 - LO		
P8-38	J2-X	A 44L	CH 8 POS 5 - LO		
P8-39	J2-V	A 43L	CH 8 PCS 4 - LO		
P8-40	J2-T	A 42L	CH 8 POS 3 - LO		
P8-41	J2-R	A 41L	CH 8 POS 2 - LO		
P8-42	J2-N	A 40L	CH 8 POS 1 - LO		
P8-44	J2-M	A 40R	CH 8 POS 1 - HI		
P8-45	J2-P	A 41R	CH 8 POS 2 - HI		
P8-46	J2-S	A 42R	CH 8 POS 3 - HI		
P8-47	J2-U	A 43R	CH 8 POS 4 - HI		
P8-48	J2-W	A 44R	CH 8 POS 5 - HI		
P8-49	J2-M*	A 49R	CH 8 POS 6 - HI		
P8-50	J2-P*	A 50R	CH 8 POS 7 - HI		

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P9	(J14)		CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11		
P9- 1	S6SW2-NC	A 281W	800 CPS OPT 0 DEGREE LO GSE		
P9- 2	S3SW2-C	A 282W	800 CPS ISS 0 DEGREE/90 DEGREE HI GSE		
P9- 3	J10-R	A 222L	3.2 KC FOR OSCILLOGRAPH REF LO		
P9- 3	G2- 5	A 283L	3.2 KC TO PH GEN - LO		
P9- 4	J10-P	A 222R	3.2 KC FOR OSCILLOGRAPH REF HI		
P9- 4	G2- 1	A 283R	3.2 KC TO PH GEN - HI		
P9- 5	S3SW1-C	A 284W	800 CPS OPT 0 DEGREE/90 DEGREE HI GSE		
P9- 6	P8-26	A 279	+28 VDC CH 8 ISS REF CONT		
P9- 7	P8-32	A 280	+28 VDC CH 8 OPT REF CONT		
P9- 8	J2-V*	A 52L	REF OUPT TO OSCILLOGRAPH CH 8 - LO		
P9- 9	J2-U*	A 52R	REF OUPT TO OSCILLOGRAPH CH 8 - HI		
P9-11	J1-X	A 14	CH 8 DC INTLK		
P9-12	P8-28	A 278L	CH 8 SW DC LO TO INTLK RELAY		
P9-13	P8-16	A 277L	CH 8 SW AC LO TO INTLK RELAY NOT USED		
P9-14	P8-22	A 278R	CH 8 SW DC HI TO INTLK RELAY		
P9-15	P8-12	A 277R	CH 8 SW AC HI TO INTLK RELAY NCT USED		
P9-16	J2-GG	A 57L	OUPT TO OSCILLOGRAPH CH 7 - LO		
P9-17	J2-FF	A 57R	OUPT TO OSCILLOGRAPH CH 7 - HI		
P9-18	P7-26	A 275	+28 VDC CH 7 ISS REF CONT		
P9-19	P7-32	A 274	+28 VDC CH 7 OPT REF CONT		
P9-20	J2-Z*	A 54L	REF OUPT TO OSCILLOGRAPH CH 7 - LO		
P9-21	J2-Y*	A 54R	REF OUPT TO OSCILLOGRAPH CH 7 - HI		
P9-22	J1-W	A 13	CH 7 DC INTLK		
P9-23	P7-28	A 273L	CH 7 SW DC LO TO INTLK RELAY		
P9-24	P7-16	A 272L	CH 7 SW AC LO TO INTLK RELAY NOT USED		
P9-25	P7-22	A 273R	CH 7 SW DC HI TO INTLK RELAY		
P9-26	P7-12	A 272R	CH 7 SW AC HI TO INTLK RELAY NOT USED		
P9-27	J2-J*	A 48L	OUPT TO OSCILLOGRAPH CH 7 - LO		
P9-28	J2-H*	A 48R	OUPT TO OSCILLOGRAPH CH 7 - HI		
P9-29	P6-32	A 270	+28 VDC CH 6 ISS REF CONT		
P9-30	P6-26	A 269	+28 VDC CH 6 OPT REF CONT		
P9-31	J5-V*	A 141L	REF OUPT TO OSCILLOGRAPH CH 6 - LO		

(CONT.) P10 (J15) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P10-28	P4-26	A 259	+28 VDC CH 4 ISS REF CONT		
P1C-29	P4-32	A 260	+28 VDC CH 4 OPT REF CONT		
P1C-30	J3-V*	A 82L	REF OUPT TO OSCILLOGRAPH CH 4 - LO		
P1C-31	J3-U*	A 82R	REF OUPT TO OSCILLOGRAPH CH 4 - HI		
P10-32	J1-S	A 9	CH 3 DC INTLK		
P1C-33	P3-28	A 253L	CH 3 SW DC LO TO INTLK RELAY		
P1C-34	P3-16	A 252L	CH 3 SW AC LO TO INTLK RELAY		
P10-35	P3-22	A 253R	CH 3 SW DC HI TO INTLK RELAY		
P10-36	P3-12	A 252R	CH 3 SW AC HI TO INTLK RELAY		
P1C-37	J4-GG	A 116L	OUPT TO OSCILLOGRAPH CH 3 LO		
P10-38	J4-FF	A 116R	OUPT TO OSCILLOGRAPH CH 3 HI		
P1C-39	P3-32	A 255	+28 VDC CH 3 ISS REF CONT		
-10-40	-3-26	A 2 4	+28 VDC CH 3 OPT REF CONT		C P DIFFERENT
P10-41	J4-V*	A 111L	REF OUPT TO OSCILLOGRAPH CH 3 LO		
P10-42	J4-U*	A 111R	REF OUPT TO OSCILLOGRAPH CH 3 HI		
P1C-43	J1-R	A 8	CH 2 DC INTLK		
P1C-44	P2-28	A 248L	CH 2 SW DC LO TO INTLK RELAY NOT USED		
P10-45	P2-16	A 247L	CH 2 SW AC LO TO INTLK RELAY		
P1C-46	P2-22	A 248R	CH 2 SW DC HI TO INTLK RELAY NOT USED		
P1C-47	P2-12	A 247R	CH 2 SW AC HI TO INTLK RELAY		
P1C-48	J7-Z	A 191L	OUPT TO CSCILLOGRAPH CH 2 LO		
P1C-49	J7-Y	A 191R	OUPT TO OSCILLOGRAPH CH 2 HI		
P10-50	P2-32	A 250	+28 VDC CH 2 ISS REF CONT		
P10-51	P2-26	A 249	+28 VDC CH 2 OPT REF CONT		
P1C-52	J7-A*	A 180L	REF OUPT TO OSCILLOGRAPH CH 2 LO		
P10-53	J7-A	A 180R	REF OUPT TO OSCILLOGRAPH CH 2 HI		
P1C-54	J1-P	A 7	CH 1 DC INTLK		
P10-55	P1-28	A 243L	CH 1 SW DC LO TO INTLK RELAY NCT USED		
P10-56	P1-16	A 242L	CH 1 SW AC LO TO INTLK RELAY		
P10-57	P1-22	A 243R	CH 1 SW DC HI TO INTLK RELAY NCT USED		
P1C-58	P1-12	A 242R	CH 1 SW AC HI TO INTLK RELAY		
P10-59	J7-K*	A 196L	OUPT TO OSCILLOGRAPH CH 1 LO		

(CONT.) P10 (J15) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P10-60	J7-I*	A 196R	OUPT TO OSCILLOGRAPH CH 1 HI		
P10-61	P1-32	A 245	CH 1 SW TO ISS REF RELAY		
P1C-62	P1-26	A 244	CH 1 SW TO OPT REF RELAY		
P10-63	J7-PP	A 203L	REF OUPT TO OSCILLOGRAPH CH 1 LO		
P1C-64	J7-AA	A 203R	REF OUPT TO OSCILLOGRAPH CH 1 HI		
P10-65	E55	A 385	28 VDC LO		
P10-66	E54	A 381	+28 VDC		

SHIELD GROUND

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
SHLD A2	E2	A 2A	(J9 END)		
SHLD A3	E2	A 3A	(J12 END)		
SHLD A4	E2	A 4A	(J1 END)		
SHLD A5	E2	A 5A	(J1 END)		
SHLD A6	E2	A 6A	(J1 END)		
SHLD A15	E2	A 15A	(J1 END)		
SHLD A16	E2	A 16A	(J1 END)		
SHLD A17	E3	A 17A	(J1 END)		
SHLD A18	E3	A 18A	(J1 END)		
SHLD A27	E3	A 27A	(J1 END)		
SHLD A28	E3	A 28A	(J1 END)		
SHLD A29	E3	A 29A	(J1 END)		
SHLD A30	E3	A 30A	(J1 END)		
SHLD A31	E3	A 31A	(J1 END)		
SHLD A35	E4	A 35A	(J2 END)		
SHLD A36	E4	A 36A	(J2 END)		
SHLD A37	E4	A 37A	(J2 END)		
SHLD A38	E4	A 38A	(J2 END)		
SHLD A39	E4	A 39A	(J2 END)		
SHLD A4C	E4	A 40A	(J2 END)		

(CONT.) P9 (J14) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P9-32	J5-U*	A 141R	REF OUPT TO OSCILLOGRAPH CH 6 HI		
P9-33	J1-V	A 12	CH 6 DC INTLK		
P9-34	P6-28	A 268L	CH 6 SW DC LO TO INTLK RELAY		
P9-35	P6-16	A 267L	CH 6 SW AC LO TO INTLK RELAY		
P9-36	P6-22	A 268R	CH 6 SW DC HI TO INTLK RELAY		
P9-37	P6-12	A 267R	CH 6 SW AC HI TO INTLK RELAY		
P9-38	J5-GG	A 146L	OUPT TO OSCILLOGRAPH CH 6 LO		
P9-39	J5-FF	A 146R	OUPT TO OSCILLOGRAPH CH 6 HI		
P9-40	P5-32	A 265	+28 VDC CH 5 ISS REF CONT		
P9-41	P5-26	A 264	+28 VDC CH 5 OPT REF CONT		
P9-42	J6-V*	A 171L	REF OUPT TO OSCILLOGRAPH CH 5 - LO		
P9-43	J6-U*	A 171R	REF OUPT TO OSCILLOGRAPH CH 5 HI		
P9-44	J1-U	A 11	CH 5 DC INTLK		
P9-45	P5-28	A 263L	CH 5 SW DC LO TO INTLK RELAY		
P9-46	P5-16	A 262L	CH 5 SW AC LO TO INTLK RELAY		
P9-47	P5-22	A 263R	CH 5 SW DC HI TO INTLK RELAY		
P9-48	P5-12	A 262R	CH 5 SW AC HI TO INTLK RELAY		
P9-49	J6-GG	A 176L	OUPT TO OSCILLOGRAPH CH 5 - LO		
P9-50	J6-FF	A 176R	OUPT TO OSCILLOGRAPH CH 5 HI		

P10 (J15) CONNECTOR-PLUG, ELECTRICAL P/N 1015818-660 FIG 11

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
P1C-10	E48	A 353			
P1C-21	J1-T	A 10	CH 4 DC INTLK		
P1C-22	P4-28	A 258L	CH 4 SW DC LO TO INTLK RELAY		
P1C-23	P4-16	A 257L	CH 4 SW AC LO TO INTLK RELAY		
P1C-24	P4-22	A 258R	CH 4 SW DC HI TO INTLK RELAY		
P1C-25	P4-12	A 257R	CH 4 SW AC HI TO INTLK RELAY		
P1C-26	J3-GG	A 87L	OUPT TO OSCILLOGRAPH CH 4 - LO		
P1C-27	J3-FF	A 87R	OUPT TO OSCILLOGRAPH CH 4 - HI		

(CONT.) SHIELD GROUND

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
SHLD A41	E4	A 41A	(J2 END)		
SHLD A42	E5	A 42A	(J2 END)		
SHLD A43	E5	A 43A	(J2 END)		
SHLD A44	E5	A 44A	(J2 END)		
SHLD A45	E5	A 45A	(J2 END)		
SHLD A46	E5	A 46A	(J2 END)		
SHLD A47	E5	A 47A	(J2 END)		
SHLD A48	E5	A 48A	(J2 END)		
SHLD A49	E6	A 49A	(J2 END)		
SHLD A50	E6	A 50A	(J2 END)		
SHLD A51	E6	A 51A	(J2 END)		
SHLD A52	E6	A 52A	(J2 END)		
SHLD A53	E6	A 53A	(J2 END)		
SHLD A54	E6	A 54A	(J2 END)		
SHLD A55	E7	A 55A	(J2 END)		
SHLD A56	E7	A 56A	(J2 END)		
SHLD A57	E7	A 57A	(J2 END)		
SHLD A58	E7	A 58A	(J2 END)		
SHLD A59	E7	A 59A	(J2 END)		
SHLD A60	E7	A 60A	(J2 END)		
SHLD A61	E8	A 61A	(J3 END)		
SHLD A62	E8	A 62A	(J3 END)		
SHLD A63	E8	A 63A	(J3 END)		
SHLD A64	E8	A 64A	(J3 END)		
SHLD A65	E8	A 65A	(J3 END)		
SHLD A66	E9	A 66A	(J3 END)		
SHLD A67	E9	A 67A	(J3 END)		
SHLD A68	E9	A 68A	(J3 END)		
SHLD A69	E9	A 69A	(J3 END)		
SHLD A70	E9	A 70A	(J3 END)		
SHLD A73	E10	A 73A	(J3 END)		
SHLD A74	E10	A 74A	(J3 END)		

(CONT.) S1(A4S1) CHANNEL 4, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-4B	J1-40	DD 34	CH 4 POS 3 LO-DC		
S1B-5A	J1-47	DD 35	CH 4 POS 4 HI-DC		
S1B-5B	J1-39	DD 36	CH 4 POS 4 LO-DC		
S1B-6A	J1-48	DD 37	CH 4 POS 5 HI-DC		
S1B-6B	J1-38	DD 38	CH 4 POS 5 LO-DC		
S1B-7A	J1-49	DD 39	CH 4 POS 6 HI-DC		
S1B-7B	J1-37	DD 40	CH 4 POS 6 LO-DC		
S1B-8A	J1-50	DD 41	CH 4 POS 7 HI-DC		
S1B-8B	J1-36	DD 42	CH 4 POS 7 LO-DC		
S1B-10A	J1-14	DD 43	CH 4 POS 9 HI-DC		
S1B-10B	J1-29	DD 44	CH 4 POS 9 LO-DC		
S1B-12A	J1-13	DD 45	CH 4 POS 11 HI-DC		
S1B-12B	J1-30	DD 46	CH 4 POS 11 LO-DC		
S1B-15A	J1-24	DD 47	CH 4 POS 14 HI-DC		
S1B-15B	J1-19	DD 48	CH 4 POS 14 LO-DC		
S1B-16A	J1-23	DD 49	CH 4 POS 15 HI-DC		
S1B-16B	J1-20	DD 50	CH 4 POS 15 LO-DC		
S1B-17A	J1-22	DD 51	CH 4 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	DD 52	CH 4 SW DC LO TO INTLK RELAY		
S1C-2A	J1-60	DD 1	CH 4 POS 1 HI-AC		
S1C-2B	J1-58	DD 2	CH 4 POS 1 LO-AC		
S1C-3A	J1-61	DD 3	CH 4 POS 2 HI-AC		
S1C-3B	J1-57	DD 4	CH 4 POS 2 LO-AC		
S1C-4A	J1-62	DD 5	CH 4 POS 3 HI-AC		
S1C-4B	J1-56	DD 6	CH 4 POS 3 LO-AC		
S1C-5A	J1-63	DD 7	CH 4 POS 4 HI-AC		
S1C-5B	J1-55	DD 8	CH 4 POS 4 LO-AC		
S1C-6A	J1-64	DD 9	CH 4 POS 5 HI-AC		
S1C-6B	J1-54	DD 10	CH 4 POS 5 LO-AC		
S1C-7A	J1-65	DD 11	CH 4 POS 6 HI-AC		
S1C-7B	J1-53	DD 12	CH 4 POS 6 LO-AC		
S1C-8A	J1-66	DD 13	CH 4 POS 7 HI-AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 114 OF 131

(CONT.) S1(A4S1) CHANNEL 4, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-8B	J1-52	DD 14	CH 4 POS 7 LO-AC		
S1C-9A	J1-6	DD 15	CH 4 POS 8 HI-AC		
S1C-9B	J1-17	DD 16	CH 4 POS 8 LO-AC		
S1C-11A	J1-5	DD 17	CH 4 POS 10 HI-AC		
S1C-11B	J1-18	DD 18	CH 4 POS 10 LO-AC		
S1C-12A	J1-4	DD 19	CH 4 POS 11 HI-AC		
S1C-12B	J1-7	DD 20	CH 4 POS 11 LO-AC		
S1C-13A	J1-3	DD 21	CH 4 POS 12 HI-AC		
S1C-13B	J1-8	DD 22	CH 4 POS 12 LO-AC		
S1C-14A	J1-2	DD 23	CH 4 POS 13 HI-AC		
S1C-14B	J1-9	DD 24	CH 4 POS 13 LO-AC		
S1C-16A	J1-1	DD 25	CH 4 POS 15 HI-AC		
S1C-16B	J1-10	DD 26	CH 4 POS 15 LO-AC		
S1C-17A	J1-12	DD 27	CH 4 WIPER OUPT TO SCOPE B HI		
S1C-17B	J1-16	DD 28	CH 4 WIPER OUPT TQ SCOPE B LO		

S1(A5S1) CHANNEL 5, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-2A	S1A-12B	EE 56	CH 5 +28 VDC HI		
S1A-2A	S1A-8A	EE 61	CH 5 +28 VDC HI		
S1A-8A	S1A-2A	EE 61	CH 5 +28 VDC HI		
S1A-9B	S1A-11B	EE 63	CH 5 +28 VDC HI		
S1A-11B	S1A-12B	EE 62	CH 5 +28 VDC HI		
S1A-11B	S1A-9B	EE 63	CH 5 +28 VDC HI		
S1A-12B	S1A-13B	EE 55	CH 5 +28 VDC HI		
S1A-12B	S1A-2A	EE 56	CH 5 +28 VDC HI		
S1A-12B	S1A-11B	EE 62	CH 5 +28 VDC HI		
S1A-13B	S1A-14B	EE 54	CH 5 +28 VDC HI		
S1A-13B	S1A-12B	EE 55	CH 5 +28 VDC HI		
S1A-14B	J1-34	EE 53	CH 5 +28 VDC HI		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 115 OF 131

(CONT.) S1(A3S1) CHANNEL 3, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-12B	J1-7	CC 20	CH 3 POS 11 LO-AC		
S1C-13A	J1-3	CC 21	CH 3 POS 12 HI-AC		
S1C-13B	J1-8	CC 22	CH 3 POS 12 LO-AC		
S1C-14A	J1-2	CC 23	CH 3 POS 13 HI-AC		
S1C-14B	J1-9	CC 24	CH 3 POS 13 LO-AC		
S1C-16A	J1-1	CC 25	CH 3 POS 15 HI-AC		
S1C-16B	J1-10	CC 26	CH 3 POS 15 LO-AC		
S1C-17A	J1-12	CC 27	CH 3 WIPER OUPT TO SCOPE B HI		
S1C-17B	J1-16	CC 28	CH 3 WIPER OUPT TO SCOPE B LO		

S1(A4S1) CHANNEL 4, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-2A	S1A-9B	DD 62	CH 4 +28 VDC HI		
S1A-3A	S1A-12B	DD 56	CH 4 +28 VDC HI		
S1A-9B	S1A-2A	DD 62	CH 4 +28 VDC HI		
S1A-12B	S1A-13B	DD 55	CH 4 +28 VDC HI		
S1A-12B	S1A-3A	DD 56	CH 4 +28 VDC HI		
S1A-13B	S1A-14B	DD 54	CH 4 +28 VDC HI		
S1A-13B	S1A-12B	DD 55	CH 4 +28 VDC HI		
S1A-14B	J1-34	DD 53	CH 4 +28 VDC HI		
S1A-14B	S1A-13B	DD 54	CH 4 +28 VDC HI		
S1A-16A	J1-27	DD 60	CH 4 AUX ISS REF CONT		
S1A-16B	J1-33	DD 61	CH 4 AUX OPT REF CONT		
S1A-17A	J1-32	DD 58	CH 4 +28 VDC OPT REF CONT		
S1A-17B	J1-26	DD 59	CH 4 +28 VDC ISS REF CONT		
S1B-2A	J1-44	DD 29	CH 4 POS 1 HI-DC		
S1B-2B	J1-42	DD 30	CH 4 POS 1 LO-DC		
S1B-3A	J1-45	DD 31	CH 4 POS 2 HI-DC		
S1B-3B	J1-41	DD 32	CH 4 POS 2 LO-DC		
S1B-4A	J1-46	DD 33	CH 4 POS 3 HI-DC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 113 OF 131

(CONT.) S1(A5S1) CHANNEL 5, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-14B	S1A-13B	EE 54	CH 5 +28 VDC HI		
S1A-16A	J1-27	EE 59	CH 5 AUX ISS REF CONT		
S1A-16B	J1-33	EE 60	CH 5 AUX OPT REF CONT		
S1A-17A	J1-32	EE 57	CH 5 +28 VDC ISS REF CONT		
S1A-17B	J1-26	EE 58	CH 5 +28 VDC OPT REF CONT		
S1B-2A	J1-44	EE 29	CH 5 POS 1 HI-DC		
S1B-2B	J1-42	EE 30	CH 5 POS 1 LO-DC		
S1B-3A	J1-45	EE 31	CH 5 POS 2 HI-DC		
S1B-3B	J1-41	EE 32	CH 5 POS 2 LO-DC		
S1B-4A	J1-46	EE 33	CH 5 POS 3 HI-DC		
S1B-4B	J1-40	EE 34	CH 5 POS 3 LO-DC		
S1B-5A	J1-47	EE 35	CH 5 POS 4 HI-DC		
S1B-5B	J1-39	EE 36	CH 5 POS 4 LO-DC		
S1B-6A	J1-48	EE 37	CH 5 POS 5 HI-DC		
S1B-6B	J1-38	EE 38	CH 5 POS 5 LO-DC		
S1B-7A	J1-49	EE 39	CH 5 POS 6 HI-DC		
S1B-7B	J1-37	EE 40	CH 5 POS 6 LO-DC		
S1B-8A	J1-50	EE 41	CH 5 POS 7 HI-DC		
S1B-8B	J1-36	EE 42	CH 5 POS 7 LO-DC		
S1B-10A	J1-14	EE 43	CH 5 POS 9 HI-DC		
S1B-10B	J1-29	EE 44	CH 5 POS 9 LO-DC		
S1B-12A	J1-13	EE 45	CH 5 POS 11 HI-DC		
S1B-12B	J1-30	EE 46	CH 5 POS 11 LO-DC		
S1B-15A	J1-24	EE 47	CH 5 POS 14 HI-DC		
S1B-15B	J1-19	EE 48	CH 5 POS 14 LO-DC		
S1B-16A	J1-23	EE 49	CH 5 POS 15 HI-DC		
S1B-16B	J1-20	EE 50	CH 5 POS 15 LO-DC		
S1B-17A	J1-22	EE 51	CH 5 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	EE 52	CH 5 SW DC LO TO INTLK RELAY		
S1C-2A	J1-60	EE 1	CH 5 POS 1 HI-AC		
S1C-2B	J1-58	EE 2	CH 5 POS 1 LO-AC		
S1C-3A	J1-61	EE 3	CH 5 POS 2 HI-AC		

SIZE	CODE IDENT NO.	
A	99974	2900901
SCALE-NONE	REV LTR A	SHEET 116 OF 131

S1(A6S1) CHANNEL 6, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A-2A	S1A-12B	FF 60	CH 6 +28 VDC HI		
S1A-6B	S1A-11B	FF 62	CH 6 +28 VDC HI		
S1A-11B	S1A-12B	FF 61	CH 6 +28 VDC HI		
S1A-11B	S1A-6B	FF 62	CH 6 +28 VDC HI		
S1A-12B	S1A-13B	FF 55	CH 6 +28 VDC HI		
S1A-12B	S1A-2A	FF 60	CH 6 +28 VDC HI		
S1A-12B	S1A-11B	FF 61	CH 6 +28 VDC HI		
S1A-13B	S1A-14B	FF 54	CH 6 +28 VDC HI		
S1A-13B	S1A-12B	FF 55	CH 6 +28 VDC HI		
S1A-14B	J1-34	FF 53	CH 6 +28 VDC HI		
S1A-14B	S1A-13B	FF 54	CH 6 +28 VDC HI		
S1A-16A	J1-27	FF 58	CH 6 AUX ISS REF CONT		
S1A-16B	J1-33	FF 59	CH 6 AUX OPT REF CONT		
S1A-17A	J1-32	FF 56	CH 6 +28 VDC ISS REF CONT		
S1A-17B	J1-26	FF 57	CH 6 +28 VDC OPT REF CONT		
S1B-2A	J1-44	FF 29	CH 6 POS 1 HI-DC		
S1B-2B	J1-42	FF 30	CH 6 POS 1 LO-DC		
S1B-3A	J1-45	FF 31	CH 6 POS 2 HI-DC		
S1B-3B	J1-41	FF 32	CH 6 POS 2 LO-DC		
S1B-4A	J1-46	FF 33	CH 6 POS 3 HI-DC		
S1B-4B	J1-40	FF 34	CH 6 POS 3 LO-DC		
S1B-5A	J1-47	FF 35	CH 6 POS 4 HI-DC		
S1B-5B	J1-39	FF 36	CH 6 POS 4 LO-DC		
S1B-6A	J1-48	FF 37	CH 6 POS 5 HI-DC		
S1B-6B	J1-38	FF 38	CH 6 POS 5 LO-DC		
S1B-7A	J1-49	FF 39	CH 6 POS 6 HI-DC		
S1B-7B	J1-37	FF 40	CH 6 POS 6 LO-DC		
S1B-8A	J1-50	FF 41	CH 6 POS 7 HI-DC		
S1B-8B	J1-36	FF 42	CH 6 POS 7 LO-DC		
S1B-10A	J1-14	FF 43	CH 6 POS 9 HI-DC		
S1B-10B	J1-29	FF 44	CH 6 POS 9 LO-DC		
S1B-12A	J1-13	FF 45	CH 6 POS 11 HI-DC		

(CONT.) S1(A6S1) CHANNEL 6, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-12B	J1-30	FF 46	CH 6 POS 11 LO-DC		
S1B-15A	J1-24	FF 47	CH 6 POS 14 HI-DC		
S1B-15B	J1-19	FF 48	CH 6 POS 14 LO-DC		
S1B-16A	J1-23	FF 49	CH 6 POS 15 HI-DC		
S1B-16B	J1-20	FF 50	CH 6 POS 15 LO-DC		
S1B-17A	J1-22	FF 51	CH 6 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	FF 52	CH 6 SW DC LO TO INTLK RELAY		
S1C-2A	J1-60	FF 1	CH 6 POS 1 HI-AC		
S1C-2B	J1-58	FF 2	CH 6 POS 1 LO-AC		
S1C-3A	J1-61	FF 3	CH 6 POS 2 HI-AC		
S1C-3B	J1-57	FF 4	CH 6 POS 2 LO-AC		
S1C-4A	J1-62	FF 5	CH 6 POS 3 HI-AC		
S1C-4B	J1-56	FF 6	CH 6 POS 3 LO-AC		
S1C-5A	J1-63	FF 7	CH 6 POS 4 HI-AC		
S1C-5B	J1-55	FF 8	CH 6 POS 4 LO-AC		
S1C-6A	J1-64	FF 9	CH 6 POS 5 HI-AC		
S1C-6B	J1-54	FF 10	CH 6 POS 5 LO-AC		
S1C-7A	J1-65	FF 11	CH 6 POS 6 HI-AC		
S1C-7B	J1-53	FF 12	CH 6 POS 6 LO-AC		
S1C-8A	J1-66	FF 13	CH 6 POS 7 HI-AC		
S1C-8B	J1-52	FF 14	CH 6 POS 7 LO-AC		
S1C-9A	J1-6	FF 15	CH 6 POS 8 HI-AC		
S1C-9B	J1-17	FF 16	CH 6 POS 8 LO-AC		
S1C-11A	J1-5	FF 17	CH 6 POS 10 HI-AC		
S1C-11B	J1-18	FF 18	CH 6 POS 10 LO-AC		
S1C-12A	J1-4	FF 19	CH 6 POS 11 HI-AC		
S1C-12B	J1-7	FF 20	CH 6 POS 11 LO-AC		
S1C-13A	J1-3	FF 21	CH 6 POS 12 HI-AC		
S1C-13B	J1-8	FF 22	CH 6 POS 12 LO-AC		
S1C-14A	J1-2	FF 23	CH 6 POS 13 HI-AC		
S1C-14B	J1-9	FF 24	CH 6 POS 13 LO-AC		
S1C-16A	J1-1	FF 25	CH 6 POS 15 HI-AC		

(CONT.) S1(A5S1) CHANNEL 5, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-3B	J1-57	EE 4	CH 5 POS 2 LO-AC		
S1C-4A	J1-62	EE 5	CH 5 POS 3 HI-AC		
S1C-4B	J1-56	EE 6	CH 5 POS 3 LO-AC		
S1C-5A	J1-63	EE 7	CH 5 POS 4 HI-AC		
S1C-5B	J1-55	EE 8	CH 5 POS 4 LO-AC		
S1C-6A	J1-64	EE 9	CH 5 POS 5 HI-AC		
S1C-6B	J1-54	EE 10	CH 5 POS 5 LO-AC		
S1C-7A	J1-65	EE 11	CH 5 POS 6 HI-AC		
S1C-7B	J1-53	EE 12	CH 5 POS 6 LO-AC		
S1C-8A	J1-66	EE 13	CH 5 POS 7 HI-AC		
S1C-8B	J1-52	EE 14	CH 5 POS 7 LO-AC		
S1C-9A	J1-6	EE 15	CH 5 POS 8 HI-AC		
S1C-9B	J1-17	EE 16	CH 5 POS 8 LO-AC		
S1C-11A	J1-5	EE 17	CH 5 POS 10 HI-AC		
S1C-11B	J1-18	EE 18	CH 5 POS 10 LO-AC		
S1C-12A	J1-4	EE 19	CH 5 POS 11 HI-AC		
S1C-12B	J1-7	EE 20	CH 5 POS 11 LO-AC		
S1C-13A	J1-3	EE 21	CH 5 POS 12 HI-AC		
S1C-13B	J1-8	EE 22	CH 5 POS 12 LO-AC		
S1C-14A	J1-2	EE 23	CH 5 POS 13 HI-AC		
S1C-14B	J1-9	EE 24	CH 5 POS 13 LO-AC		
S1C-16A	J1-1	EE 25	CH 5 POS 15 HI-AC		
S1C-16B	J1-10	EE 26	CH 5 POS 15 LO-AC		
S1C-17A	J1-12	EE 27	CH 5 WIPER OUPT TO SCOPE B HI		
S1C-17B	J1-16	EE 28	CH 5 WIPER OUPT TO SCOPE B LO		

(CONT.) S1(A6S1) CHANNEL 6, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-16B	J1-10	FF 26	CH 6 POS 15 LO-AC		
S1C-17A	J1-12	FF 27	CH 6 WIPER OUPT TO SCOPE B HI		
S1C-17B	J1-16	FF 28	CH 6 WIPER OUPT TO SCOPE B LO		

S1(A7S1) CHANNEL 7, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A- 3B	J1-34	GG 53	CH 7 +28 VDC HI		
S1A-16A	J1-27	GG 56	CH 7 AUX ISS REF CONT		
S1A-16B	J1-33	GG 57	CH 7 AUX OPT REF CONT		
S1A-17A	J1-26	GG 54	CH 7 +28 VDC ISS REF CONT		
S1A-17B	J1-32	GG 55	CH 7 +28 VDC OPT REF CONT		
S1B- 2A	J1-44	GG 29	CH 7 POS 1 HI-DC		
S1B- 2B	J1-42	GG 30	CH 7 POS 1 LO-DC		
S1B- 3A	J1-45	GG 31	CH 7 POS 2 HI-DC		
S1B- 3B	J1-41	GG 32	CH 7 POS 2 LO-DC		
S1B- 4A	J1-46	GG 33	CH 7 POS 3 HI-DC		
S1B- 4B	J1-40	GG 34	CH 7 POS 3 LO-DC		
S1B- 5A	J1-47	GG 35	CH 7 POS 4 HI-DC		
S1B- 5B	J1-39	GG 36	CH 7 POS 4 LO-DC		
S1B- 6A	J1-48	GG 37	CH 7 POS 5 HI-DC		
S1B- 6B	J1-38	GG 38	CH 7 POS 5 LO-DC		
S1B- 7A	J1-49	GG 39	CH 7 POS 6 HI-DC		
S1B- 7B	J1-37	GG 40	CH 7 POS 6 LO-DC		
S1B- 8A	J1-50	GG 41	CH 7 POS 7 HI-DC		
S1B- 8B	J1-36	GG 42	CH 7 POS 7 LO-DC		
S1B-10A	J1-14	GG 43	CH 7 POS 9 HI-DC		
S1B-10B	J1-29	GG 44	CH 7 POS 9 LO-DC		
S1B-12A	J1-13	GG 45	CH 7 POS 11 HI-DC		
S1B-12B	J1-30	GG 46	CH 7 POS 11 LO-DC		
S1B-15A	J1-24	GG 47	CH 7 POS 14 HI-DC		

(CONT.) S1(A7S1) CHANNEL 7, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-15B	J1-19	GG 48	CH 7 POS 14 LO-DC		
S1B-16A	J1-23	GG 49	CH 7 POS 15 HI-DC		
S1B-16B	J1-20	GG 50	CH 7 POS 15 LO-DC		
S1B-17A	J1-22	GG 51	CH 7 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	GG 52	CH 7 SW DC LO TO INTLK RELAY		
S1C- 2A	J1-60	GG 1	CH 7 SPARE NO FUNCTION		
S1C- 2B	J1-58	GG 2	CH 7 SPARE NO FUNCTION		
S1C- 3A	J1-61	GG 3	CH 7 SPARE NO FUNCTION		
S1C- 3B	J1-57	GG 4	CH 7 SPARE NO FUNCTION		
S1C- 4A	J1-62	GG 5	CH 7 SPARE NO FUNCTION		
S1C- 4B	J1-56	GG 6	CH 7 SPARE NO FUNCTION		
S1C- 5A	J1-63	GG 7	CH 7 SPARE NO FUNCTION		
S1C- 5B	J1-55	GG 8	CH 7 SPARE NO FUNCTION		
S1C- 6A	J1-64	GG 9	CH 7 SPARE NO FUNCTION		
S1C- 6B	J1-54	GG 10	CH 7 SPARE NO FUNCTION		
S1C- 7A	J1-65	GG 11	CH 7 SPARE NO FUNCTION		
S1C- 7B	J1-53	GG 12	CH 7 SPARE NO FUNCTION		
S1C- 8A	J1-66	GG 13	CH 7 SPARE NO FUNCTION		
S1C- 8B	J1-52	GG 14	CH 7 SPARE NO FUNCTION		
S1C- 9A	J1- 6	GG 15	CH 7 SPARE NO FUNCTION		
S1C- 9B	J1-17	GG 16	CH 7 SPARE NO FUNCTION		
S1C-11A	J1- 5	GG 17	CH 7 SPARE NO FUNCTION		
S1C-11B	J1-18	GG 18	CH 7 SPARE NO FUNCTION		
S1C-12A	J1- 4	GG 19	CH 7 SPARE NO FUNCTION		
S1C-12B	J1- 7	GG 20	CH 7 SPARE NO FUNCTION		
S1C-13A	J1- 3	GG 21	CH 7 SPARE NO FUNCTION		
S1C-13B	J1- 8	GG 22	CH 7 SPARE NO FUNCTION		
S1C-14A	J1- 2	GG 23	CH 7 SPARE NO FUNCTION		
S1C-14B	J1- 9	GG 24	CH 7 SPARE NO FUNCTION		
S1C-16A	J1- 1	GG 25	CH 7 SPARE NO FUNCTION		
S1C-16B	J1-10	GG 26	CH 7 SPARE NO FUNCTION		
S1C-17A	J1-12	GG 27	CH 7 WIPER OUPT TO SCOPE B HI NOT USED		

(CONT.) S1(A7S1) CHANNEL 7, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1C-17B	J1-16	GG 28	CH 7 WIPER OUPT TO SCOPE B LO NOT USED		

S1(A8S1) CHANNEL 8, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1A- 3B	J1-34	HH 53	CH 8 +28 VDC HI		
S1A-16A	J1-27	HH 56	CH 8 AUX ISS REF CONT		
S1A-16B	J1-33	HH 57	CH 8 AUX OPT REF CONT		
S1A-17A	J1-26	HH 54	CH 8 +28 VDC ISS REF CONT		
S1A-17B	J1-32	HH 55	CH 8 +28 VDC OPT REF CONT		
S1B- 2A	J1-44	HH 29	CH 8 POS 1 HI-DC		
S1B- 2B	J1-42	HH 30	CH 8 POS 1 LO-DC		
S1B- 3A	J1-45	HH 31	CH 8 POS 2 HI-DC		
S1B- 3B	J1-41	HH 32	CH 8 POS 2 LO-DC		
S1B- 4A	J1-46	HH 33	CH 8 POS 3 HI-DC		
S1B- 4B	J1-40	HH 34	CH 8 POS 3 LO-DC		
S1B- 5A	J1-47	HH 35	CH 8 POS 4 HI-DC		
S1B- 5B	J1-39	HH 36	CH 8 POS 4 LO-DC		
S1B- 6A	J1-48	HH 37	CH 8 POS 5 HI-DC		
S1B- 6B	J1-38	HH 38	CH 8 POS 5 LO-DC		
S1B- 7A	J1-49	HH 39	CH 8 POS 6 HI-DC		
S1B- 7B	J1-37	HH 40	CH 8 POS 6 LO-DC		
S1B- 8A	J1-50	HH 41	CH 8 POS 7 HI-DC		
S1B- 8B	J1-36	HH 42	CH 8 POS 7 LO-DC		
S1B-10A	J1-14	HH 43	CH 8 POS 9 HI-DC		
S1B-10B	J1-29	HH 44	CH 8 POS 9 LO-DC		
S1B-12A	J1-13	HH 45	CH 8 POS 11 HI-DC		
S1B-12B	J1-30	HH 46	CH 8 POS 11 LO-DC		
S1B-15A	J1-24	HH 47	CH 8 POS 14 HI-DC		
S1B-15B	J1-19	HH 48	CH 8 POS 14 LO-DC		
S1B-16A	J1-23	HH 49	CH 8 POS 15 HI-DC		

(CONT.) S1(A8S1) CHANNEL 8, SWITCH 1015825-001 FIG. 16

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1B-16B	J1-20	HH 50	CH 8 POS 15 LO-DC		
S1B-17A	J1-22	HH 51	CH 8 SW DC HI TO INTLK RELAY		
S1B-17B	J1-28	HH 52	CH 8 SW DC LO TO INTLK RELAY		
S1C- 2A	J1-60	HH 1	CH 8 SPARE NO FUNCTION		
S1C- 2B	J1-58	HH 2	CH 8 SPARE NO FUNCTION		
S1C- 3A	J1-61	HH 3	CH 8 SPARE NO FUNCTION		
S1C- 3B	J1-57	HH 4	CH 8 SPARE NO FUNCTION		
S1C- 4A	J1-62	HH 5	CH 8 SPARE NO FUNCTION		
S1C- 4B	J1-56	HH 6	CH 8 SPARE NO FUNCTION		
S1C- 5A	J1-63	HH 7	CH 8 SPARE NO FUNCTION		
S1C- 5B	J1-55	HH 8	CH 8 SPARE NO FUNCTION		
S1C- 6A	J1-64	HH 9	CH 8 SPARE NO FUNCTION		
S1C- 6B	J1-54	HH 10	CH 8 SPARE NO FUNCTION		
S1C- 7A	J1-65	HH 11	CH 8 SPARE NO FUNCTION		
S1C- 7B	J1-53	HH 12	CH 8 SPARE NO FUNCTION		
S1C- 8A	J1-66	HH 13	CH 8 SPARE NO FUNCTION		
S1C- 8B	J1-52	HH 14	CH 8 SPARE NO FUNCTION		
S1C- 9A	J1- 6	HH 15	CH 8 SPARE NO FUNCTION		
S1C- 9B	J1-17	HH 16	CH 8 SPARE NO FUNCTION		
S1C-11A	J1- 5	HH 17	CH 8 SPARE NO FUNCTION		
S1C-11B	J1-18	HH 18	CH 8 SPARE NO FUNCTION		
S1C-12A	J1- 4	HH 19	CH 8 SPARE NO FUNCTION		
S1C-12B	J1- 7	HH 20	CH 8 SPARE NO FUNCTION		
S1C-13A	J1- 3	HH 21	CH 8 SPARE NO FUNCTION		
S1C-13B	J1- 8	HH 22	CH 8 SPARE NO FUNCTION		
S1C-14A	J1- 2	HH 23	CH 8 SPARE NO FUNCTION		
S1C-14B	J1- 9	HH 24	CH 8 SPARE NO FUNCTION		
S1C-16A	J1- 1	HH 25	CH 8 SPARE NO FUNCTION		
S1C-16B	J1-10	HH 26	CH 8 SPARE NO FUNCTION		
S1C-17A	J1-12	HH 27	CH 8 WIPER OUPT TO SCOPE B HI		
S1C-17B	J1-16	HH 28	CH 8 WIPER OUPT TO SCOPE B LO		

S1 INDICATOR SWITCH ASSY P/N 1015869-513 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S1SW1-C	S1SW2-C	A 285	+28 VDC		
S1SW1-C	E53	A 375	+28 VDC		
S1SW1-NO	J1-M*	A 19	CH 3 AC/DC CONT		
S1SW2-C	S1SW1-C	A 285	+28 VDC		
S1SW2-NC	XDS1-C	A 286	CH 3 AC SW LIGHT HI		
S1SW2-NO	XDS1-A	A 287	CH 3 DC SW LIGHT HI		

S2 INDICATOR SWITCH ASSY P/N 1015869-514 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S2SW1-C	S2SW2-C	A 288	+28 VDC		
S2SW1-C	E53	A 376	+28 VDC		
S2SW1-NO	J1-N*	A 20	CH 4 AC/DC CONT		
S2SW2-C	S2SW1-C	A 288	+28 VDC		
S2SW2-NC	XDS2-C	A 289	CH 4 AC SW LIGHT HI		
S2SW2-NO	XDS2-A	A 290	CH 4 DC SW LIGHT HI		

S3 INDICATOR SWITCH ASSY P/N 1015869-804 FIG 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S3SW1-C	P9- 5	A 284W	800 CPS OPT 0 DEGREE/90 DEGREE HI GSE		
S3SW1-NC	S6SW1-NC	A 302	800 CPS 0 DEGREE OPT HI		
S3SW1-NC	J11-M	A 228W	800 CPS 90 DEGREE OPT BUFFER OUPT HI		
S3SW2-C	P9- 2	A 282W	800 CPS ISS 0 DEGREE/90 DEGREE HI GSE		
S3SW2-NC	S6SW1-NO	A 303	800 CPS 0 DEGREE ISS HI		
S3SW2-NO	J8-M	A 211W	800 CPS ISS 90 DEGREE BUFFER OUPT HI		
S3SW3-C	E53	A 377	+28 VDC		
S3SW3-NC	XDS3-A	A 292	800 CPS 0 DEGREE REF SW LIGHT HI		
S3SW3-NO	XDS3-C	A 291	800 CPS 90 DEGREE REF SW LIGHT HI		

S4 INDICATOR SWITCH ASSY P/N 1015869-515 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S4SW1-C	S4SW2-C	A 293	+28 VDC		
S4SW1-C	E53	A 378	+28 VDC		
S4SW1-NO	J1-P*	A 21	CH 5 AC/DC CONT		
S4SW2-C	S4SW1-C	A 293	+28 VDC		
S4SW2-NC	XDS4-C	A 294	CH 5 AC SW LIGHT HI		
S4SW2-NO	XDS4-A	A 295	CH 5 DC SW LIGHT HI		

S5 INDICATOR SWITCH ASSY P/N 1015869-516 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S5SW1-C	S5SW2-C	A 296	+28 VDC		
S5SW1-C	E53	A 379	+28 VDC		
S5SW1-NO	J1-R*	A 23	CH 6 AC/DC CONT		
S5SW2-C	S5SW1-C	A 296	+28 VDC		
S5SW2-NC	XDS5-C	A 297	CH 6 AC SW LIGHT HI		
S5SW2-NC	XDS5-A	A 298	CH 6 DC SW LIGHT HI		

S6 INDICATOR SWITCH ASSY P/N 1015869-803 FIG 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S6SW1-C	G1- 1	A 299R	800 CPS TO PH GEN - HI		
S6SW1-NC	J12-P	A 231R	OPT 0 DEGREE FOR PH GEN HI		
S6SW1-NC	S3SW1-NC	A 302	800 CPS 0 DEGREE OPT HI		
S6SW1-NO	J9-P	A 218R	800 CPS 0 DEGREE ISS PH GEN INPUT		
S6SW1-NO	S3SW2-NC	A 303	800 CPS 0 DEGREE ISS HI		
S6SW2-C	G1- 5	A 299L	800 CPS TO PH GEN - LO		
S6SW2-NC	J12-R	A 231L	OPT 0 DEGREE FOR PH GEN LO		
S6SW2-NC	P9- 1	A 281W	800 CPS OPT 0 DEGREE LO GSE		
S6SW2-NO	J9-R	A 218L	800 CPS 0 DEGREE ISS FOR PH GEN INPUT		
S6SW3-C	E53	A 380	+28 VDC		

(CONT.) S6 INDICATOR SWITCH ASSY P/N 1015869-803 FIG 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S6SW3-NC	XDS6-C	A 300	800 CPS OPT TO PH GEN SW LIGHT HI		
S6SW3-NC	XDS6-A	A 301	800 CPS ISS TO PH GEN SW LIGHT HI		

S7 SWITCH ROTARY P/N 1015825-004 FIG 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S7- 2A	J1-H	A 5R	800 CPS ISS 0 DEGREE GSE - HI		
S7- 2A	J9-M	A 217R	800 CPS 0 DEGREE ISS FOR SCOPE B REF		
S7- 2B	J1-J	A 5L	800 CPS ISS 0 DEGREE GSE - LO		
S7- 2B	J9-N	A 217L	800 CPS 0 DEGREE ISS FOR SCOPE B REF		
S7- 3A	J1-F*	A 17R	800 CPS VAR PH - HI		
S7- 3A	J13-P	A 240R	800 CPS VAR FOR SCOPE B REF HI		
S7- 3B	J1-G*	A 17L	800 CPS VAR PH - LO		
S7- 3B	J13-R	A 240L	800 CPS VAR FOR SCOPE B REF LO		
S7- 4A	J1-H*	A 18R	3.2 KC ISS GSE - HI		
S7- 4A	J10-M	A 223R	3.2 KC FOR SCOPE B REF		
S7- 4B	J1-J*	A 18L	3.2 KC ISS GSE - LO		
S7- 4B	J10-N	A 223L	3.2 KC FOR SCOPE B REF		
S7- 5A	J1-W*	A 27R	3.2 KC VAR GSE - HI		
S7- 5A	J13-M	A 239R	3.2 KC VAR FOR SCOPE B REF HI		
S7- 5B	J1-X*	A 27L	3.2 KC VAR GSE - LO		
S7- 5B	J13-N	A 239L	3.2 KC VAR FOR SCOPE B REF LO		
S7- 6A	J1-B*	A 15R	800 CPS OPT 0 DEGREE GSE - HI		
S7- 6A	J12-M	A 232R	OPT 90 DEGREE FOR SCOPE B REF HI		
S7- 6B	J1-C*	A 15L	800 CPS OPT 0 DEGREE GSE - LO		
S7- 6B	J12-N	A 232L	OPT 90 DEGREE FOR SCOPE B REF LO		
S7-10A	J1-EE	A 30R	REF AUX INPUT FOR SCOPE B - HI		
S7-10B	J1-DD	A 30L	REF AUX INPUT FOR SCOPE B - LO		
S7-11A	T2- 1	A 304R	SCOPE B REF ISOLATION XFMR HI		
S7-11B	T2- 3	A 304L	SCOPE B REF ISOLATION XFMR LO		

S8 SWITCH ROTARY P/N 1015825-004 FIG 7

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
S8- 2A	P1-12	A 241R	CH 1 OUPT TO SCOPE B HI		
S8- 2B	P1-16	A 241L	CH 1 OUPT TO SCOPE B LO		
S8- 3A	P2-12	A 246R	CH 2 OUPT TO SCOPE B HI		
S8- 3B	P2-16	A 246L	CH 2 OUPT TO SCOPE B LO		
S8- 4A	P3-12	A 251R	CH 3 OUPT TO SCOPE B HI		
S8- 4B	P3-16	A 251L	CH 3 OUPT TO SCOPE B LO		
S8- 5A	P4-12	A 256R	CH 4 OUPT TO SCOPE B HI		
S8- 5B	P4-16	A 256L	CH 4 OUPT TO SCOPE B LO		
S8- 6A	P5-12	A 261R	CH 5 OUPT TO SCOPE B HI		
S8- 6B	P5-16	A 261L	CH 5 OUPT TO SCOPE B LO		
S8- 7A	P6-12	A 266R	CH 6 OUPT TO SCOPE B HI		
S8- 7B	P6-16	A 266L	CH 6 OUPT TO SCOPE B LO		
S8- 8A	P7-12	A 271R	CH 7 OUPT TO SCOPE B HI		
S8- 8B	P7-16	A 271L	CH 7 OUPT TO SCOPE B LO		
S8- 9A	P8-12	A 276R	CH 8 OUPT TO SCOPE B HI		
S8- 9B	P8-16	A 276L	CH 8 OUPT TO SCOPE B LO		
S8-10A	J1-GG	A 31R	AUX INPUT TO SCOPE B2 - HI		
S8-10B	J1-FF	A 31L	AUX INPUT TO SCOPE B2 - LO		
S8-11A	T1- 1	A 305R	SCOPE B INPUT SELECTION HI		
S8-11B	T1- 3	A 305L	SCOPE B INPUT SELECTION LO		

T1 TRANSFORMER P/N 1015842 FIG 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
T1- 1	S8-11A	A 305R	SCOPE B INPUT SELECTION HI		
T1- 3	S8-11B	A 305L	SCOPE B INPUT SELECTION LO		
T1- 4	J1-Y*	A 28R	OUPT TO SCOPE B2 - HI		
T1- 5	J1-Z*	A 28L	OUPT TO SCOPE B2 - LO		

T2 TRANSFORMER P/N 1015842 FIG 5

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
T2- 1	S7-11A	A 304R	SCOPE B REF ISOLATION XFMR HI		
T2- 3	S7-11B	A 304L	SCOPE B REF ISOLATION XFMR LO		
T2- 4	J1-AA	A 29R	REF OUPT TO SCOPE B - HI		
T2- 5	J1-BB	A 29L	REF OUPT TO SCOPE B - LO		

T3 TRANSFORMER P/N 1897226 FIG. 14.

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
T3-1	J10-M	A 408R	3.2 KC REF FOR TCL HI		
T3-2	J10-N	A 408L	3.2 KC REF FOR TCL LO		
T3-3	J1-I*	A 409R	3.2 KC 2V REF TO TCL-HI		
T3-4	J1-K*	A 409L	3.2 KC 2V REF TO TCL-LO		

T4 TRANSFORMER P/N 1897246 FIG. 14.

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
T4-1	J1-Y	A 399R	800 CPS FROM SIG GEN HI		
T4-2	J1-Z	A 399L	800 CPS FROM SIG. GEN LO		
T4-3	J1-A*	A 398R	800 CPS XFMR OUPT MON HI		
T4-3	K25-3	A 397R	800 CPS TO BUFF INPUT CAL HI		
T4-4	J1-V*	A 398L	800 CPS XFMR OUPT MON LO		
T4-4	K25-6	A 397L	800 CPS TO BUFF INPUT CAL LO		

XDS4 INDICATOR SWITCH ASSY P/N 1015869-515 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS4-A	S4SW2-NO	A 295	CH 5 DC SW LIGHT HI		
XDS4-A	XDS4-B	A 312	CH 5 DC SW LIGHT HI		
XDS4-B	XDS4-A	A 312	CH 5 DC SW LIGHT HI		
XDS4-C	S4SW2-NC	A 294	CH 5 AC SW LIGHT HI		
XDS4-C	XDS4-D	A 313	CH 5 AC SW LIGHT HI		
XDS4-D	XDS4-C	A 313	CH 5 AC SW LIGHT HI		
XDS4-G	E55	A 389	28 VDC LO		

XDS5 INDICATOR SWITCH ASSY P/N 1015869-516 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS5-A	S5SW2-NO	A 298	CH 6 DC SW LIGHT HI		
XDS5-A	XDS5-B	A 314	CH 6 DC SW LIGHT HI		
XDS5-B	XDS5-A	A 314	CH 6 DC SW LIGHT HI		
XDS5-C	S5SW2-NC	A 297	CH 6 AC SW LIGHT HI		
XDS5-C	XDS5-D	A 315	CH 5 AC SW LIGHT HI		
XDS5-D	XDS5-C	A 315	CH 5 AC SW LIGHT HI		
XDS5-G	E55	A 390	28 VDC LO		

XDS6 INDICATOR SWITCH ASSY P/N 1015869-803 FIG 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS6-A	S6SW3-NO	A 301	800 CPS ISS TO PH GEN SW LIGHT HI		
XDS6-A	XDS6-B	A 316	+28 VDC TO SW LIGHT		
XDS6-B	XDS6-A	A 316	+28 VDC TO SW LIGHT		
XDS6-C	S6SW3-NC	A 300	800 CPS OPT TO PH GEN SW LIGHT HI		
XDS6-C	XDS6-D	A 317	800 CPS		
XDS6-D	XDS6-C	A 317	800 CPS		
XDS6-G	E55	A 391	28 VDC LO		

XDS1 INDICATOR SWITCH ASSY P/N 1015869-513 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS1-A	S1SW2-NO	A 287	CH 3 DC SW LIGHT HI		
XDS1-A	XDS1-B	A 306	CH 3 DC SW LIGHT HI		
XDS1-B	XDS1-A	A 306	CH 3 DC SW LIGHT HI		
XDS1-C	S1SW2-NC	A 286	CH 3 AC SW LIGHT HI		
XDS1-C	XDS1-D	A 307	CH 3 AC SW LIGHT HI		
XDS1-D	XDS1-C	A 307	CH 3 AC SW LIGHT HI		
XDS1-G	E55	A 386	28 VDC LO		

XDS2 INDICATOR SWITCH ASSY P/N 1015869-514 FIG 13

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS2-A	S2SW2-NO	A 290	CH 4 DC SW LIGHT HI		
XDS2-A	XDS2-B	A 308	CH 4 DC SW LIGHT HI		
XDS2-B	XDS2-A	A 308	CH 4 DC SW LIGHT HI		
XDS2-C	S2SW2-NC	A 289	CH 4 AC SW LIGHT HI		
XDS2-C	XDS2-D	A 309	CH 4 AC SW LIGHT HI		
XDS2-D	XDS2-C	A 309	CH 4 AC SW LIGHT HI		
XDS2-G	E55	A 387	28 VDC LO		

XDS3 INDICATOR SWITCH ASSY P/N 1015869-804 FIG 8

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XDS3-A	S3SW3-NC	A 292	800 CPS 0 DEGREE REF SW LIGHT HI		
XDS3-A	XDS3-B	A 310	800 CPS 0 DEGREE SW LIGHT HI		
XDS3-B	XDS3-A	A 310	800 CPS 0 DEGREE SW LIGHT HI		
XDS3-C	S3SW3-NO	A 291	800 CPS 90 DEGREE REF SW LIGHT HI		
XDS3-C	XDS3-D	A 311	800 CPS 90 DEGREE SW LIGHT HI		
XDS3-D	XDS3-C	A 311	800 CPS 90 DEGREE SW LIGHT HI		
XDS3-G	E55	A 388	28 VDC LO		

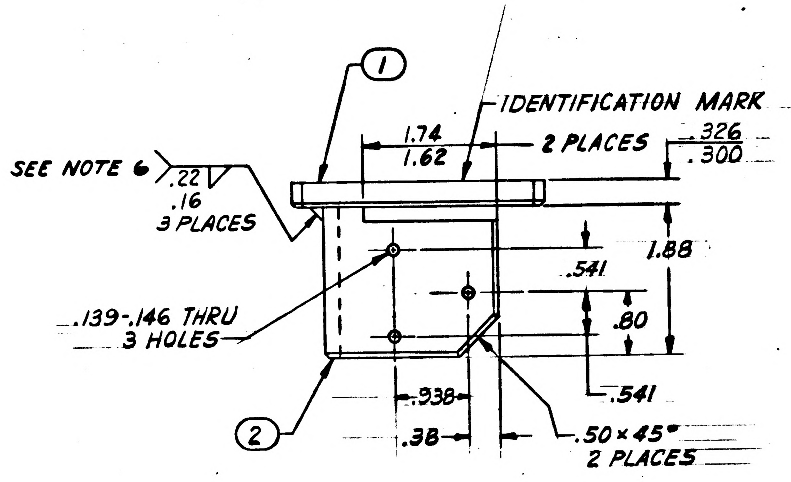
XF1 INDICATING FUSEHOLDER P/N 1015873-008 FIG 6

FROM	TO	LEAD NO	CIRCUIT FUNCTION	PEN NOTE	WIRE CODE
XF1- 1	E54	A 384	+28 VDC		
XF1- 2	J1-S*	A 24	+28 VDC		

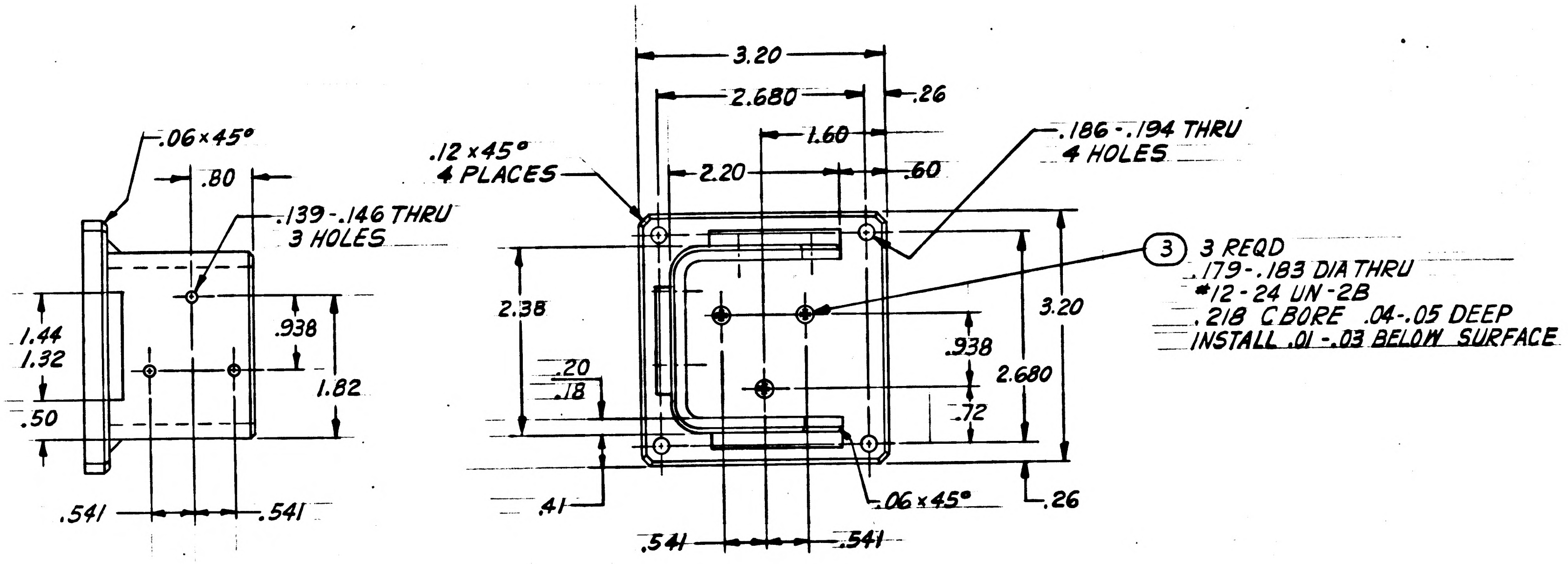
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   A. QQ-A-250/11, TEMPER T651 (AL ALY, TYPE 6061, ES 2106).
   B. QQ-A-250/8, TEMPER H-32 (AL ALY, TYPE 5052, ES 2105).
3. FINISH: APPLY P513 OF MIL-F-14072. APPLY ITEM ④ AND TWO COATS OF ITEM ⑤.
4. ALL INSIDE BEND RADII TO BE .19R.
5. UNLESS OTHERWISE SPECIFIED, MUST BE FREE FROM SHARP EDGES.
6. MUST BE FREE FROM BURRS.
7. WELD PER MIL-W-8604
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).

2900909 A

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		UPGRADED TO CLASS A PER TDRR 25336	-	22 NOV 65	JJJ



①
IDENTIFICATION MARK
1.74
1.62
2 PLACES
.326
.300
SEE NOTE 6
.22
.16
3 PLACES
1.88
.541
.80
.139-.146 THRU
3 HOLES
.541
②
.938
.38
.50 × 45°
2 PLACES



.06 × 45°
.80
.139-.146 THRU
3 HOLES
1.44
1.32
.938
1.82
.50
.541
.541
3.20
2.680
.26
1.60
.12 × 45°
4 PLACES
2.20
.60
.186-.194 THRU
4 HOLES
③ 3 REQD
.179-.183 DIA THRU
#12-24 UN-2B
.218 C BORE .04-.05 DEEP
INSTALL .01-.03 BELOW SURFACE
2.38
.20
.18
.938
2.680
3.20
.72
.41
.06 × 45°
.26
.541
.541

	5	AR	1016194	CASHMERE BLUE ENAMEL
	4	AR	MIL-P-8585	PRIMER (ES 2589)
	3	3	NAS1395C04L (1896999-241)	INSERT, SELF LOCKING
SEE NOTE 2B	2	1	2900909-002	BRACKET
SEE NOTE 2A	1	1	2900909-001	BASE
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900910-011	1901846-031

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS ±.02 ±.005 ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Hetchler DATE 29 OCT 65
CHECKED A. Udovich 2 NOV 65
APPROVAL D.R. Jackelsk 3 Nov 65
APPROVAL 12-10-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL
Charleston 2 Nov 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET, MOUNTING, INDICATORS
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900909
SCALE FULL
SHEET 1 OF 1

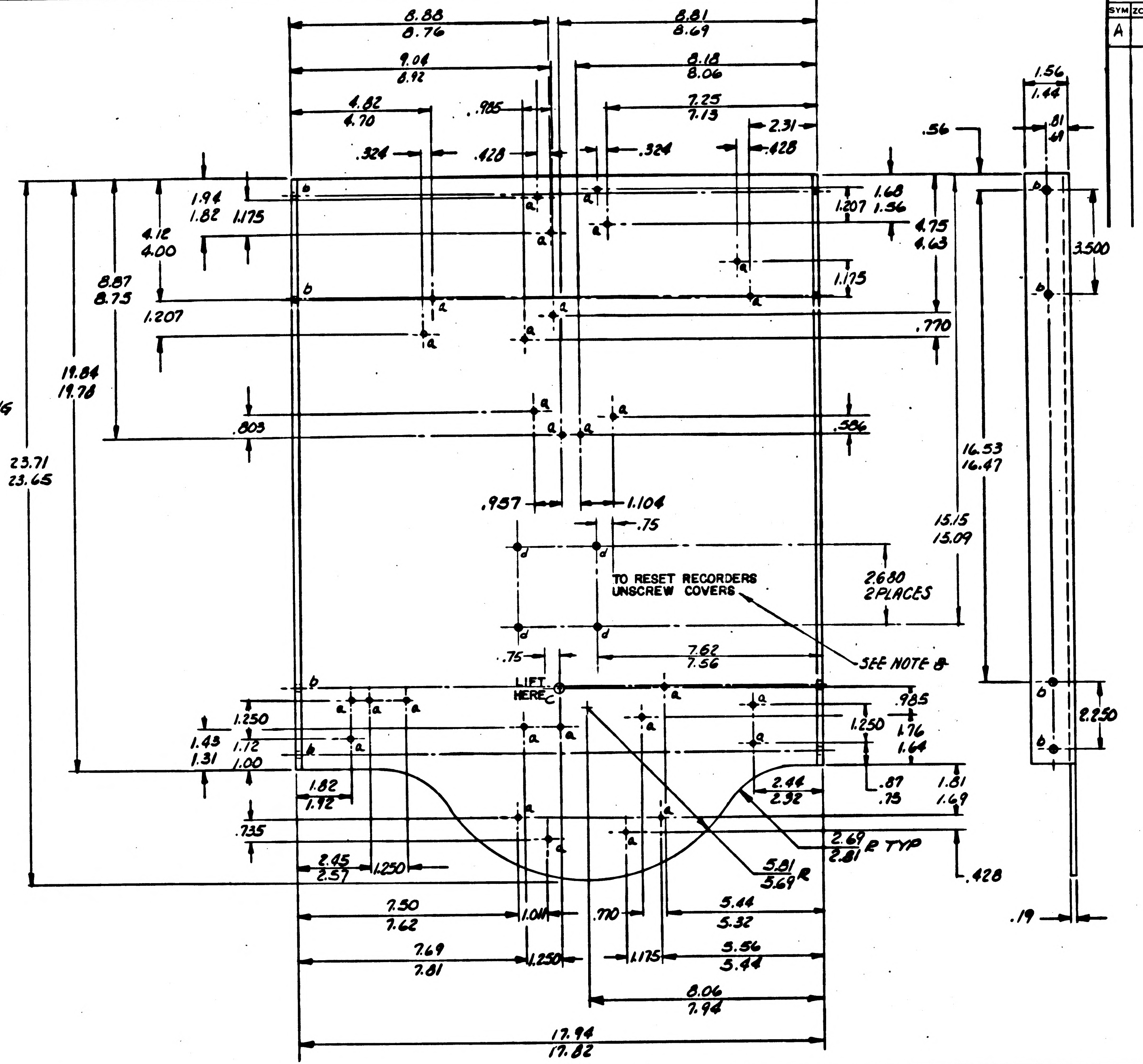
MIL 1077D-K

A | 2900913 | 2

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 25376		29 DEC 65	

NOTES
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MUST BE FREE FROM BURRS AND SHARP CORNERS.
3. ALL INSIDE BEND RADII $^{.12}_{.25}$ R.
4. MATERIAL: ALUMINUM ALLOY PER QQ-A-250/8 TEMPER H32 (TYPE 5052, ES 2105).
5. FINISH: APPLY P513 OF MIL-F-14072. APPLY MIL-P-8585, PRIMER, AND TWO COATS OF 1016194, CASHMERE BLUE ENAMEL.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
7. HOLE SYMBOLS ARE FOR MANUFACTURING REFERENCE.
8. CHARACTERS TO BE MARKED .25 HIGH COLOR BLACK IN POSITION SHOWN PER ND1002019.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1.207
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.803
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23.65
16.53
16.47
.957
1.104
.75
15.15
15.09
TO RESET RECORDERS UNSCREW COVERS
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.75
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7.56
SEE NOTE 8
LIFT HERE
.985
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1.250
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1.64
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1.12
1.00
2.250
1.82
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2.44
2.32
.87
.75
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2.69
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2.45
2.57
1.250
5.81
5.69 R
.428
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.770
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5.32
.19
7.69
7.81
1.250
1.175
5.56
5.44
8.06
7.94
17.94
17.82
a
b
c
d

HOLE SYM	QTY	DESCRIPTION
a	28	.190 DIA. THRU
b	8	.228 DIA. THRU
c	1	.328 DIA. THRU
d	4	.186-.194 DIA. THRU

1901846-031	1901846-031
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - DECIMALS ±.02 ±.005 ANGLES + -
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 4
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
ACSP PN
DRAWN E. Litzau 8 NOV. 1965 DATE
CHECKED G. Usovich 11 NOV 65
APPROVAL 11 NOV. 65
APPROVAL 1-14-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SHELF, CABLE

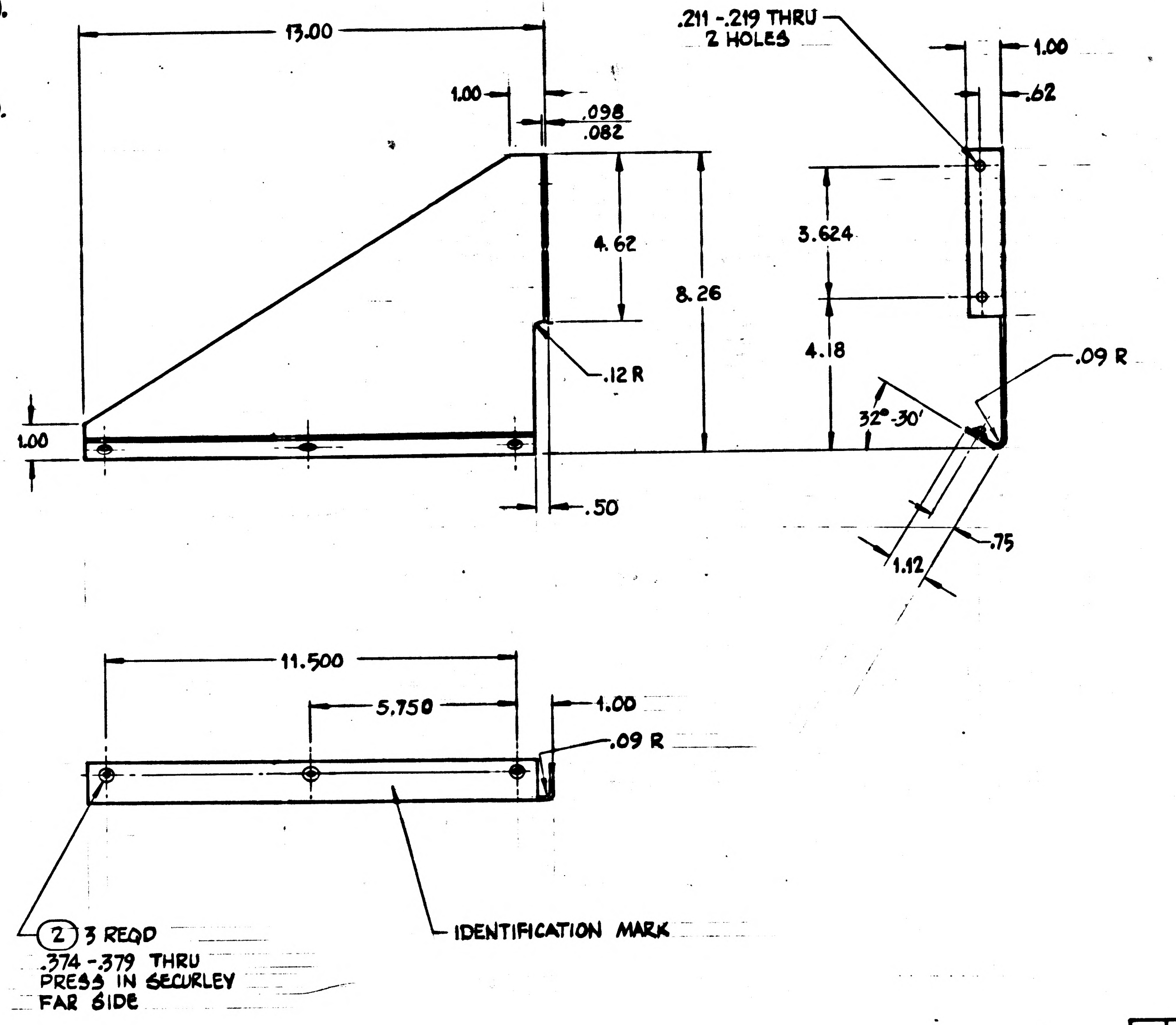
CODE IDENT NO. 99974
SIZE D
2900913
SCALE 1/2
SHEET 1 OF 1

9 NOV 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM - SEE SPEC CONTROL DRAWING.
3. MATERIAL: QQ-A-250/8 TEMPER H32 AL ALY (5052 ES2105).
4. MUST BE FREE FROM BURRS & SHARP CORNERS.
5. FINISH: APPLY FINISH P513 OF MIL-F-14072 USING ITEM ③ AND TWO COATS OF ITEM ④
6. IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES267).

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO 61273		30 NOV 65	
	B	REVISED PER MXC-207586		3 JAN 66	PAT
	C	INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMS



13.00
1.00
.098
.082
.211 -.219 THRU
2 HOLES
1.00
.62
4.62
8.26
3.624
4.18
.12 R
.09 R
32°-30'
1.00
.50
.75
1.12
11.500
5.750
1.00
.09 R
IDENTIFICATION MARK
② 3 REQD
.374-.379 THRU
PRESS IN SECURLEY
FAR SIDE

4	AR	TT-E-529	ENAMEL, CLASS B, SEMI-GLOSS DARK GREY COLOR 26251 OF FED-STD-595
3	AR	MIL-P-8585	PRIMER, ZINC CHROMATE (ES2589)
2	3	1016097-003	NUT, STAKE FLOATING
1	1	2900918-001	BRACKET, SUPPORT
ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

SEE NOTE 2 (item 2)
SEE NOTE 3 (item 1)

LIST OF PARTS AND MATERIALS

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + - DECIMALS ±.02 ±.010 ANGLES ±1°
DO NOT SCALE THIS DRAWING
MATERIAL —

NEXT ASSY	USED ON
2900673-011	2900057-011
APPLICATION	

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN 10 Nov 65
CHECKED DATE 18 Nov 65
APPROVAL R.C. 19 Nov 65
APPROVAL 3/1/66
NASA APPROVAL A. G. METZGER
MIT APPROVAL
18 Nov 65

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

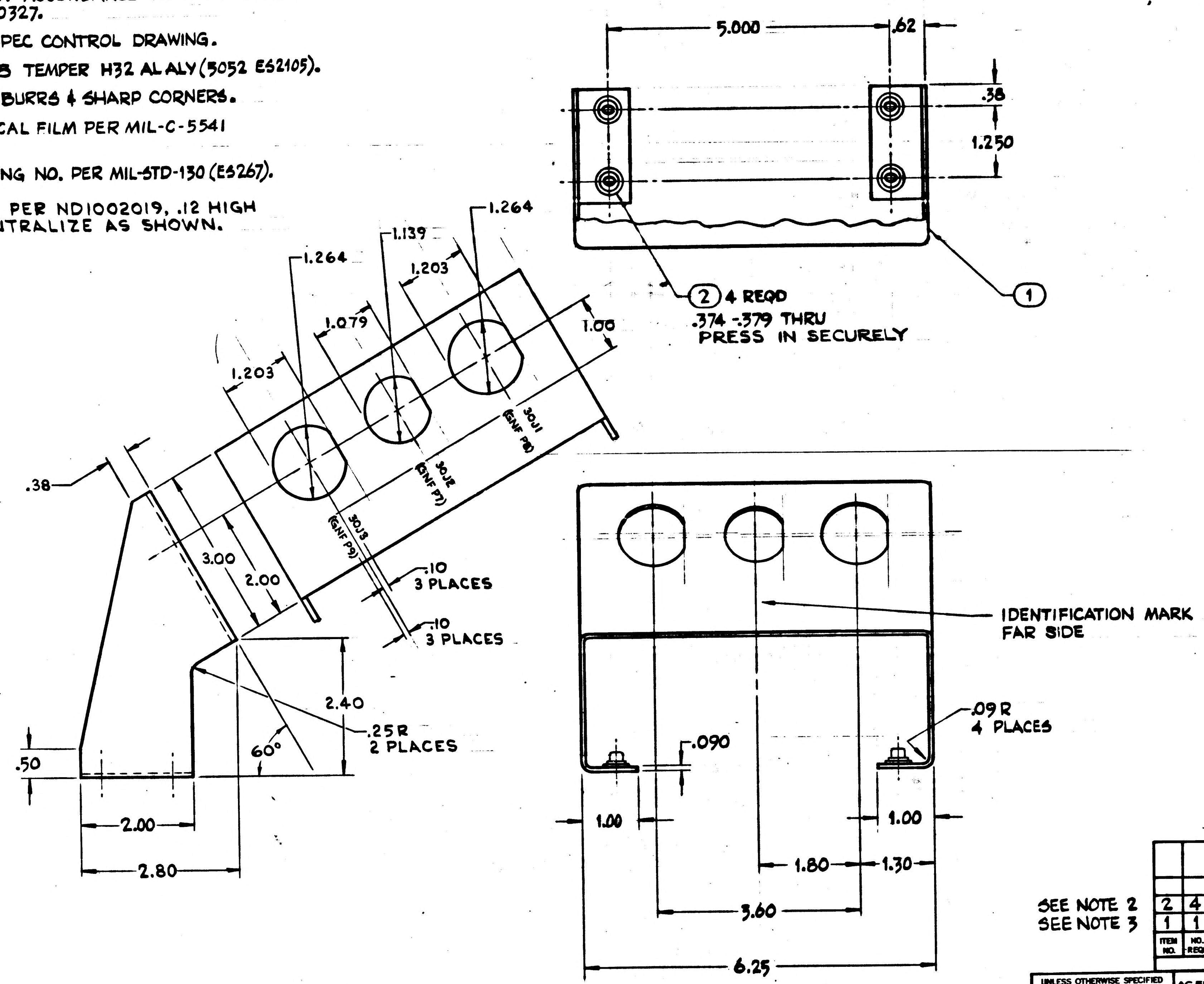
BRACKET, SUPPORT
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900918
SCALE 1:2
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. VENDOR ITEM- SEE SPEC CONTROL DRAWING.
3. MATERIAL: QQ-A-250/8 TEMPER H32 AL ALY (5052 ES2105).
4. MUST BE FREE FROM BURRS & SHARP CORNERS.
5. FINISH: APPLY CHEMICAL FILM PER MIL-C-5541 (ALODINE ES 591).
6. IDENTIFY USING DRAWING NO. PER MIL-STD-130 (ES267).
7. MARK CHARACTERS PER ND1002019, .12 HIGH COLOR BLACK, CENTRALIZE AS SHOWN.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER DO61284	—	3 DEC 65	KUX / JAC
	B	REVISED PER DO61354	—	16 DEC 65	
	C	INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMS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.62
.38
1.250
② 4 REQD
.374-.379 THRU
PRESS IN SECURELY
①
1.264
1.139
1.203
1.264
1.079
1.203
1.00
3OJ1 (ENF P10)
3OJ2 (ENF P7)
3OJ3 (ENF P9)
.38
3.00
2.00
.10 3 PLACES
.10 3 PLACES
2.40
.25R 2 PLACES
60°
.50
2.00
2.80
IDENTIFICATION MARK FAR SIDE
.09R 4 PLACES
.090
1.00
1.00
1.80
1.30
3.60
6.25

SEE NOTE 2
SEE NOTE 3

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
2	4	1016097-008	NUT, STAKE, FLOATING
1	1	2900919-001	BRACKET

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900673-011	2900067-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
±	±.02 ±.010	±

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Jenquin 10 Nov 65
CHECKED 18 Nov 65
APPROVAL R. C. [illegible] 14 Nov 65
APPROVAL [illegible] 3/1/66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL
Charleston 18 Nov 65

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

BRACKET, ELECTRICAL CONNECTOR
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900919
SCALE 1:2
SHEET 1 OF 1

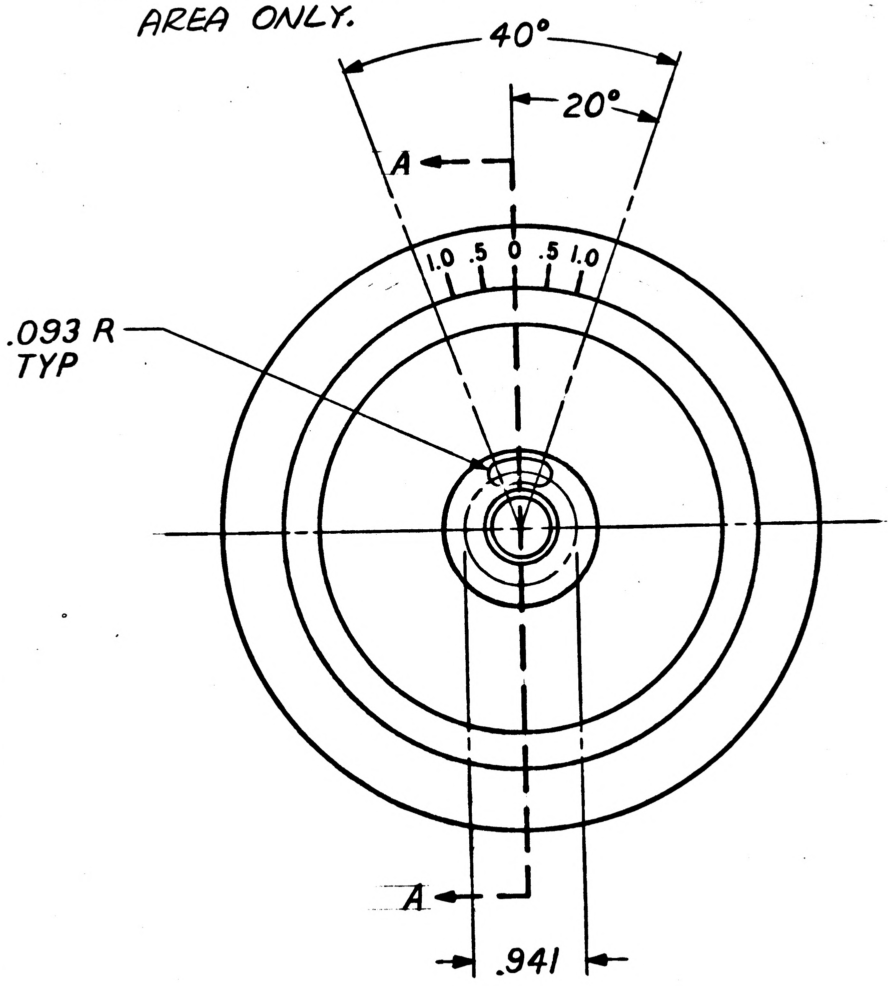
2900919

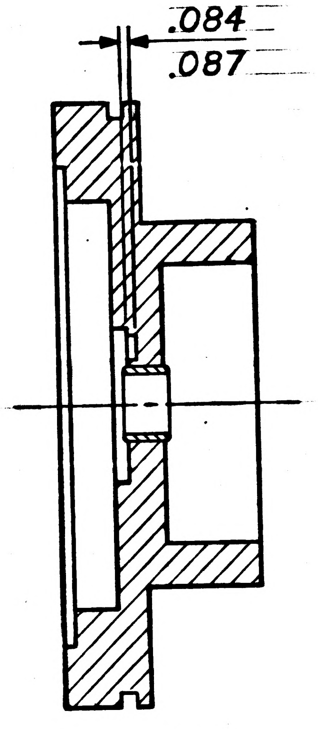
REVISIONS TORR 25436

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL CORNERS TO BE .005 TO .015 R. OR CHAMFER.
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MAKE FROM THETA INSTRUMENT CORPORATION PART NUMBER C-796-25 (1897352-006 REF).
5. SURFACE FINISH NOT TO EXCEED $\sqrt[32]{}$.
6. MIL-C-5541 CHEMICAL FILM TREATMENT, MACHINED AREA ONLY.





SECTION A-A

SCD

2900897	2900708-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± —	±.005	±2°

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 4

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Bender DATE 11-NOV-65
CHECKED [illegible] 12 Nov 65
APPROVAL Altenbach 12 Nov 65
APPROVAL [illegible] 12-10-65
NASA APPROVAL A. C. METZGER
MIT APPROVAL [illegible] 18 Jan 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HOUSING, DIAL
ALTERED COMMERICAL ITEM

CODE IDENT NO.	SIZE	
99974	C	2900921

SCALE FULL SHEET 1 OF 1

MIL 1077C—P

TDRR 24157

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL

APPLICATION

NEXT ASSY	USED ON
2900088-031	2900036-011

REV						
SHEET						
REV STATUS REV	+	+	+	+	+	+
OF SHEETS SHEET	1	2	3	4	5	6

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

ACSP PN
DRAWN 5 NOV 65 DATE
CHECKED 8 NOV 65
APPROVAL 8 NOV 65
APPROVAL
NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

LEAD SET B-B

CODE IDENT NO. 99974 | SIZE A | 2900923 | REV +
SCALE ~ | SHEET 1 OF 6

LEAD SET BB 2900923 +

NOTE NUMBER — GENERAL NOTES DESCRIPTION

1 NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LENGTHS SPECIFIED ARE FOR CONDUCTORS BEFORE ATTACHING TO AN ACCESSORY.

4 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEMS 4, OR 2 AND 3.

5 MARK LEAD IDENTIFICATION PER ND1002019.

LEAD TOLERANCE CHART

	LEAD LG	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+ .12-.00	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+ .50-.00	+.25-.25	+.25-.25	+.25-.25	
3 FT TO 10 FT	+1.00-.00				
10 FT AND OVER	+2.00-.00				

SIZE A | CODE IDENT NO. 99974 | 2900923
SCALE-NONE | REV LTR + | SHEET 2 OF 6

MIL 2084 9-65

LEAD SET BB 2900923 +

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900923-001	WIRE, ND1002181 TYPE 1, CLASS 1, 24AWG, WHT 10 FEET 4.5 INCHES TOTAL LENGTH
	2	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	3	AR	MIL-F-14256 TYPE A OR W	FLUX (ES2798)
	4	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

SIZE A | CODE IDENT NO. 99974 | 2900923
SCALE-NONE | REV LTR + | SHEET 3 OF 6

MIL 2084 9-65

LEAD SET BB 2900923 +

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
BB	1	1	6.40	P1-D TERM.16					.25 .25	YES YES			
BB	2	1	1.20	P1-D TERM.45					.25 .25	YES YES			
BB	3	1	4.80	P1-E TERM.30					.25 .25	YES YES			
BB	4	1	4.20	P1-F TERM.10					.25 .25	YES YES			
BB	5	1	3.10	P1-H TERM.25					.25 .25	YES YES			
BB	6	1	5.00	P1-J TERM.1					.25 .25	YES YES			
BB	7	1	6.40	P1-K TERM.6					.25 .25	YES YES			
BB	8	1	4.00	P1-L K1-1					.25 .25	YES YES			
BB	9	1	4.00	P1-M K1-5					.25 .25	YES YES			
BB	10	1	3.00	P1-P TERM.44					.25 .25	YES YES			
BB	11	1	2.70	P1-P TERM.39					.25 .25	YES YES			
BB	12	1	2.30	P1-R TERM.47					.25 .25	YES YES			

SIZE A | CODE IDENT NO. 99974 | 2900923
SCALE-NONE | REV LTR + | SHEET 4 OF 6

MIL 2084 9-65

LEAD SET BB ▼ 2900923 ◆

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
BB 13	1	2.90	P1-S					.25	YES			
			K1-9					.25	YES			
BB 14	1	3.30	P1-T					.25	YES			
			K1-10					.25	YES			
BB 15	1	2.50	P1-U					.25	YES			
			K1-4					.25	YES			
BB 16	1	2.80	P1-V					.25	YES			
			K1-6					.25	YES			
BB 17	1	2.90	P1-W					.25	YES			
			K1-7					.25	YES			
BB 18	1	2.20	P1-X					.25	YES			
			K1-2					.25	YES			
BB 19	1	1.60	P1-Y					.25	YES			
			K1-3					.25	YES			
BB 20	1	2.30	P1-7					.25	YES			
			K1-8					.25	YES			
BB 21	1	3.10	TERM.19					.25	YES			
			K1-9					.25	YES			
BB 22	1	1.40	TERM.33					.25	YES			
			K1-10					.25	YES			
BB 23	1	4.30	TERM.45					.25	YES			
			TERM.21					.25	YES			
BB 24	1	2.50	TERM.47					.25	YES			
			TERM.37					.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900923
SCALE-NONE	REV LTR ◆	SHEET 5 OF 6

MIL 2084 9-65

LEAD SET BB ▼ 2900923 ◆

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
BB 25	1	2.50	TERM.35					.25	YES			
			TERM.46					.25	YES			
BB 26	1	1.50	TERM.46					.25	YES			
			TERM.44					.25	YES			
BB 27	1	6.50	TERM.7					.25	YES			
			TERM.48					.25	YES			
BB 28	1	4.30	TERM.8					.25	YES			
			TERM.22					.25	YES			
BB 29	1	1.40	TERM.12					.25	YES			
			TERM.21					.25	YES			
BB 30	1	2.00	TERM.14					.25	YES			
			TERM.10					.25	YES			
BB 31	1	3.00	TERM.40					.25	YES			
			TERM.27					.25	YES			
BB 32	1	3.00	TERM.43					.25	YES			
			TERM.28					.25	YES			
BB 33	1	3.00	TERM.17					.25	YES			
			TERM.3					.25	YES			
BB 34	1	3.30	TERM.24					.25	YES			
			TERM.4					.25	YES			
BB 35	1	1.75	TERM.50					.25	YES			
			P1-N					.25	YES			
BB 36	1	2.75	TERM.49					.25	YES			
			P1-A					.25	YES			

SIZE	CODE IDENT NO.	
A	99974	2900923
SCALE-NONE	REV LTR ◆	SHEET 6 OF 6

MIL 2084 9-65

APPLICATION	
NEXT ASSY	USED ON
2900673-011 2900673-011	2900067-011 2900067-021

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (+) WITH CHANGE PER MXC 207354	8 DEC 65	RP
B	REVISED PER MXC 207587	29 DEC 65	JHP
C	REV. PER MXC 208931	10 FEB 66	OKD
D	REV. PER MXC 209140	14 FEB 66	PHG.
E	INITIAL RELEASE CLASS A PER TDRR 26766	15 FEB 65	JJJ

REV																						
SHEET																						
REV STATUS OF SHEETS REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN		DATE 11 NOV 65
CHECKED	W. Biehl	11 NOV '65
APPROVAL	R. C.	12 NOV 65
APPROVAL		3/1/66
NASA APPROVAL		
MIT APPROVAL	A. G. METZGER	
CONTRACT	NAS9-497	

WIRING HARNESS "C"
CRADLE ASSEMBLY, G AND N FIXTURE
BLOCK II

CODE IDENT NO.	SIZE		REV
99974	A	2900924	E
SCALE NONE		SHEET 1 OF 22	

WIRING HARNESS C 2900924 E

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 10.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 10.
5	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
6	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
7	APPLY LEAD IDENTIFICATIONS PER ND1002019 AT CENTER-TO-CENTER INTERVALS OF 1.2 INCHES.
8	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
9	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
10	DELETED
11	ASSEMBLE PER ND1002032
12	MARK IDENTIFICATION BAND AS NOTED IN CONFIGURATION, .12 HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
13	FILL THE SPACE BETWEEN WIRE BUNDLE AND CLAMP USING ITEM 11.
14	SEE NOTES 4,6,9,10 AND 12.

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR E	SHEET 2 OF 22	

MIL 2084 9-65

WIRING HARNESS C 2900924 E

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	SEE NOTES 4, 6 AND 17.
16	LOCATE E POINTS BETWEEN INDICATED DIMENSION. STAGGER TO REDUCE HARNESS BULK.
17	MARK IDENTIFICATION BAND AS NOTED IN TABLE 1, .12 HIGH, COLOR BLACK PER ND1002019. CENTRALIZE.
18	SPIRAL WRAP. HARNESS BUNDLE USING ITEM (12) WITH 50 PERCENT OVERLAY BETWEEN TURNS. BRANCH JUNCTIONS TO OVERLAY 1.5 INCHES MINIMUM. WIRE MESH TO BE SECURED USING ITEM (20). WIRE MESH ENDS TO BE TERMINATED PER CONFIGURATION DRAWING.
19	SECURE BOTH ENDS OF LEADS C164 THRU C168 TO CABLE BUNDLE USING ITEM (10).
20	NOTE 7 NOT APPLICABLE TO LEADS FABRICATED FROM ITEM (12). NO IDENTIFICATION REQUIRED.
21	NOT NECESSARY TO FILL UNUSED CONNECTOR PINS WITH CONTACTS OR PLUGS

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR E	SHEET 3 OF 22	

MIL 2084 9-65

WIRING HARNESS C 2900924 E

NOTE NUMBER

GENERAL NOTES DESCRIPTION

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR E	SHEET 4 OF 22	

MIL 2084 9-65

WIRING HARNESS C 2900924 E

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
6	1	1	1897247-001	CONNECTOR, RECEPTACLE, ELECT.
6	2	1	1897252-108	CONNECTOR, RECEPTACLE, ELECT.
6	3	1	1897252-102	CONNECTOR, RECEPTACLE, ELECT.
6	4	1	1897249-008	CONNECTOR, PLUG, ELECT.
6	5	1	1897249-002	CONNECTOR, PLUG, ELECT.
6	6	X	1897190- 1	CONTACT, PIN (FURNISHED WITH ITEMS 2 AND 3).
6	7	X	1897190- 2	CONTACT, SOCKET (FURN. WITH ITEMS 1,4 AND 5).
6	8	2	1010933-104	CABLE CLAMP
6	9	3	1010933-105	CABLE CLAMP
	10	AR	MIL-T-7138	LACING TAPE, TYPE P, CLASS 2, BLACK (ES2732 NO.18).
	11	AR	1901390	FILLER TAPE
6	12	AR	1010989	WIRE MESH, KNITTED-TAPE EMI/RFI SHIELDING
	15	1	2900924-001	WIRE, ND1002181, TYPE 1, CLASS 1, 22AWG WHITE FT TOTAL LENGTH.
	16		1010763-001	DELETED
6	17	35	1010490-232	INSULATED SLEEVING
14	18	6	1016128-011	IDENTIFICATION BAND

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 5 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

SEE NOTE

LIST OF MATERIALS

NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	20	AR	MIL-I-15126F	INSULATION-TAPE, ELEC. PRESSURE SENSITIVE THERMOSETTING ADHESIVE TAPE. .75 + - .03 WIDE (ES2716 TYPE C)
6	21	5	1016006-002	SPLICE REDUCER
6	22	5	1015902- 45	TERMINAL LUG
	23	1	2900924-002	WIRE, ND1002181, CLASS I, TYPE I, 20AWG, WHT, 40 INCHES TOTAL LENGTH.
6	24	5	1010490-258	INSULATION SLEEVING, ELEC. HEAT SHRINKABLE
6	25	~~25~~ 34	1010490-228	INSULATION SLEEVING
6	26	~~25~~ 34	1016006-001	SPLICE REDUCER

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 6 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 1	15		J4-3 P7-3					.15 .15	NO NO		6 7	
C 2	15		J4-7 P7-7					.15 .15	NO NO		6 7	
C 3	15		J4-8 P7-8					.15 .15	NO NO		6 7	
C 4	15		J4-9 P7-9					.15 .15	NO NO		6 7	
C 5	15		J4-10 P7-10					.15 .15	NO NO		6 7	
C 6	15		J4-12 P7-12					.15 .15	NO NO		6 7	
C 7	15		J4-16 P7-16					.15 .15	NO NO		6 7	
C 8	15		J4-17 P7-17					.15 .15	NO NO		6 7	
C 9	15		J4-21 P7-21					.15 .15	NO NO		6 7	
C 10	15		J4-22 P7-22					.15 .15	NO NO		6 7	
C 11	15		J4-24 P7-24					.15 .15	NO NO		6 7	
C 12	15		J4-25 P7-25					.15 .15	NO NO		6 7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 7 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 13	15		J4-26 P7-26					.15 .15	NO NO		6 7	
C 14	15		J4-27 P7-27					.15 .15	NO NO		6 7	
C 15	15		J4-28 E1-8					.15 .25	NO NO		6	
C 16	15		E1-8 P7-28					.25 .15	NO NO		 7	
C 17	15		E1-8B J3-31					.25 .15	NO NO		 7	
C 18	15		J4-29 E2-8					.15 .25	NO NO		6	
C 19	15		E2-8 P7-29					.25 .15	NO NO		 7	
C 20	15		E2-8B J3-35					.25 .15	NO NO		 7	
C 21	15		J4-36 P7-36					.15 .15	NO NO		6 7	
C 22	15		J4-37 P7-37					.15 .15	NO NO		6 7	
C 23	15		J4-38 P7-38					.15 .15	NO NO		6 7	
C 24	15		J4-39 P7-39					.15 .15	NO NO		6 7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 8 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 25	15		J4-41 P7-41					.15 .15	NO NO		6 7	
C 26	15		J4-42 P7-42					.15 .15	NO NO		6 7	
C 27	15		J4-43 P7-43					.15 .15	NO NO		6 7	
C 28	15		J4-44 P7-44					.15 .15	NO NO		6 7	
C 29	15		J4-46 P7-46					.15 .15	NO NO		6 7	
C 30	15		J4-49 E3-B					.15 .25	NO NO		6	
C 31	15		E3-B P7-49					.25 .15	NO NO		7	
C 32	15		E3-BB J3-32					.25 .15	NO NO		7	
C 33	15		J4-51 E4-B					.15 .25	NO NO		6	
C 34	15		E4-B P7-51					.25 .15	NO NO		7	
C 35	15		E4-BB J3-34					.25 .15	NO NO		7	
C 36	15		J4-52 E5-B					.15 .25	NO NO		6	

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR	E	SHEET 9 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 37	15		E5-B J7-52					.25 .15	NO NO		7	
C 38	15		E5-BB J3-74					.25 .15	NO NO		7	
C 39	15		J4-53 E6-B					.15 .25	NO NO		6	
C 40	15		E6-B J7-53					.25 .15	NO NO		7	
C 41	15		E6-BB J3-73					.25 .15	NO NO		7	
C 42	15		J4-57 P7-57					.15 .15	NO NO		6 7	
C 43	15		J4-58 P7-58					.15 .15	NO NO		6 7	
C 44	15		J4-59 P7-59					.15 .15	NO NO		6 7	
C 45	15		J4-61 P7-61					.15 .15	NO NO		6 7	
C 46	15		J5-3 E7-B					.15 .25	NO NO		6	
C 47	15		E7-B P8-3					.25 .15	NO NO		7	
C 48	15		E7-BB J3-3					.25 .15	NO NO		7	

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR	E	SHEET 10 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 49	15		J5-4 J3-26					.15 .25	NO NO		6	
C 50	15		J3-83 P8-4					.25 .15	NO NO		7	
C 51	15		J5-5 J3-25					.15 .15	NO NO		6 7	
C 52	15		J3-82 P8-5					.15 .15	NO NO		7 7	
C 53	15		J5-7 E10-B					.15 .25	NO NO		6	
C 54	15		E10-B P8-7					.25 .15	NO NO		7	
C 55	15		E10-BB J3-29					.25 .15	NO NO		7	
C 56	15		J5-8 E11-B					.15 .25	NO NO		6	
C 57	15		E11-B P8-8					.25 .15	NO NO		7	
C 58	15		E11-BB J3-30					.25 .15	NO NO		7	
C 59	15		J5-11 E12-B					.15 .25	NO NO		6	
C 60	15		E12-B P8-11					.25 .15	NO NO		7	

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR	E	SHEET 11 OF 22

MIL 2084 9-65

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 61	15		E12-BB J3-4					.25 .15	NO NO		7	
C 62	15		J5-12 E13-B					.15 .25	NO NO		6	
C 63	15		E13-B P8-12					.25 .15	NO NO		7	
C 64	15		E13-BB J3-66					.25 .15	NO NO		7	
C 65	15		E13-BB J3-68					.25 .15	NO NO		7	
C 66	15		E13-BB J3-70					.25 .15	NO NO		7	
C 67	15		J5-13 E14-B					.15 .25	NO NO		6	
C 68	15		E14-B P8-13					.25 .15	NO NO		7	
C 69	15		E14-BB J3-67					.25 .15	NO NO		7	
C 70	15		J5-14 J3-27					.15 .15	NO NO		6 7	
C 71	15		J3-84 P8-14					.15 .15	NO NO		7 7	
C 72	15		J5-15 J3-24					.15 .15	NO NO		6 7	

SIZE	CODE IDENT NO.		
A	99974	2900924	
SCALE-NONE	REV LTR	E	SHEET 12 OF 22

MIL 2084 9-65

WIRING HARNESS C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 73	15		J3-81 P8-15					.15 .15	NO NO		7 7	
C 74	15		J5-22 E17-B					.15 .25	NO NO		6	
C 75	15		E17-B P8-22					.25 .15	NO NO		7	
C 76	15		E17-BB J3-46					.25 .15	NO NO		7	
C 77	15		J5-23 E16-B					.15 .25	NO NO		6	
C 78	15		E18-B P8-23					.25 .15	NO NO		7	
C 79	15		E18-BB J3-1					.25 .15	NO NO		7	
C 80	15		J5-24 E19-B					.15 .25	NO NO		6	
C 81	15		E19-B P8-24					.25 .15	NO NO		7	
C 82	15		E19-BB J3-2					.25 .15	NO NO		7	
C 83	15		J5-25 E20-B					.15 .25	NO NO		6	
C 84	15		E20-B P8-25					.25 .15	NO NO		7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 13 OF 22

WIRING HARNESS C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 85	15		E20-BB J3-5					.25 .15	NO NO		7	
C 86	15		J5-26 E21-B					.15 .25	NO NO		6	
C 87	15		E21-B P8-26					.25 .15	NO NO		7	
C 88	15		E21-BB J3-69					.25 .15	NO NO		7	
C 89	15		J5-27 P8-27					.15 .15	NO NO		6 7	
C 90	15		J5-28 E22-B					.15 .25	NO NO		6	
C 91	15		E22-B P8-28					.25 .15	NO NO		7	
C 92	15		E22-BB J3-41					.25 .15	NO NO		6	
C 93	15		J5-29 P8-29					.15 .15	NO NO		7 6	
C 94	15		J5-30 J3-23					.15 .15	NO NO		7 6	
C 95	15		J3-80 P8-30					.15 .15	NO NO		7 7	
C 96	15		J5-31 P8-31					.15 .15	NO NO		6 7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 14 OF 22

WIRING HARNESS C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 97	15		J5-33 P8-33					.15 .15	NO NO		6 7	
C 98	15		J5-34 P8-34					.15 .15	NO NO		6 7	
C 99	15		J5-35 P8-35					.15 .15	NO NO		6 7	
C 100	15		J5-39 E24-B					.15 .25	NO NO		6	
C 101	15		E24-B P8-39					.25 .15	NO NO		7	
C 102	15		E24-BB J3-47					.25 .15	NO NO		7	
C 103	15		J5-40 E25-B					.15 .25	NO NO		6	
C 104	15		E25-B P8-40					.25 .15	NO NO		7	
C 105	15		E25-BB J3-49					.25 .15	NO NO		7	
C 106	15		J5-42 E26-B					.15 .25	NO NO		6	
C 107	15		E26-B P8-42					.25 .15	NO NO		7	
C 108	15		E26-BB J3-77					.25 .15	NO NO		7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 15 OF 22

WIRING HARNESS C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 109	15		J5-43 E27-B					.15 .25	NO NO		6	
C 110	15		E27-B P8-43					.25 .15	NO NO		7	
C 111	15		E27-BB J3-7					.25 .15	NO NO		7	
C 112	15		J5-44 E28-B					.15 .25	NO NO		6	
C 113	15		E28-B P8-44					.25 .15	NO NO		7	
C 114	15		E28-BB J3-6					.25 .15	NO NO		7	
C 115	15		J5-46 E29-B					.15 .25	NO NO		6	
C 116	15		E29-B P8-46					.25 .15	NO NO		7	
C 117	15		E29-BB J3-37					.25 .15	NO NO		7	
C 118	15		J5-47 P8-47					.15 .15	NO NO		6 7	
C 119	15		J5-48 E30-B					.15 .25	NO NO		6	
C 120	15		E30-B P8-48					.25 .15	NO NO		7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 16 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 121	15		E30-BB J3-42					.25 .15	NO NO		 7	
C 122	15		J5-51 E31-B					.15 .25	NO NO		6 	
C 123	15		E31-B P8-51					.25 .15	NO NO		 7	
C 124	15		E31-BB J3-65					.25 .15	NO NO		 7	
C 125	15		J5-54 P8-54					.15 .15	NO NO		6 7	
C 126	15		J5-57 P8-57					.15 .15	NO NO		6 7	
C 127	15		J5-59 P8-59					.15 .15	NO NO		6 7	
C 128	15		J5-61 P8-61					.15 .15	NO NO		6 7	
C 129	15		J5-62 P8-62					.15 .15	NO NO		6 7	
C 130	15		J5-64 E32-B					.15 .25	NO NO		6 	
C 131	15		E32-B P8-64					.25 .15	NO NO		 7	
C 132	15		E32-BB J3-48					.25 .15	NO NO		 7	

SIZE A | CODE IDENT NO. 99974 | 2900924

SCALE-NONE | REV LTR E | SHEET 17 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 133	15		J5-66 E33-B					.15 .25	NO NO		6 	
C 134	15		E33-B P8-66					.25 .15	NO NO		 7	
C 135	15		E33-BB J3-76					.25 .15	NO NO		 7	
C 136	15		J5-68 E34-B					.15 .25	NO NO		6 	
C 137	15		E34-B P8-68					.25 .15	NO NO		 7	
C 138	15		E34-BB J3-8					.25 .15	NO NO		 7	
C 139	15		J5-69 E35-B					.15 .25	NO NO		6 	
C 140	15		E35-B P8-69					.25 .15	NO NO		 7	
C 141	15		E35-BB J3-9					.25 .15	NO NO		 7	
C 142	15		J5-71 E8-B					.15 .25	NO NO		6 	
C 143	15		E8-B P8-71					.25 .15	NO NO		 7	
C 144	15		E8-BB J3-38					.25 .15	NO NO		 7	

SIZE A | CODE IDENT NO. 99974 | 2900924

SCALE-NONE | REV LTR E | SHEET 18 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 145	15		J5-72 E9-B					.15 .25	NO NO		6 	
C 146	15		E9-B P8-72					.25 .15	NO NO		 7	
C 147	15		E9-BB J3-40					.25 .15	NO NO		 7	
C 148	15		J5-73 E15-B					.15 .25	NO NO		6 	
C 149	15		E15-B P8-73					.25 .15	NO NO		 7	
C 150	15		E15-BB J3-39					.25 .15	NO NO		 7	
C 151	15		J5-74 P8-74					.15 .15	NO NO		6 7	
C 152	15		J5-75 P8-75					.15 .15	NO NO		6 7	
C 153	15		J5-77 P8-77					.15 .15	NO NO		6 7	
C 154	15		J5-78 P8-78					.15 .15	NO NO		6 7	
C 155	15		J5-79 P8-79					.15 .15	NO NO		6 7	
C 156	15		J5-80 P8-80					.15 .15	NO NO		6 7	

SIZE A | CODE IDENT NO. 99974 | 2900924

SCALE-NONE | REV LTR E | SHEET 19 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 157	15		J5-81 P8-81					.15 .15	NO NO		6 7	
C 158	15		J5-82 P8-82					.15 .15	NO NO		6 7	
C 159	15		J5-83 P8-83					.15 .15	NO NO		6 7	
C 160	15		J5-84 P8-84					.15 .15	NO NO		6 7	
C 161			DELETED									
C 162			DELETED									
C 163	15		J5-85 P8-85					.15 .15	NO NO		6 7	
C 164	12		FREE END E36-B						NO NO			SEE NOTES 19 + 20
C 165	12		FREE END E38-B						NO NO			SEE NOTES 19 + 20
C 166	12		FREE END E41-B						NO NO			SEE NOTES 19 + 20
C 167	12		FREE END E43-B						NO NO			SEE NOTES 19 + 20
C 168	12		FREE END E44-B						NO NO			SEE NOTES 19 + 20

SIZE A | CODE IDENT NO. 99974 | 2900924

SCALE-NONE | REV LTR E | SHEET 20 OF 22

WIRING HARNESS C 2900924 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
C 169	23	6.00	E36-BB					.38	NO			
			E37					.20	NO			
C 170	23	6.00	E38-BB					.38	NO			
			E39					.20	NO			
C 171	23	6.00	E41-BB					.38	NO			
			E40					.20	NO			
C 172	23	6.00	E43-BB					.38	NO			
			E42					.20	NO			
C 173	23	6.00	E44-BB					.38	NO			
			E45					.20	NO			
C 174	15		J5-67					.15	NO		6	
			E46-B					.25	NO			
C 175	15		P8-67					.15	NO		6	
			E46-B					.25	NO			
C 176	15		J3-85					.15	NO		6	
			E46-BB					.25	NO			
C 177	15		J4-55					.15	NO		6	
			P7-55					.15	NO		7	

SIZE	CODE IDENT NO.	
A	99974	2900924
SCALE-NONE	REV LTR E	SHEET 21 OF 22

MIL 2064 9-65

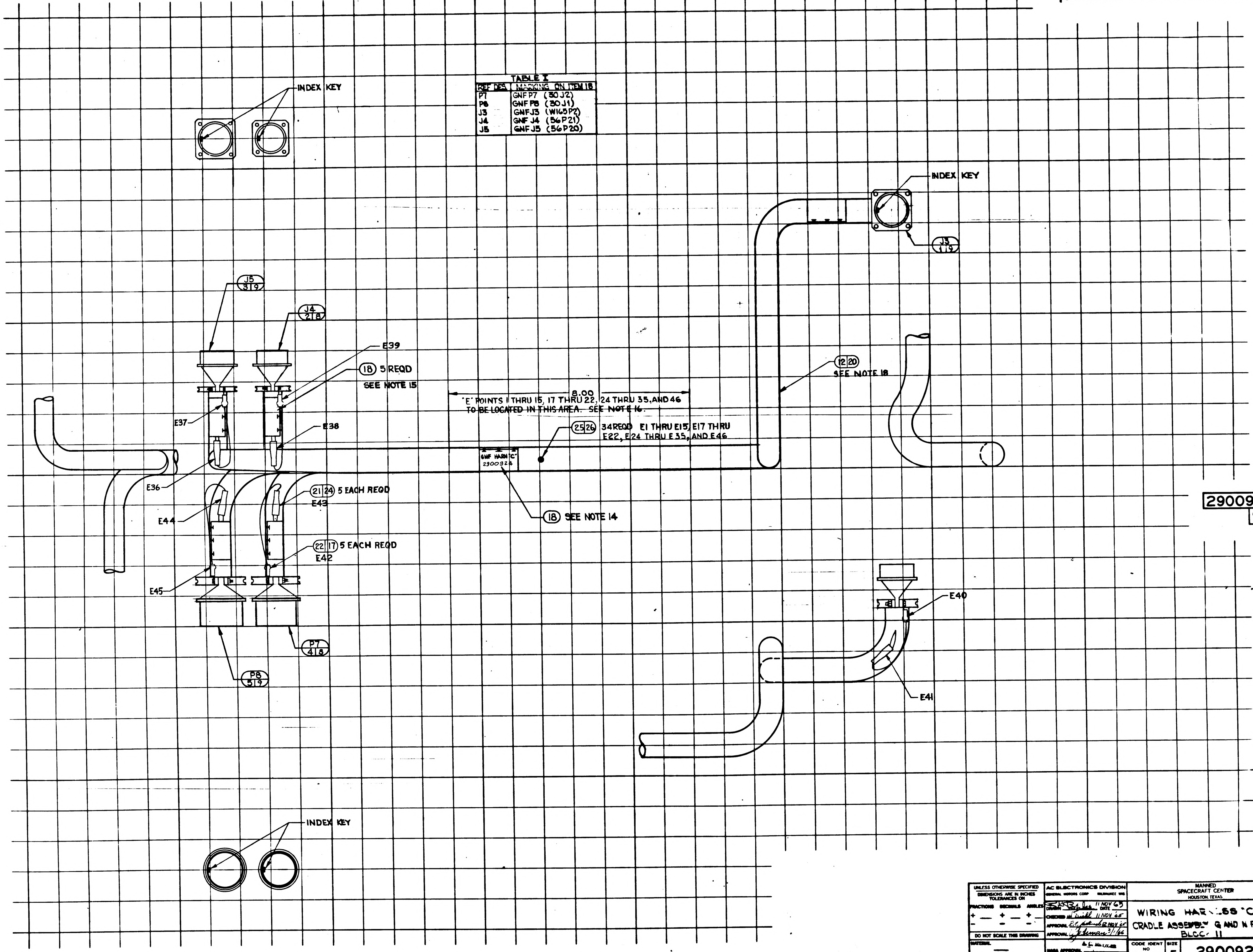
REVISIONS TDRR

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD

SEE SHEET 1 FOR REVISION RECORD

TABLE I

REF DES	MARKING ON ITEM 18
P7	GNF P7 (30 J2)
P8	GNF P8 (30 J1)
J3	GNF J3 (W165 P2)
J4	GNF J4 (56 P21)
J5	GNF J5 (56 P20)


INDEX KEY
INDEX KEY
J5 1 19
J5 3 19
J4 2 18
E39
18 5 REQD
SEE NOTE 15
8.00
"E" POINTS 1 THRU 15, 17 THRU 22, 24 THRU 35, AND 46
TO BE LOCATED IN THIS AREA. SEE NOTE 16.
25 26 34 REQD E1 THRU E15, E17 THRU
E22, E24 THRU E35, AND E46
12 20
SEE NOTE 18
E37
E38
E36
GNF HARN "C"
2900924
21 24 5 EACH REQD
E43
E44
18 SEE NOTE 14
22 17 5 EACH REQD
E42
E45
P7 4 18
P8 5 19
E40
E41
INDEX KEY

2900924
REV LTR E

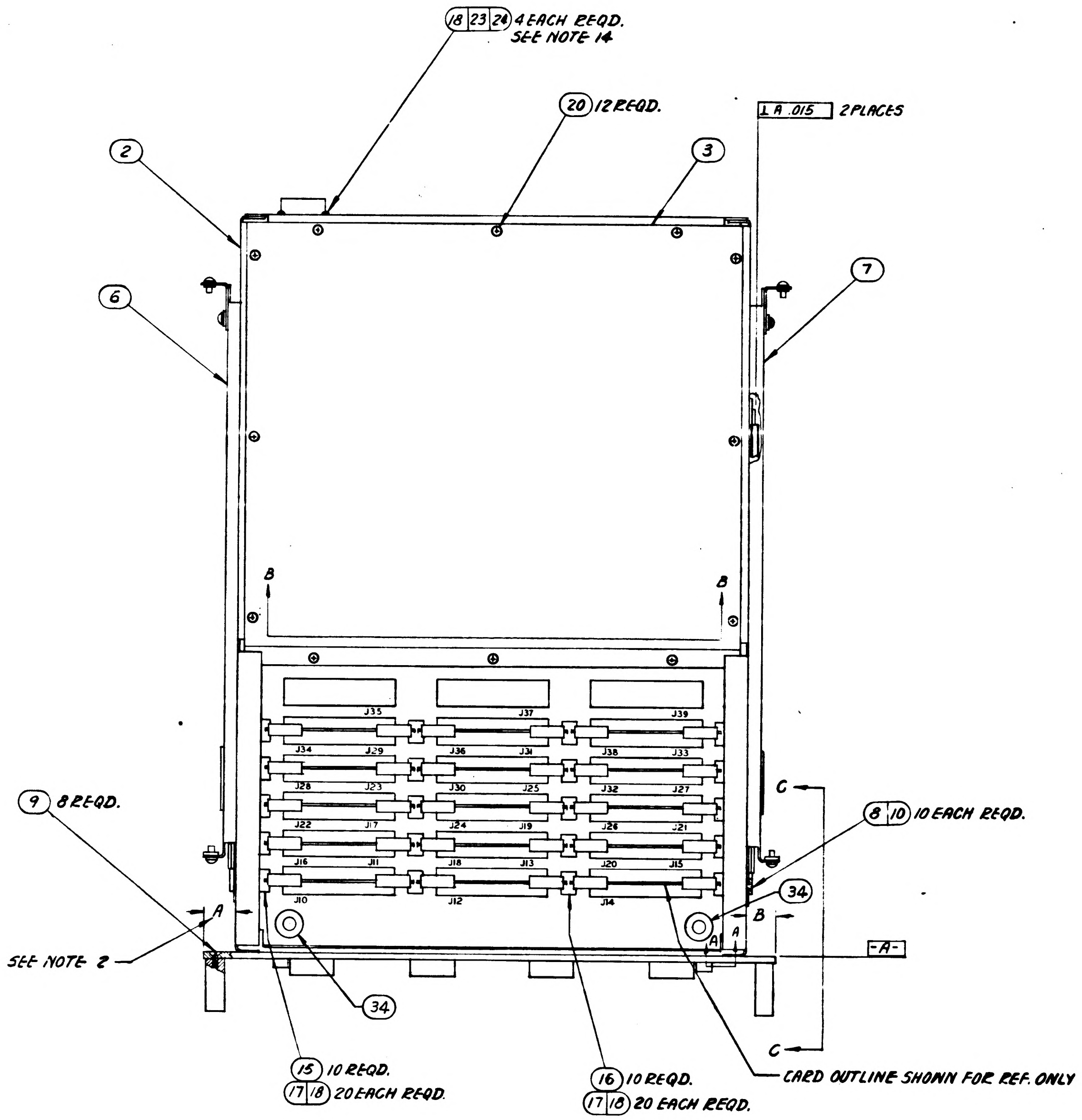
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES + — + — + — - - -	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS DRAWN Baker DATE 11 NOV 65 CHECKED W. Diehl 11 NOV 65 APPROVAL R.C. 12 NOV 65 APPROVAL 3/1/66	MANNED SPACECRAFT CENTER HOUSTON, TEXAS WIRING HARNESS "C" CRADLE ASSEMBLY G AND N FIXTURE BLOCK II
DO NOT SCALE THIS DRAWING MATERIAL —	A. G. Miller NASA APPROVAL	CODE IDENT NO 99974 · SIZE E · 2900924
CONTRACT NAS9-497	MIT APPROVAL	SCALE · SHEET 22 OF 22

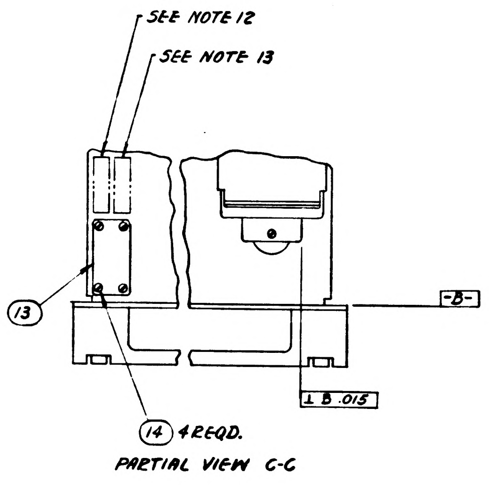
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARD PRESCRIBED BY MIL-D-70327.
2. DIMENSION "A" SHALL BE EQUAL TO DIMENSION "B" WITHIN .040.
3. SOLDER PER MIL-S-6872(ES 2505-1) USING ITEMS (26) & (27) OR ITEM (28).
4. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
5. SHIM TO FIT, PEEL OFF EXCESS SHIM STOCK.
6. DRAWER SLIDE MOUNTING SCREWS & FRONT PANEL MOUNTING MOUNTING SCREWS SHALL BE SUBJECTED TO A TORQUE OF 33-36.2 IN-LBS AT INSTALLATION.
7. SECURE SCREWS USING ITEM (29).
8. QUANTITY SPECIFIED "AR" INDICATES AS REQUIRED.
9. PARTIAL REFERENCE DESIGNATIONS ARE SHOWN. PREFIX WITH UNIT NUMBER OR ASSEMBLY DESIGNATION OR BOTH.

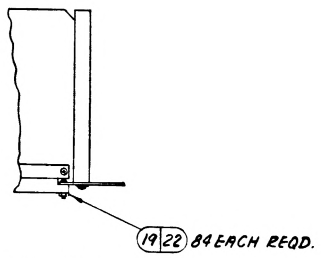
11. MARK APPLICABLE CONTRACT NUMBER & SERIAL NUMBER ON ITEM (13) IN ACCORDANCE WITH ND 1002023, LETTERS & NUMERALS TO BE .060 HIGH.
12. MARK WEIGHT OF ASSEMBLY (LBS) PER ND1002123 ADJACENT TO NAMEPLATE.
13. MARK "SCHEM" & APPLICABLE SCHEMATIC DRAWING NUMBER PER ND1002019, .12 HIGH, COLOR BLACK, BELOW OR ADJACENT TO WEIGHT MARKING.
14. INSTALL CONNECTOR WITH MASTER KEYWAY AT TOP.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	D	REPLACES REV C WITHOUT CHG. PER MXC 209592		MAR 66	J.H.F.
	E	REVISED PER MXC209745		16 MAR 66	
	F	REVISED PER MXC 211811		28 FEB 66	EF
	G	REVISED PER MXC211969		29 APR 66	EF
	H	INITIAL RELEASE CLASS A PER TDRR 28659		4 MAY 66	EF

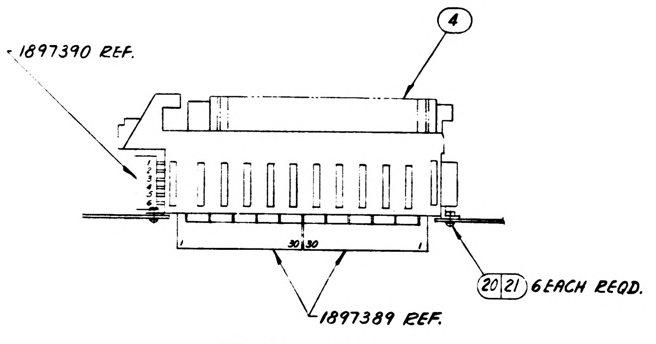

18 23 24 4 EACH REQD.
SEE NOTE 14
20 12 REQD.
⊥ A .015 2 PLACES
2
3
6
7
B
B
J35
J37
J39
J34
J29
J36
J31
J38
J33
J28
J23
J30
J25
J32
J27
J22
J17
J24
J19
J26
J21
J16
J11
J18
J13
J20
J15
J10
J12
J14
9 8 REQD.
C
8 10 10 EACH REQD.
34
A
A
B
-A-
SEE NOTE 2
34
C
15 10 REQD.
17 18 20 EACH REQD.
16 10 REQD.
17 18 20 EACH REQD.
CARD OUTLINE SHOWN FOR REF. ONLY


SEE NOTE 12
SEE NOTE 13
13
-B-
⊥ B .015
14 4 REQD.

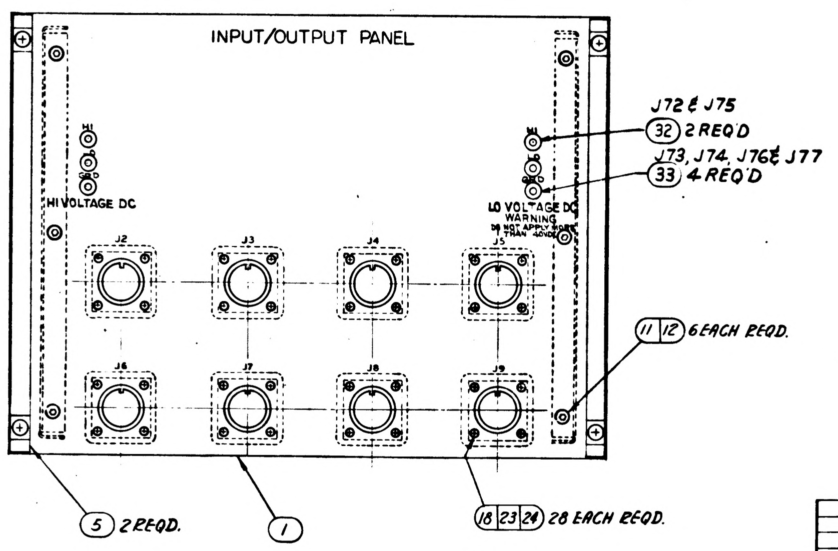
PARTIAL VIEW C-C


19 22 84 EACH REQD.

PARTIAL SECTION A-A


1897390 REF.
4
1897389 REF.
20 21 6 EACH REQD.

PARTIAL SECTION B-B
NO SCALE


INPUT/OUTPUT PANEL
HI VOLTAGE DC
LO VOLTAGE DC
WARNING
J2
J3
J4
J5
J6
J7
J8
J9
J72 & J75
32 2 REQ'D
J73, J74, J76 & J77
33 4 REQ'D
11 12 6 EACH REQD.
5 2 REQD.
1
18 23 24 28 EACH REQD.

	QUANTITY REQUIRED					EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				011					
				2			34	MS35490-13	GROMMET, RUBBER
SEE NOTE 4				4			33	1897302-002	JACK, BANANA TIP (BLACK)
SEE NOTE 4				2			32	1897302-001	JACK, BANANA TIP (RED)
				X			31	PS2900926	PROCUREMENT SPECIFICATION
				X			30	2901391	SCHEMATIC DIAGRAM
				AR			29	MIL-S-22473 GRADE H	SEALING COMPOUND (ES 2544-5)
				AR			28	SN60 WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR			27	MIL-F-14256 TYPE A OR W	FLUX (ES 2798)
				AR			26	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				1			25	2901064	WIRING HARNESS "A"
				32			24	AN960C6	WASHER, PLAIN
SEE NOTE 4				32			23	1016151-006	NUT, SELF LOCKING
SEE NOTE 4				84			22	1016151-004	NUT, SELF LOCKING
SEE NOTE 4				6			21	1016151-008	NUT, SELF LOCKING
				18			20	MS35216-41	SCREW, PAN HD.
				84			19	MS35216-16	SCREW, PAN HD.
				72			18	MS35216-26	SCREW, PAN HD.
				40			17	MS35333-71	WASHER, LOCK, INT. TOOTH
				10			16	1900391	BRACKET HOLDER, DOUBLE
				10			15	1900390	BRACKET HOLDER, SINGLE
				4			14	MS35216-1	SCREW-PAN HD.
				1			13	1004260-164	NAMEPLATE
				6			12	AN363C1032	(1896990-011) NUT
SEE NOTE 4				6			11	1006783-45	SCREW, BUTTON HD.
SEE NOTE 4				10			10	1015826-304	SCREW, FLAT HD.
				8			9	AN507C832R12	(1897003-568) SCREW FLAT HD.
SEE NOTE 4 & 5				10			8	1016005-001	SHIM-LAMINATED
SEE NOTE 4				1			7	1015791-009	SLIDE ASSY. R.H.
SEE NOTE 4				1			6	1015791-010	SLIDE ASSY. L.H.
				2			5	1900015-081	HANDLE ASSY.
SEE NOTE 4				1			4	1901740	SWITCH, CROSSBAR
				1			3	2901008	COVER, PROTECTIVE
				1			2	2901009	CHASSIS INSEP. ASSY.
				1			1	2901007	FRONT PANEL

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900895-011	2900895-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± ___ 3 PLACE DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL ___
REFERENCE: (MX116255)
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN R.W. HEISEL DATE
CHECKED P. FESLER 16 FEB 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

INPUT/OUTPUT ELECTRONICS
ASSEMBLY

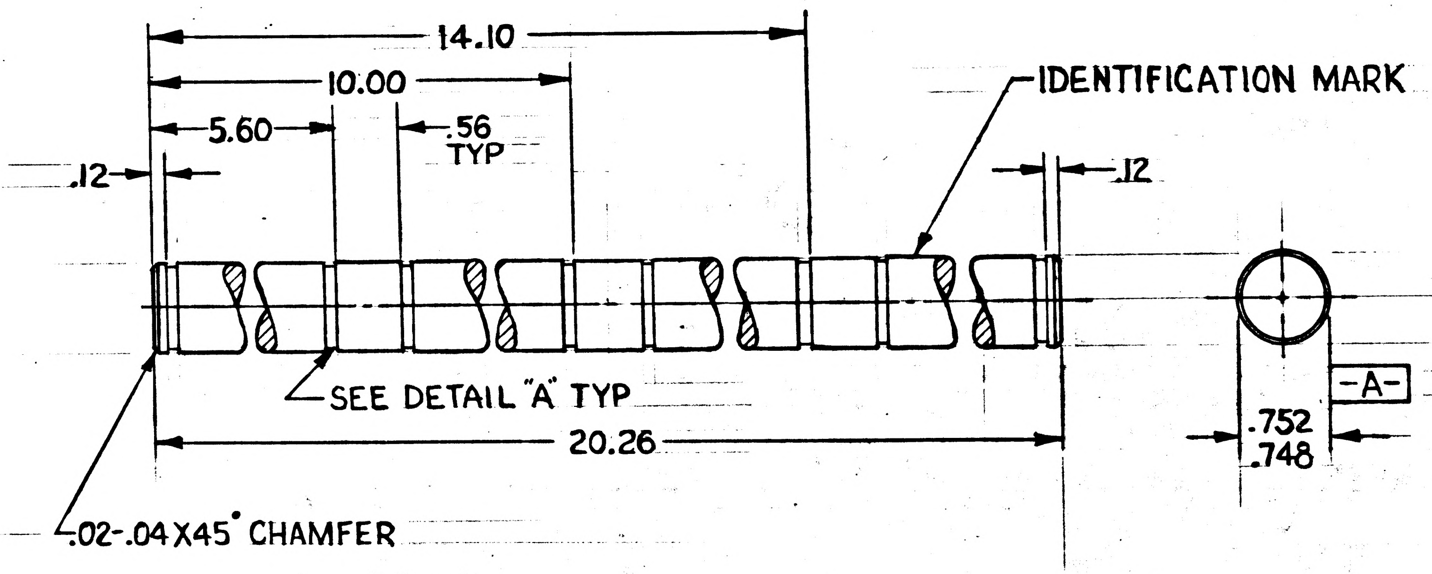
SIZE
CODE IDENT NO. 99974
2900926
SCALE 1:2
SHEET 1 OF 1

REVISIONS

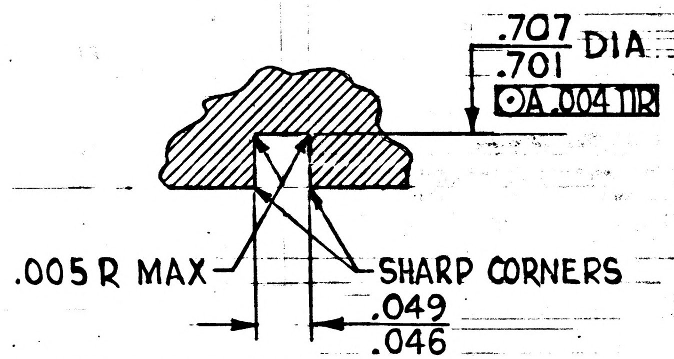
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMG

NOTES:-

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-225/6, TEMPER T351, (ES 2104, AL ALY 2024 T351)
3. FINISH: MIL-A-8625 TYPE I (ES 385 ANODIZE).
4. UNLESS OTHERWISE SPECIFIED:
   - (a) ALL CORNERS TO BE .005 TO .015 R OR CHAMFER.
   - (b) SURFACE ROUGHNESS SHALL NOT EXCEED 125✓
5. MUST BE FREE FROM BURRS.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



14.10
10.00
5.60
.56 TYP
.12
.12
IDENTIFICATION MARK
SEE DETAIL "A" TYP
20.26
-A-
.752
.748
.02-.04 X 45° CHAMFER



.707
.701 DIA
⊙ A .004 TIR
.005 R MAX
SHARP CORNERS
.049
.046

DETAIL "A"
SCALE 10:1

2900673-011	2900067-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± — DECIMALS ±.02 ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J. Parks DATE 20 NOV 65
CHECKED [illegible] 7 DEC 65
APPROVAL R.C. [illegible] 20 Nov. 65
APPROVAL [illegible] 2/23/66
A. C. METZGER
NASA APPROVAL
MIT APPROVAL [illegible] Mar 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SHAFT, CABLE GUIDE

CODE IDENT NO. 99974
SIZE C
2900939
SCALE 1:1
SHEET 1 OF 1

Charleston
7 DEC 65

MIL 1077C—P

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND10C2019.

6 AT ASSEMBLY OF ITEM 5 TO ITEM 19, REMOVE 4 SELFLOCKING NUTS ~~ITEM 19 USING LOCATING PINS.~~ SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 19 USING LOCATING PINS. ~~ITEM 16 AND ITEM 21.~~

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
W - WHITE OR WHITE WITH LETTER W.

11 SERIALIZE PER ND1002C32.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C	SHEET 2 OF 22	

NOTE GENERAL NOTES

NUMBER DESCRIPTION

13 MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

14 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

15 ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C	SHEET 3 OF 22	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900947-001	WIRE,ND1002181 TYPE 1 CLASS 4 22AWG WHITE JKT. WHT 244 FT. TOTAL LENGTH
	2	1	2900947-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 30.5 FT TOTAL LENGTH
	3	1	2900947-003	ZIPPER TUBING PER ND1C02155 TYPE 1 GRAY 1.5 DIA 4FT. TOTAL LENGTH
7	4	61	1016369-421	CONTACT SOCKET
7	5	1	1897336-001	CONNECTOR
7	6	1	1897180-001	CONNECTOR
7	7	X	1897213-001	CONTACT,SOCKET,(FURNISHED WITH ITEM 6)
7	8	61	1010763-002	SOLDER SLEEVES
7	9	122	1010490-232	INSULATION SLEEVING,SHRINK FIT
7	10	7	1016006-002	SPLICE REDUCER
7	11	7	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		10159C2-003	DELETED
	13	1	2900947-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2 FT. TOTAL LENGTH
	14	1	2900947-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT. TOTAL LENGTH
7	15	2	1016128-C21	BAND IDENTIFICATION
	16		AN960C4	DELETED

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C	SHEET 4 OF 22	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B TYPE P, CLASS 2, BLACK	LACING TAPE
7	19	1	1897391	CLAMP CABLE, DUAL ENTRY
	20		1010490-166	DELETED
	21		MS35333-70	DELETED
7	22	1	1016369-721	CONTACT, SOCKET.
7	23	1	1016128-041	BAND, IDENTIFICATION

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C	SHEET 5 OF 22	

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 1B	2		E1-B SHLD A1					.25 .25	NO NO			
A 1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A 2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 2B	2		E1-B SHLD A2					.25 .25	NO NO			
A 2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A 3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 3B	2		E1-B SHLD A3					.25 .25	NO NO			
A 3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A 4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 4B	2		E1-B SHLD A4					.25 .25	NO NO			
A 4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 6 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 5B	2		E1-B SHLD A5					.25 .25	NO NO			
A 5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A 6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 6B	2		E1-B SHLD A6					.25 .25	NO NO			
A 6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A 7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 7B	2		E1-B SHLD A7					.25 .25	NO NO			
A 7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A 8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 8B	2		E1-B SHLD A8					.25 .25	NO NO			
A 8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 7 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 9B	2		E1-B SHLD A9					.25 .25	NO NO			
A 9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A 10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 10B	2		E1-B SHLD A10					.25 .25	NO NO			
A 10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A 11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 11B	2		E2-B SHLD A11					.25 .25	NO NO			
A 11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A 12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 12B	2		E2-B SHLD A12					.25 .25	NO NO			
A 12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 8 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 13B	2		E2-B SHLD A13					.25 .25	NO NO			
A 13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A 14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 14B	2		E2-B SHLD A14					.25 .25	NO NO			
A 14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A 15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 15B	2		E2-B SHLD A15					.25 .25	NO NO			
A 15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A 16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 16B	2		E2-B SHLD A16					.25 .25	NO NO			
A 16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 9 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2	E2-B SHLD A17					.25 .25	NO NO			
A	17W		P1-17 P2-C5					.15 .19	NO NO		7 4	
A	18	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2	E2-B SHLD A18					.25 .25	NO NO			
A	18W		P1-18 P2-C6					.15 .19	NO NO		7 4	
A	19	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	19B	2	E2-B SHLD A19					.25 .25	NO NO			
A	19W		P1-19 P2-C7					.15 .19	NO NO		7 4	
A	20	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	20B	2	E2-B SHLD A20					.25 .25	NO NO			
A	20W		P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C*		SHEET 10 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	21B	2	E3-B SHLD A21					.25 .25	NO NO			
A	21W		P1-21 P2-D1					.15 .19	NO NO		7 4	
A	22	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	22B	2	E3-B SHLD A22					.25 .25	NO NO			
A	22W		P1-22 P2-D2					.15 .19	NO NO		7 4	
A	23	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	23B	2	E3-B SHLD A23					.25 .25	NO NO			
A	23W		P1-23 P2-D3					.15 .19	NO NO		7 4	
A	24	1			3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	24B	2	E3-B SHLD A24					.25 .25	NO NO			
A	24W		P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C*		SHEET 11 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	25B	2	E3-B SHLD A25					.25 .25	NO NO			
A	25W		P1-25 P2-D5					.15 .19	NO NO		7 4	
A	26	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	26B	2	E3-B SHLD A26					.25 .25	NO NO			
A	26W		P1-26 P2-D6					.15 .19	NO NO		7 4	
A	27	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	27B	2	E3-B SHLD A27					.25 .25	NO NO			
A	27W		P1-27 P2-D7					.15 .19	NO NO		7 4	
A	28	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	28B	2	E3-B SHLD A28					.25 .25	NO NO			
A	28W		P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C*		SHEET 12 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	29B	2	E3-B SHLD A29					.25 .25	NO NO			
A	29W		P1-29 P2-E1					.15 .19	NO NO		7 4	
A	30	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	30B	2	E3-B SHLD A30					.25 .25	NO NO			
A	30W		P1-30 P2-E2					.15 .19	NO NO		7 4	
A	31	1			3.75 3.75	3.50 3.50				B,7 A,6A		
A	31B	2	E4-B SHLD A31					.25 .25	NO NO			
A	31W		P1-31 P2-E3					.15 .19	NO NO		7 4	
A	32	1			3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	32B	2	E4-B SHLD A32					.25 .25	NO NO			
A	32W		P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900947	
SCALE-NONE	REV LTR C*		SHEET 13 OF 22

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	33	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	33B	2		E4-B SHLD A33				.25 .25	NO NO			
A	33W		P1-33 P2-E5					.15 .19	NO NO		7 4	
A	34	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	34B	2	E4-B SHLD A34					.25 .25	NO NO			
A	34W		P1-34 P2-E6					.15 .19	NO NO		7 4	
A	35	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	35B	2	E4-B SHLD A35					.25 .25	NO NO			
A	35W		P1-35 P2-E7					.15 .19	NO NO		7 4	
A	36	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	36B	2	E4-B SHLD A36					.25 .25	NO NO			
A	36W		P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 14 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	37	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	37B	2	E4-B SHLD A37					.25 .25	NO NO			
A	37W		P1-37 P2-F1					.15 .19	NO NO		7 4	
A	38	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	38B	2	E4-B SHLD A38					.25 .25	NO NO			
A	38W		P1-38 P2-F2					.15 .19	NO NO		7 4	
A	39	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	39B	2	E4-B SHLD A39					.25 .25	NO NO			
A	39W		P1-39 P2-F3					.15 .19	NO NO		7 4	
A	40	1			4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A	40B	2	E4-B SHLD A40					.25 .25	NO NO			
A	40W		P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 15 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	41	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	41B	2	E5-B SHLD A41					.25 .25	NO NO			
A	41W		P1-41 P2-F5					.15 .19	NO NO		7 4	
A	42	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	42B	2	E5-B SHLD A42					.25 .25	NO NO			
A	42W		P1-42 P2-F6					.15 .19	NO NO		7 4	
A	43	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	43B	2	E5-B SHLD A43					.25 .25	NO NO			
A	43W		P1-43 P2-F7					.15 .19	NO NO		7 4	
A	44	1			4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A	44B	2	E5-B SHLD A44					.25 .25	NO NO			
A	44W		P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 16 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	45	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	45B	2	E5-B SHLD A45					.25 .25	NO NO			
A	45W		P1-45 P2-G1					.15 .19	NO NO		7 4	
A	46	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	46B	2	E5-B SHLD A46					.25 .25	NO NO			
A	46W		P1-46 P2-G2					.15 .19	NO NO		7 4	
A	47	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	47B	2	E5-B SHLD A47					.25 .25	NO NO			
A	47W		P1-47 P2-G3					.15 .19	NO NO		7 4	
A	48	1			4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A	48B	2	E5-B SHLD A48					.25 .25	NO NO			
A	48W		P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 17 OF 22.

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	49B	2		E5-B SHLD A49					.25 .25	NO NO			
A	49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A	50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	50B	2		E5-B SHLD A50					.25 .25	NO NO			
A	50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A	51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	51B	2		E6-B SHLD A51					.25 .25	NO NO			
A	51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A	52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	52B	2		E6-B SHLD A52					.25 .25	NO NO			
A	52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 18 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	53B	2		E6-B SHLD A53					.25 .25	NO NO			
A	53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A	54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	54B	2		E6-B SHLD A54					.25 .25	NO NO			
A	54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A	55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	55B	2		E6-B SHLD A55					.25 .25	NO NO			
A	55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A	56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	56B	2		E6-B SHLD A56					.25 .25	NO NO			
A	56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 19 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	57B	2		E6-B SHLD A57					.25 .25	NO NO			
A	57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A	58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	58B	2		E6-B SHLD A58					.25 .25	NO NO			
A	58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A	59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	59B	2		E6-B SHLD A59					.25 .25	NO NO			
A	59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A	60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	60B	2		E6-B SHLD A60					.25 .25	NO NO			
A	60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 20 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W501 2900947 C★

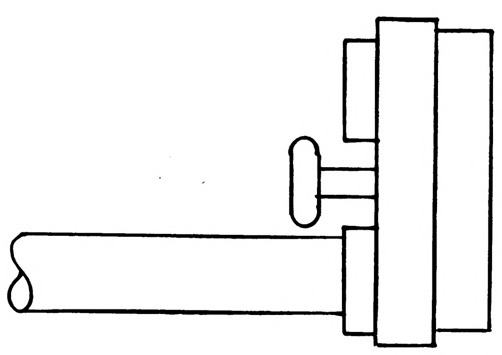
LEAD IDENT		WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	61B	2		E6-B SHLD A61					.25 .25	NO NO			
A	61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A	62	13		E1-BB E7-B					.25 .25	NO NO			
A	63	13		E2-BB E7-B					.25 .25	NO NO			
A	64	13		E3-BB E7-B					.25 .25	NO NO			
A	65	13		E4-BB E7-B					.25 .25	NO NO			
A	66	13		E5-BB E7-B					.25 .25	NO NO			
A	67	13		E6-BB E7-B					.25 .25	NO NO			
A	68	14		E7-BB P2-X6					.25 .20	NO NO		 22	

SIZE	CODE IDENT NO.	
A	99974	2900947
SCALE-NONE	REV LTR C★	SHEET 21 OF 22

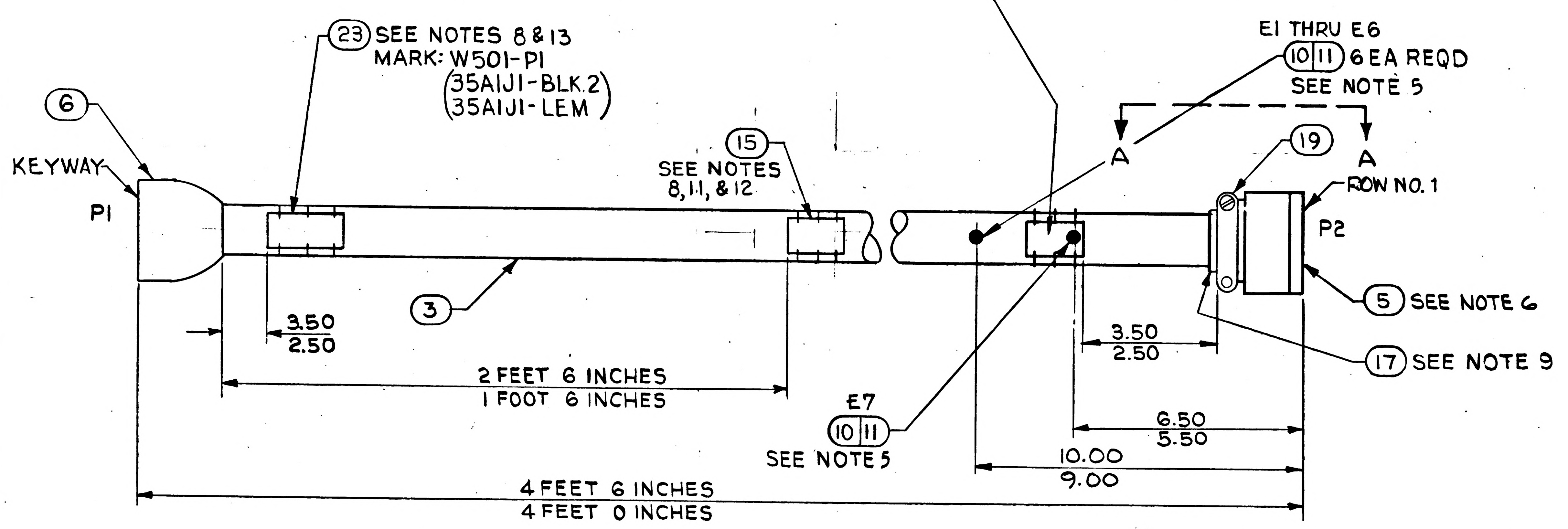
MIL 2084 9-65

2900947 C

REVISIONS TDRR 28599					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A


(15) SEE NOTES 8 & 13
MARK: W501-P2
(BB-J1/J3)
(23) SEE NOTES 8 & 13
MARK: W501-P1
(35A1J1-BLK.2)
(35A1J1-LEM)
(6)
KEYWAY
P1
(15)
SEE NOTES
8, 11, & 12
E1 THRU E6
(10)(11) 6 EA REQD
SEE NOTE 5
A
A
(19)
ROW NO. 1
P2
(3)
(5) SEE NOTE 6
(17) SEE NOTE 9
3.50
2.50
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E7
(10)(11)
SEE NOTE 5
6.50
5.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

2900947

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN-INCHES TOLERANCES ON 2 PLACE DECIMALS + — − 3 PLACE DECIMALS + — − ANGLES + — −	**AC ELECTRONICS DIVISION** GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN J. Parks DATE 2 DEC 65 CHECKED M. Manning 10 Jan 66 APPROVAL L Gedman 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W501
MATERIAL	NASA APPROVAL	SIZE C · CODE IDENT NO. 99974 · 2900947
APPROVAL	MIT APPROVAL 5-9-66	SCALE NONE · SHEET 22 OF 22

MIL-1082D D

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV - WITH CHANGE PER MXC-209982	16-MAR-66	B.
B	REVISED PER MXC210057	1 APR 66	R.W.T. JAC
C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	JHP EF

REV																							
SHEET																							
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Parks DATE 2 DEC 65
CHECKED M. Dramming 10 JAN 66
APPROVAL S. L. Reed 11 Jan 66
APPROVAL C. Gelman 5/3/66

NASA APPROVAL
MIT APPROVAL 5-9-66

CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W500

CODE IDENT NO.	SIZE		REV
99974	A	2900948	C

SCALE —

SHEET 1 OF 22

CABLE ASSEMBLY W500 2900948 C

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

4 APPLY LEAD IDENTIFICATIONS PER ND1002019.

5 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.

6 AT ASSEMBLY OF ITEM 5 TO ITEM 19, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 19 USING LOCATING PINS.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

10 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
W - WHITE OR WHITE WITH LETTER W.

11 SERIALIZE PER ND1002032.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900948
SCALE-NONE	REV LTR C	SHEET 2 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

NOTE GENERAL NOTES

NUMBER DESCRIPTION

13 MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

14 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

15 ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900948
SCALE-NONE	REV LTR C	SHEET 3 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900948-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHITE JKT. WHT. 244 FT TOTAL LENGTH
	2	1	2900948-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 30.5 FT TOTAL LENGTH
	3	1	2900948-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA 4 FT TOTAL LENGTH
7	4	61	1016369-421	CONTACT, SOCKET
5	5	1	1897336-001	CONNECTOR
7	6	1	1897176-001	CONNECTOR
7	7	X	1897213-003	CONTACT,PIN
7	8	61	1010763-002	SOLDER SLEEVES
7	9	122	1010490-232	INSULATION SLEEVING SHRINK FIT.
7	10	7	1016006-002	SPLICE REDUCER
7	11	7	1010490-258	INSULATION SLEEVING SHRINK FIT.
	12		1015902-003	DELETED
	13	1	2900948-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT. 2 FT. TOTAL LENGTH
	14	1	2900948-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT. 1 FT. TOTAL LENGTH
7	15	2	1016128-021	BAND IDENTIFICATION
	16		AN960C4	DELETED

SIZE	CODE IDENT NO.	
A	99974	2900948
SCALE-NONE	REV LTR C	SHEET 4 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B TYPE P, CLASS 2, BLACK	LACING TAPE
7	19	1	1897391	CLAMP CABLE, DUAL ENTRY
	20		1010490-166	DELETED
	21		MS35333-70	DELETED
7	22	1	1016369-721	CONTACT- SOCKET
7	23	1	1016128-041	BAND IDENTIFICATION

SIZE	CODE IDENT NO.	
A	99974	2900948
SCALE-NONE	REV LTR C	SHEET 5 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2		E2-B SHLD A17					.25 .25	NO NO			
A	17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A	18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2		E2-B SHLD A18					.25 .25	NO NO			
A	18W			P1-18 P2-C6					.15 .19	NO NO		7 4	
A	19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	19B	2		E2-B SHLD A19					.25 .25	NO NO			
A	19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A	20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	20B	2		E2-B SHLD A20					.25 .25	NO NO			
A	20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900948

SCALE-NONE | REV LTR C | SHEET 10 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	21B	2		E3-B SHLD A21					.25 .25	NO NO			
A	21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A	22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	22B	2		E3-B SHLD A22					.25 .25	NO NO			
A	22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A	23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	23B	2		E3-B SHLD A23					.25 .25	NO NO			
A	23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A	24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	24B	2		E3-B SHLD A24					.25 .25	NO NO			
A	24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900948

SCALE-NONE | REV LTR C | SHEET 11 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	25B	2		E3-B SHLD A25					.25 .25	NO NO			
A	25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A	26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	26B	2		E3-B SHLD A26					.25 .25	NO NO			
A	26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A	27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	27B	2		E3-B SHLD A27					.25 .25	NO NO			
A	27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A	28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	28B	2		E3-B SHLD A28					.25 .25	NO NO			
A	28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900948

SCALE-NONE | REV LTR C | SHEET 12 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	29B	2		E3-B SHLD A29					.25 .25	NO NO			
A	29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A	30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	30B	2		E3-B SHLD A30					.25 .25	NO NO			
A	30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A	31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A	31B	2		E4-B SHLD A31					.25 .25	NO NO			
A	31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A	32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	32B	2		E4-B SHLD A32					.25 .25	NO NO			
A	32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900948

SCALE-NONE | REV LTR C | SHEET 13 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE A CODE IDENT NO. 99974 2900948

SCALE-NONE REV LTR C SHEET 14 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE A CODE IDENT NO. 99974 2900948

SCALE-NONE REV LTR C SHEET 15 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE A CODE IDENT NO. 99974 2900948

SCALE-NONE REV LTR C SHEET 16 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W500 2900948 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE A CODE IDENT NO. 99974 2900948

SCALE-NONE REV LTR C SHEET 17 OF 22

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E6-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	13		E1-BB E7-B					.25 .25	NO NO			
A 63	13		E2-BB E7-B					.25 .25	NO NO			
A 64	13		E3-BB E7-B					.25 .25	NO NO			
A 65	13		E4-BB E7-B					.25 .25	NO NO			
A 66	13		E5-BB E7-B					.25 .25	NO NO			
A 67	13		E6-BB E7-B					.25 .25	NO NO			
A 68	14		E7-BB P2-X6					.25 .20	NO NO		 22	

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2901075-011	2901075-011	A	REPLACES REVISION (-) WITH CHANGE PER MXC 209983	11 MAR 66	RJJ
		B	REVISED PER MXC 210058	28 MAR 66	
		C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	JHP EF

REV																							
SHEET																							
REV STATUS	REV	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN J. Parks DATE 2 DEC 65
CHECKED M. Manning 10 JAN 66
APPROVAL E. Reed 11 Jan 66
APPROVAL L. Gehman 5/3/66

NASA APPROVAL
MIT APPROVAL 5.9.66

CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W503

CODE IDENT NO.	SIZE		REV
99974	A	2900949	C

SCALE —

SHEET 1 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND1002019.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	AT ASSEMBLY OF ITEM 5 TO ITEM 19, REMOVE 4 SELFLOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 19 USING LOCATING PINS.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
11	SERIALIZE PER ND1002032.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.			
A	99974	2900949		
SCALE-NONE	REV LTR	C	SHEET	2 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BANDS WITH DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.
14	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
15	ASSEMBLE PER ND1002032.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.			
A	99974	2900949		
SCALE-NONE	REV LTR	C	SHEET	3 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900949-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT. JKT. WHT. 244 FT TOTAL LENGTH
	2	1	2900949-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 30.5 FT TOTAL LENGTH
	3	1	2900949-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA 4 FT TOTAL LENGTH
7	4	61	1016369-421	CONTACT,SOCKET
7	5	1	1897336-001	CONNECTOR
7	6	1	1897180-002	CONNECTOR
7	7	X	1897213-001	CONTACT SOCKET
7	8	61	1010763-002	SOLDER SLEEVES
7	9	122	1010490-232	INSULATION SLEEVING SHRINK FIT.
7	10	7	1016006-002	SPLICE REDUCER
7	11	7	1010490-258	INSULATION SLEEVING SHRINK FIT.
	12		1015902-003	DELETED
	13	1	2900949-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT. 2 FT. TOTAL LENGTH
	14	1	2900949-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT. 1 FT TOTAL LENGTH
7	15	2	1016128-021	BAND IDENTIFICATION
	16		AN960C4	DELETED

SIZE	CODE IDENT NO.			
A	99974	2900949		
SCALE-NONE	REV LTR	C	SHEET	4 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631, TYPE F, FORM T, BLACK, GRADE A, CLASS 1	FILLER TAPE, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B TYPE P, CLASS 2, BLACK	LACING TAPE
7	19	1	1897391	CLAMP CABLE, DUAL ENTRY
	20		1010490-166	DELETED
	21		MS35333-70	DELETED
7	22	1	1016369-721	CONTACT, SOCKET
7	23	1	1016128-041	BAND IDENTIFICATION

SIZE	CODE IDENT NO.			
A	99974	2900949		
SCALE-NONE	REV LTR	C	SHEET	5 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2	E1-B SHLD A1					.25 .25	NO NO			
A	1W		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2	E1-B SHLD A2					.25 .25	NO NO			
A	2W		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 .25	NO NO			
A	3W		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 .25	NO NO			
A	4W		P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE REV LTR C SHEET 6 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 .25	NO NO			
A	5W		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 .25	NO NO			
A	6W		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 .25	NO NO			
A	7W		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 .25	NO NO			
A	8W		P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE REV LTR C SHEET 7 OF 22

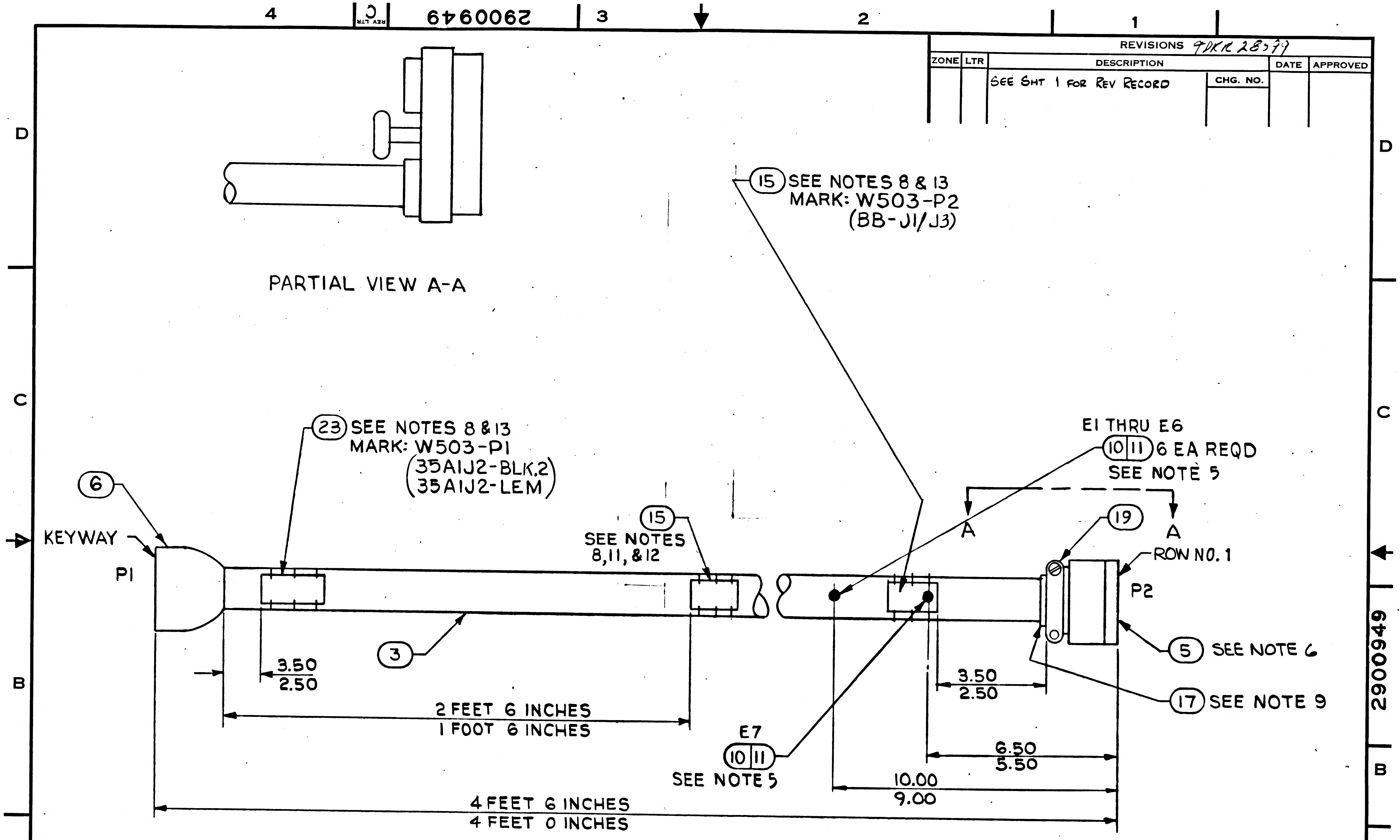
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 .25	NO NO			
A	9W		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 .25	NO NO			
A	10W		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E2-B SHLD A11					.25 .25	NO NO			
A	11W		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E2-B SHLD A12					.25 .25	NO NO			
A	12W		P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE REV LTR C SHEET 8 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-B SHLD A13					.25 .25	NO NO			
A	13W		P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-B SHLD A14					.25 .25	NO NO			
A	14W		P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 .25	NO NO			
A	15W		P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 .25	NO NO			
A	16W		P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900949
SCALE-NONE REV LTR C SHEET 9 OF 22

REVISIONS 9DKR 28579					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHT 1 FOR REV RECORD			


PARTIAL VIEW A-A
⑮ SEE NOTES 8 & 13
MARK: W503-P2
(BB-J1/J3)
㉓ SEE NOTES 8 & 13
MARK: W503-P1
(35A1J2-BLK.2)
(35A1J2-LEM)
⑥
KEYWAY
P1
⑮ SEE NOTES 8,11, & 12
③
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
4 FEET 6 INCHES
4 FEET 0 INCHES
E7
10 11
SEE NOTE 5
E1 THRU E6
10 11 6 EA REQD
SEE NOTE 5
A
A
⑲
ROW NO. 1
P2
⑤ SEE NOTE 6
⑰ SEE NOTE 9
3.50
2.50
6.50
5.50
10.00
9.00
2900949

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + — − 3 PLACE DECIMALS + — − ANGLES + — −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
	DRAWN J. Parks DATE 2 DEC 65 M. Vorman 10 Jan 66 CHECKED APPROVAL L Goldman 9/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W503
DO NOT SCALE THIS DRAWING		
MATERIAL	NASA APPROVAL A C	SIZE C · CODE IDENT NO. 99974 · 2900949
APPROVAL	MIT APPROVAL 9-9-66	SCALE NONE · SHEET 22 OF 22

MIL-1058D D

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(-) WITH CHANGE PER MXC 209984	16-MAR-66	B.
B	REVISED PER MXC 210059	31 MAR-66	B. JAC
C	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	PG EF

REV	C	C	C																				
SHEET	20	21	22																				
REV STATUS OF SHEETS	REV				C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN J. Parks DATE 2 DEC65
CHECKED M. Manning 10 JAN 66
APPROVAL 11 Jan 66
APPROVAL Gedman 5/3/66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL-W502

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900950	C

CONTRACT NAS 9-497

SCALE –

SHEET 1 OF 22

CABLE ASSEMBLY W502

2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2	E1-8 SHLD A1					.25 .25	NO NO			
A	1W		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2	E1-8 SHLD A2					.25 .25	NO NO			
A	2W		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-8 SHLD A3					.25 .25	NO NO			
A	3W		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-8 SHLD A4					.25 .25	NO NO			
A	4W		P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 6 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502

2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-8 SHLD A5					.25 .25	NO NO			
A	5W		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-8 SHLD A6					.25 .25	NO NO			
A	6W		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-8 SHLD A7					.25 .25	NO NO			
A	7W		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-8 SHLD A8					.25 .25	NO NO			
A	8W		P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 7 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502

2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-8 SHLD A9					.25 .25	NO NO			
A	9W		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-8 SHLD A10					.25 .25	NO NO			
A	10W		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E2-8 SHLD A11					.25 .25	NO NO			
A	11W		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E2-8 SHLD A12					.25 .25	NO NO			
A	12W		P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 8 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502

2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-8 SHLD A13					.25 .25	NO NO			
A	13W		P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-8 SHLD A14					.25 .25	NO NO			
A	14W		P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-8 SHLD A15					.25 .25	NO NO			
A	15W		P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-8 SHLD A16					.25 .25	NO NO			
A	16W		P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 9 OF 22

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2		F2-B SHLD A17					.25 .25	NO NO			
A	17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A	18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2		E2-B SHLD A18					.25 .25	NO NO			
A	18W			P1-18 P2-C6					.15 .19	NO NO		7 4	
A	19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	19B	2		E2-B SHLD A19					.25 .25	NO NO			
A	19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A	20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	20B	2		E2-B SHLD A20					.25 .25	NO NO			
A	20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 10 OF 22

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	21B	2		E3-B SHLD A21					.25 .25	NO NO			
A	21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A	22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	22B	2		E3-B SHLD A22					.25 .25	NO NO			
A	22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A	23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	23B	2		E3-B SHLD A23					.25 .25	NO NO			
A	23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A	24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	24B	2		E3-B SHLD A24					.25 .25	NO NO			
A	24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 11 OF 22

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	25B	2		E3-B SHLD A25					.25 .25	NO NO			
A	25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A	26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	26B	2		E3-B SHLD A26					.25 .25	NO NO			
A	26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A	27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	27B	2		E3-B SHLD A27					.25 .25	NO NO			
A	27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A	28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	28B	2		E3-B SHLD A28					.25 .25	NO NO			
A	28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 12 OF 22

MIL 2084 9-65

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	29B	2		E3-B SHLD A29					.25 .25	NO NO			
A	29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A	30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	30B	2		E3-B SHLD A30					.25 .25	NO NO			
A	30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A	31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A	31B	2		E4-B SHLD A31					.25 .25	NO NO			
A	31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A	32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	32B	2		E4-B SHLD A32					.25 .25	NO NO			
A	32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 13 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502 2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 18 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502 2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 19 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502 2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 20 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W502 2900950 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E6-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	13		E1-BB E7-B					.25 .25	NO NO			
A 63	13		E2-BB E7-B					.25 .25	NO NO			
A 64	13		E3-BB E7-B					.25 .25	NO NO			
A 65	13		E4-BB E7-B					.25 .25	NO NO			
A 66	13		E5-BB E7-B					.25 .25	NO NO			
A 67	13		E6-BB E7-B					.25 .25	NO NO			
A 68	14		E7-BB P2-X6					.25 .20	NO NO		22	

SIZE	CODE IDENT NO.	
A	99974	2900950
SCALE-NONE	REV LTR C	SHEET 21 OF 22

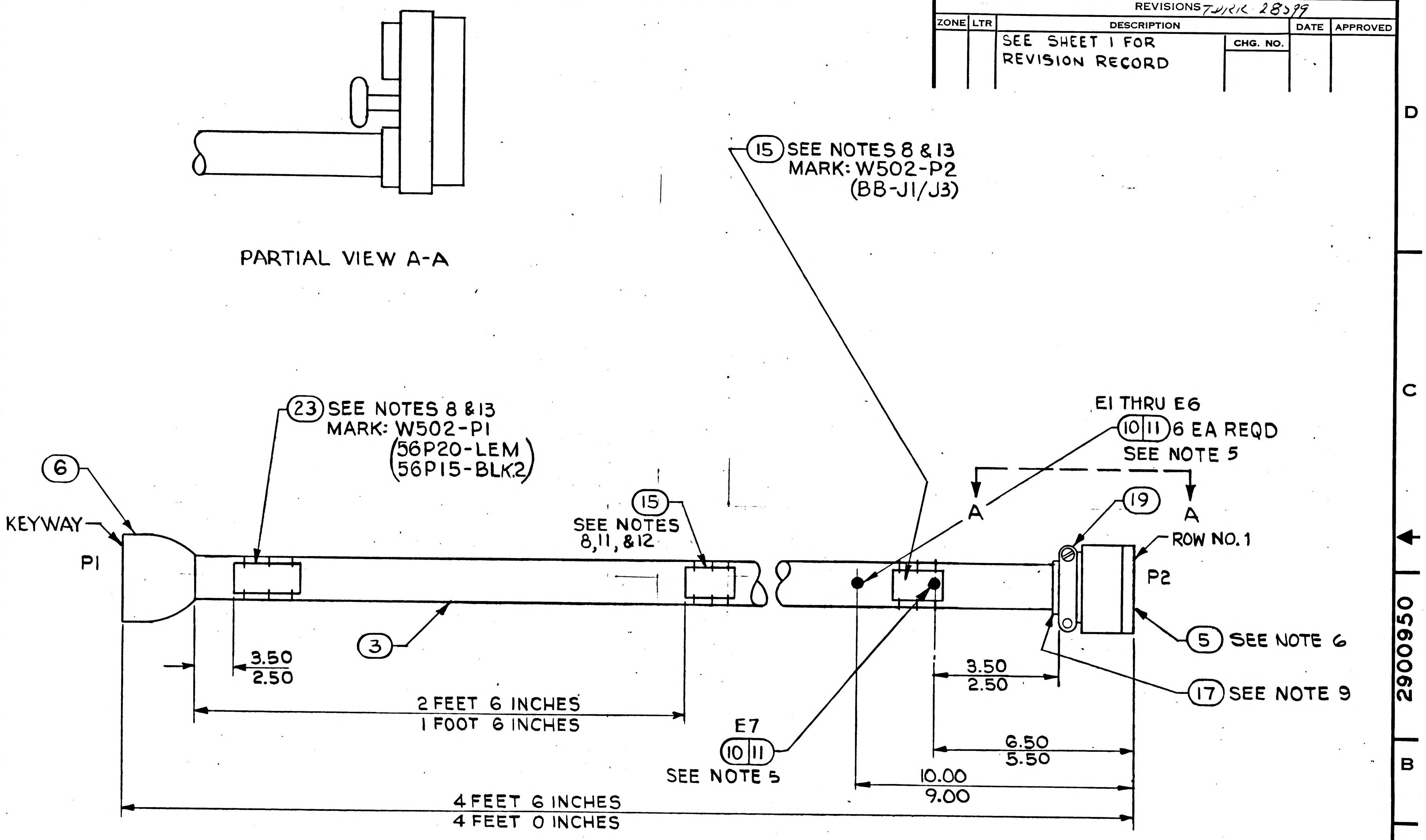
MIL 2084 9-65

2900950 REV LTR C

2900950

REVISIONS THRK 28599

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET I FOR REVISION RECORD			



PARTIAL VIEW A-A
⑮ SEE NOTES 8 & 13
MARK: W502-P2
(BB-J1/J3)
㉓ SEE NOTES 8 & 13
MARK: W502-P1
(56P20-LEM
(56P15-BLK.2)
⑥
KEYWAY
P1
⑮
SEE NOTES
8, 11, & 12
E1 THRU E6
(10)(11) 6 EA REQD
SEE NOTE 5
A
A
⑲
ROW NO. 1
P2
③
⑤ SEE NOTE 6
⑰ SEE NOTE 9
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E7
(10)(11)
SEE NOTE 5
3.50
2.50
6.50
5.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS + _ − _
3 PLACE DECIMALS + _ − _
ANGLES + _ − _
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J. Parks DATE 2 DEC 65
CHECKED M. Manning 10 JAN 66
APPROVAL L. Gediman 5/3/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL 5-9-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL-W502

SIZE C
CODE IDENT NO. 99974
2900950
SCALE NONE
SHEET 22 OF 22

MIL-1088D D

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: LAMINATED GLASS CLOTH EPOXY RESIN PER MIL-P-18177 TYPE GEE (ES2744-1).
3. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
4. MUST BE FREE FROM BURRS AND SHARP EDGES.
5. MARK CHARACTERS .06 HIGH PER ND1002019, COLOR BLACK. CENTRALIZE AS SHOWN.
6. BLACK DOT DENOTES FEED THRU TERMINALS, (ITEM ③ REF.).
7. ARROWS INDICATE DIRECTION OF POSITIVE (+) DIMENSION.
8. HOLE DESIGNATIONS a THRU j ARE FOR MANUFACTURING REFERENCE ONLY AND SHALL NOT BE MARKED ON BOARD.

COORDINATE DIMENSIONS

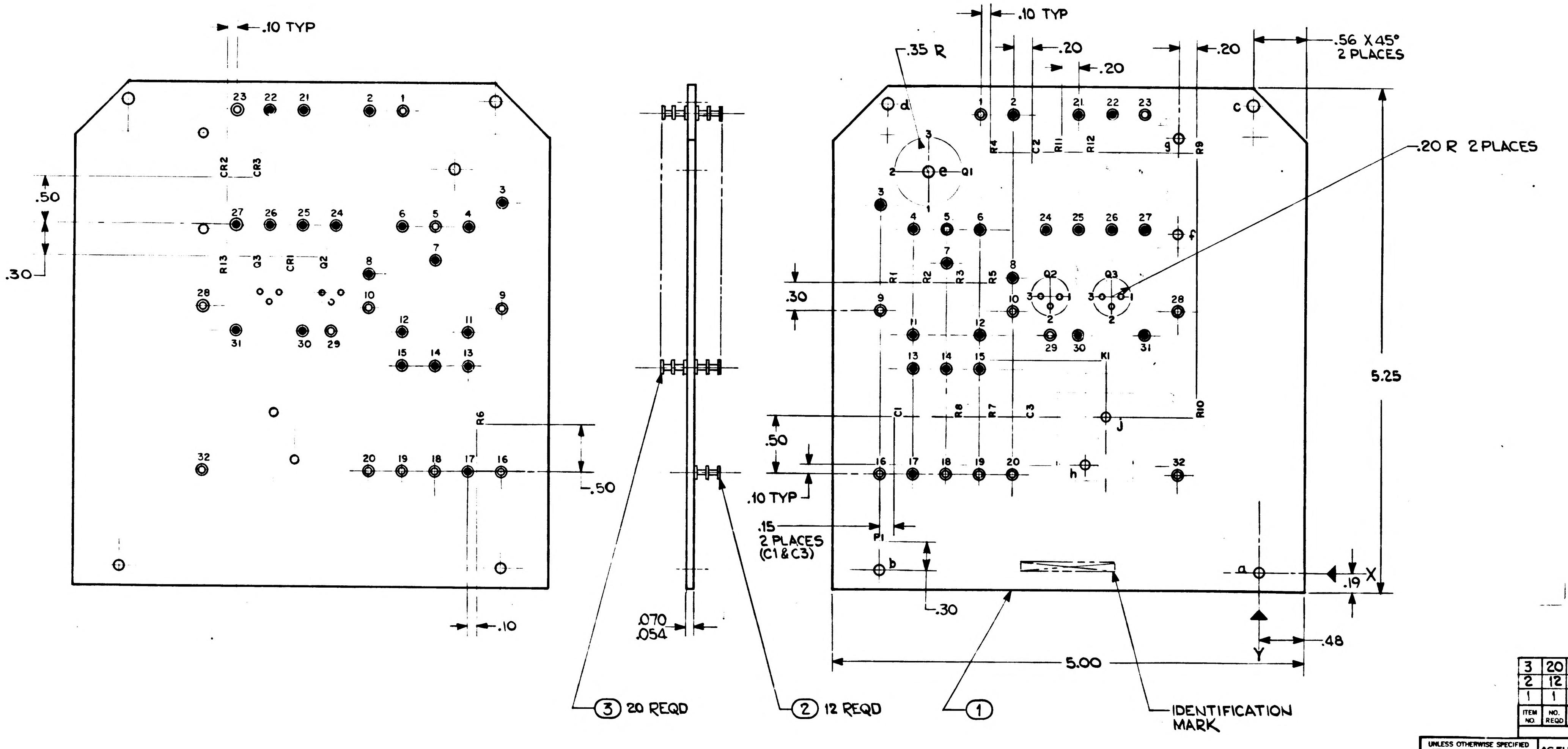
HOLE NO.	COORDINATE X(HORIZ)	Y(VERT)	HOLE DESCRIPTION
1	2.95	4.75	.092 -.098 THRU
2	2.60	4.75	
3	4.00	3.80	
4	3.65	3.55	
5	3.30	3.55	
6	2.95	3.55	
7	3.30	3.20	
8	2.60	3.05	
9	4.00	2.70	
10	2.60	2.70	
11	3.65	2.45	
12	2.95	2.45	
13	3.65	2.10	
14	3.30	2.10	
15	2.95	2.10	
16	4.00	1.00	
17	3.65	1.00	
18	3.30	1.00	
19	2.95	1.00	
20	2.60	1.00	
21	1.90	4.75	
22	1.55	4.75	
23	1.20	4.75	
24	2.25	3.55	
25	1.90	3.55	
26	1.55	3.55	
27	1.20	3.55	
28	0.85	2.70	
29	2.25	2.45	
30	1.90	2.45	
31	1.20	2.45	
32	0.85	1.00	.092 -.098 THRU

COORDINATE DIMENSIONS

HOLE NO	COORDINATE X(HORIZ)	Y(VERT)	HOLE DESCRIPTION
Q3-1	1.450	2.850	.040 THRU
Q3-2	1.550	2.750	
Q3-3	1.650	2.850	
Q2-1	2.100	2.850	
Q2-2	2.200	2.750	
Q2-3	2.300	2.850	.040 THRU
a	0	0	.123 -.130 THRU
b	4.031	0	.123 -.130 THRU
c	0.08	4.86	.099 -.109 THRU
d	3.96	4.86	.099 -.109 THRU
e	3.50	4.15	.114 -.121 THRU
f	0.85	3.500	.123 -.130 THRU
g	0.85	4.500	.123 -.130 THRU
h	1.820	1.100	.099 -.109 THRU
j	1.600	1.588	.099 -.109 THRU

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 28657		3-MAY-66	



.10 TYP
23
22
21
2
1
3
CR2
CR3
27
26
25
24
6
5
4
.50
.30
7
R13
Q3
CR1
Q2
8
28
10
9
31
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29
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11
15
14
13
R6
32
20
19
18
17
16
.50
.10
.070
.054
③ 20 REQD
② 12 REQD
①
.10 TYP
.35 R
.20
.20
.20
.56 X 45°
2 PLACES
d
c
e
Q1
R4
C2
R11
R12
g
R9
.20 R 2 PLACES
f
R1
R2
R3
R5
Q2
Q3
.30
K1
j
R10
C1
R8
R7
C3
.50
.10 TYP
h
.15
2 PLACES
(C1 & C3)
P1
b
a
.30
.19
X
Y
.48
5.25
5.00
IDENTIFICATION MARK

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
3	20	MS17157-6	TERMINAL, STUD, FEED THRU
2	12	MS17122-6	TERMINAL, STUD
1	1	2900951-001	TERMINAL, BOARD (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2901045-011	2900895-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ±.02
3 PLACE DECIMALS ±.005
ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN Kuttack DATE 3 DEC 65
CHECKED 20 DEC
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

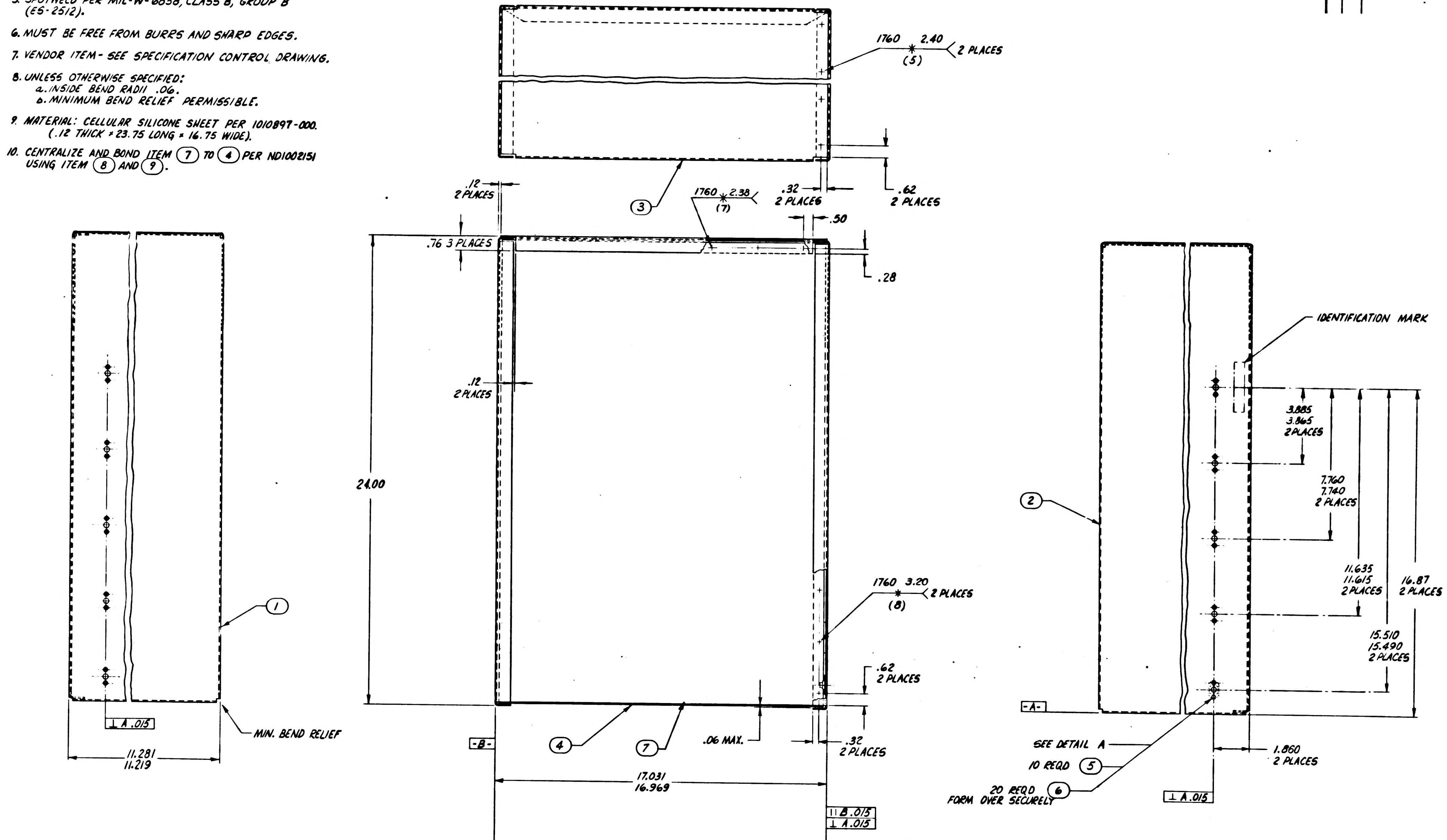
TERMINAL BOARD
(INSEPARABLE ASSEMBLY)

SIZE E
CODE IDENT NO. 99974
2900951
SCALE 2/1
SHEET 1 OF 1

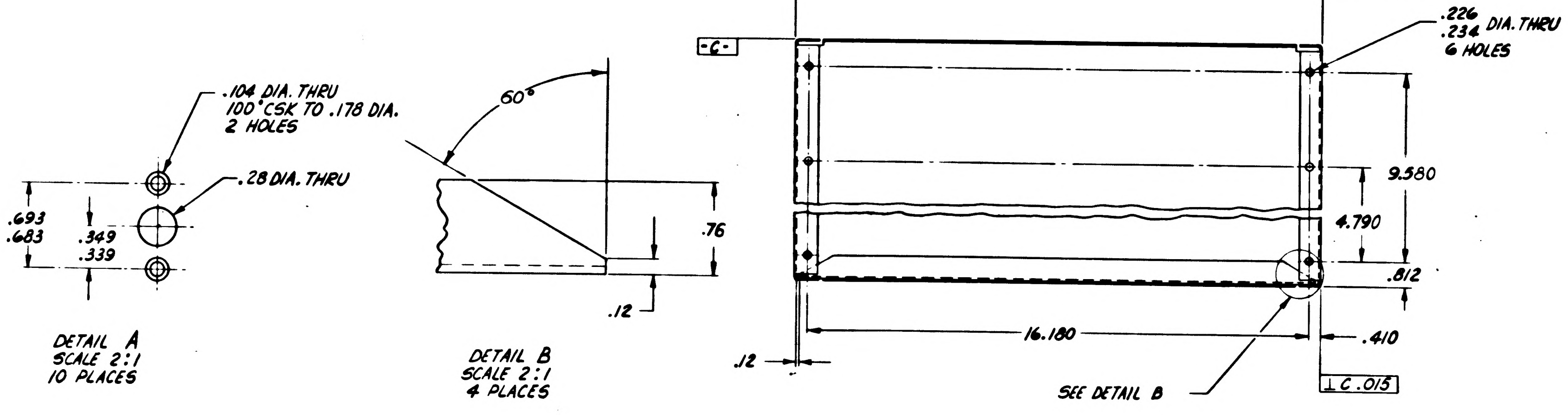
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER AND REVISION LETTER PER MIL-STD-130 (ES-267).
3. MATERIAL: .060 THICK STEEL PER QQ-S-698, CRCQ NO. 2 LUSTER, 1009-1015.
4. FINISH: CADMIUM PLATE PER QQ-P-416 TYPE I, CLASS I.
5. SPOTWELD PER MIL-W-6858, CLASS B, GROUP B (ES-2512).
6. MUST BE FREE FROM BURRS AND SHARP EDGES.
7. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
8. UNLESS OTHERWISE SPECIFIED:
   a. INSIDE BEND RADII .06.
   b. MINIMUM BEND RELIEF PERMISSIBLE.
9. MATERIAL: CELLULAR SILICONE SHEET PER 1010897-000. (.12 THICK × 23.75 LONG × 16.75 WIDE).
10. CENTRALIZE AND BOND ITEM ⑦ TO ④ PER ND1002151 USING ITEM ⑧ AND ⑨.

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		Revised Per MXC 209800		[illegible] 66	[illegible]
B		INITIAL RELEASE CLASS A PER TDRR 26673		4 Nov 66	[illegible]



1760 2.40 (5) 2 PLACES
③
.12 2 PLACES
1760 2.38 (7)
.32 2 PLACES
.62 2 PLACES
.50
.76 3 PLACES
.28
.12 2 PLACES
24.00
1760 3.20 (8) 2 PLACES
.62 2 PLACES
.06 MAX.
.32 2 PLACES
④
⑦
-B-
17.031
16.969
⊥ A .015
11.281
11.219
MIN. BEND RELIEF
①
IDENTIFICATION MARK
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
11.635
11.615
2 PLACES
16.87
2 PLACES
15.510
15.490
2 PLACES
②
-A-
SEE DETAIL A
10 REQD ⑤
20 REQD ⑥ FORM OVER SECURELY
1.860
2 PLACES
⊥ A .015
∥ B .015
⊥ A .015



.104 DIA. THRU
100° CSK TO .178 DIA.
2 HOLES
.28 DIA. THRU
.693
.683
.349
.339
60°
.76
.12
-C-
.226
.234 DIA. THRU
6 HOLES
9.580
4.790
.812
16.180
.410
.12
SEE DETAIL B
⊥ C .015

DETAIL A
SCALE 2:1
10 PLACES

DETAIL B
SCALE 2:1
4 PLACES

SEE NOTES 9 & 10
SEE NOTE 7
SEE NOTES 3 & 4

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
9	AR	1010718	PRIMER
8	AR	MIL-A-25457	ADHESIVE
7	1	2900962-005	GASKET
6	20	AN124971	RIVET-100° FLAT HEAD
5	10	1015798-010	NUT-ANCHOR
4	1	2900962-004	PANEL, BOTTOM
3	1	2900962-003	PANEL, REAR
2	1	2900962-002	PANEL, R.H.
1	1	2900962-001	PANEL, L.H.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900928-011	2900895-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.005	+2°
- —	±.02	-2°

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 3

CONTRACT NAS-9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN L. Litzau DATE 7 DEC. 1965
CHECKED 9 DEC 1965
APPROVAL 10 Dec 1965
APPROVAL
NASA APPROVAL 5-13-66
MIT APPROVAL 5-11-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWER, STORAGE
(INSEPARABLE)
ASSEMBLY

CODE IDENT NO. 99974
SIZE E
2900962
SCALE 1:2
SHEET 1 OF 1

2900962 B

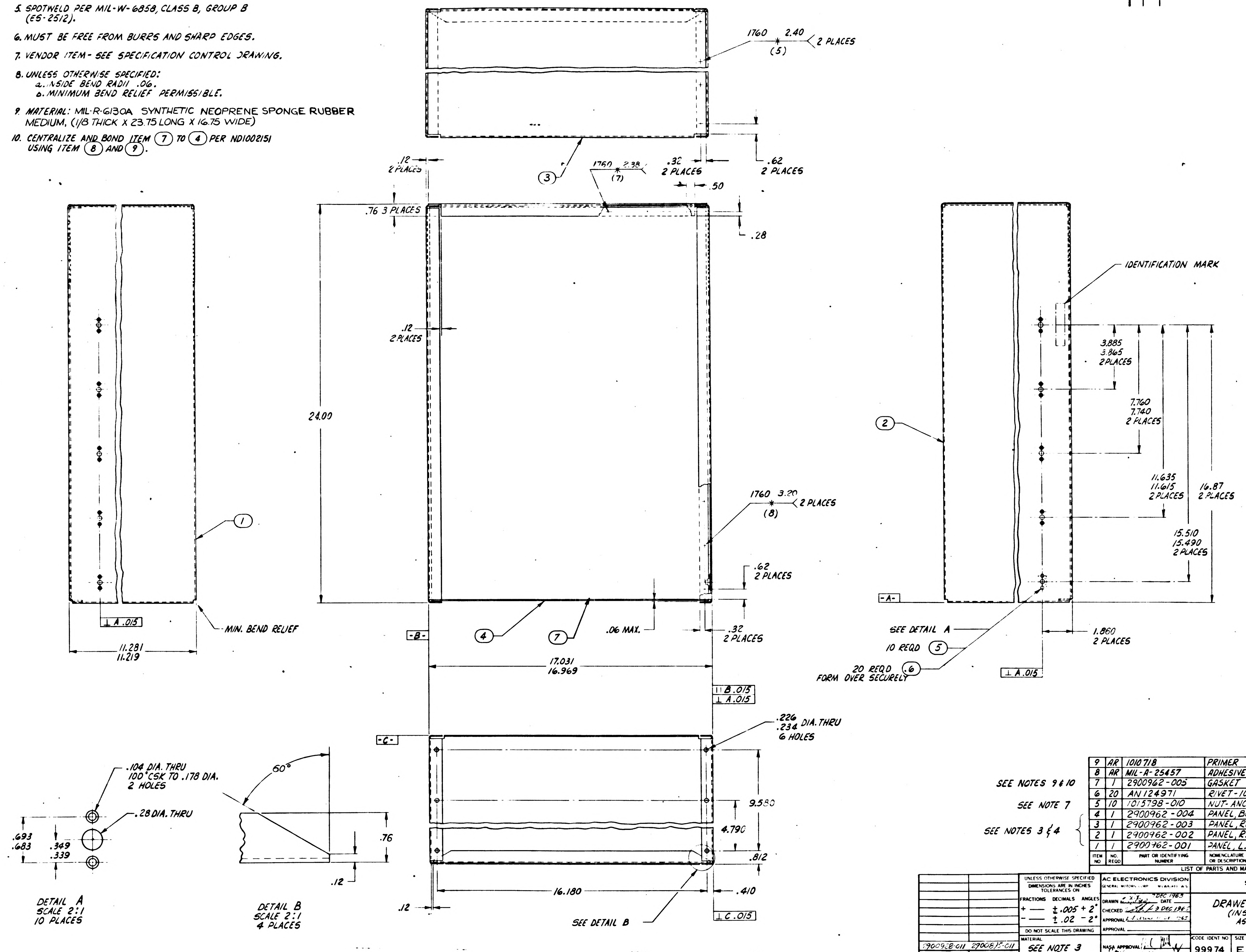
Charleston 10 Dec 65

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER AND REVISION LETTER PER MIL-STD-130 (ES-267).
3. MATERIAL: .060 THICK STEEL PER QQ-S-698, CRCQ NO. 2 LUSTER, 1009-1015.
4. FINISH: CADMIUM PLATE PER QQ-P-416 TYPE I, CLASS I.
5. SPOTWELD PER MIL-W-6858, CLASS B, GROUP B (ES-2512).
6. MUST BE FREE FROM BURRS AND SHARP EDGES.
7. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
8. UNLESS OTHERWISE SPECIFIED:
   a. INSIDE BEND RADII .06.
   b. MINIMUM BEND RELIEF PERMISSIBLE.
9. MATERIAL: MIL-R-6130A SYNTHETIC NEOPRENE SPONGE RUBBER MEDIUM, (1/8 THICK X 23.75 LONG X 16.75 WIDE)
10. CENTRALIZE AND BOND ITEM ⑦ TO ④ PER ND1002151 USING ITEM ⑧ AND ⑨.

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MAC 209800		[illegible] 66	[illegible]
B		INITIAL RELEASE CLASS A PER TDRR 24673		4 MAY 66	[illegible]
C		REVISED PER TDRR 30340		3 AUG 66	RPS



1760 2.40 (5) 2 PLACES
③
1760 2.38 (7)
.12 2 PLACES
.32 2 PLACES
.50
.62 2 PLACES
.76 3 PLACES
.28
IDENTIFICATION MARK
.12 2 PLACES
24.00
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
②
11.635
11.615
2 PLACES
16.87
2 PLACES
1760 3.20 (8) 2 PLACES
①
15.510
15.490
2 PLACES
.62 2 PLACES
-A-
⊥ A .015
MIN. BEND RELIEF
-B-
④
⑦
.06 MAX.
.32 2 PLACES
SEE DETAIL A
10 REQD ⑤
1.860 2 PLACES
11.281
11.219
17.031
16.969
20 REQD ⑥ FORM OVER SECURELY
⊥ A .015
∥ B .015
⊥ A .015
-C-
.226
.234 DIA. THRU 6 HOLES
.104 DIA. THRU 100° CSK TO .178 DIA. 2 HOLES
60°
9.580
.28 DIA. THRU
.693
.683
.349
.339
.76
4.790
.812
.12
16.180
.410
.12
DETAIL A SCALE 2:1 10 PLACES
DETAIL B SCALE 2:1 4 PLACES
SEE DETAIL B
⊥ C .015

SEE NOTES 9 & 10

SEE NOTE 7

SEE NOTES 3 & 4

LIST OF PARTS AND MATERIALS

ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
9	AR	1010718	PRIMER
8	AR	MIL-A-25457	ADHESIVE
7	1	2900962-005	GASKET
6	20	AN124971	RIVET-100° FLAT HEAD
5	10	1015798-010	NUT-ANCHOR
4	1	2900962-004	PANEL, BOTTOM
3	1	2900962-003	PANEL, REAR
2	1	2900962-002	PANEL, R.H.
1	1	2900962-001	PANEL, L.H.

NEXT ASSY	USED ON
2900928-011	2900815-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	± .005	+ 2°
− —	± .02	− 2°

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 3

CONTRACT NAS-9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE, WIS.

DRAWN [illegible] DATE 7 DEC 1965
CHECKED [illegible] 9 DEC 1965
APPROVAL [illegible] 1965
APPROVAL
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWER, STORAGE
(INSEPARABLE)
ASSEMBLY

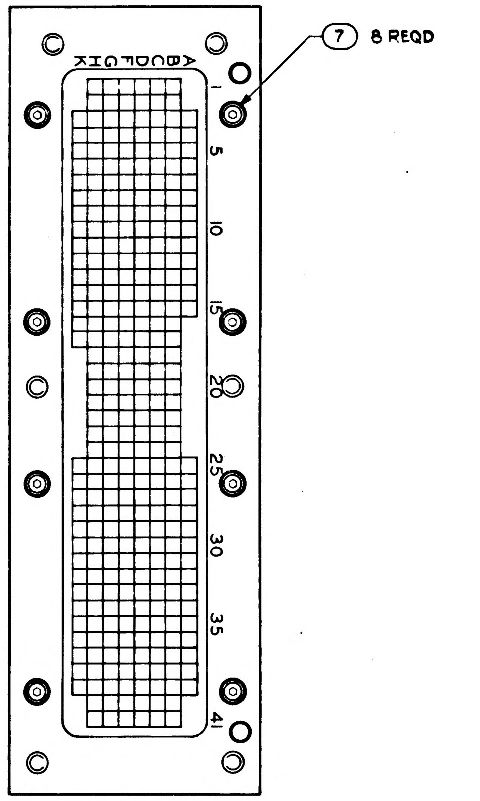
CODE IDENT NO 99974
SIZE E
2900962
SCALE 1:2
SHEET 1 OF 1

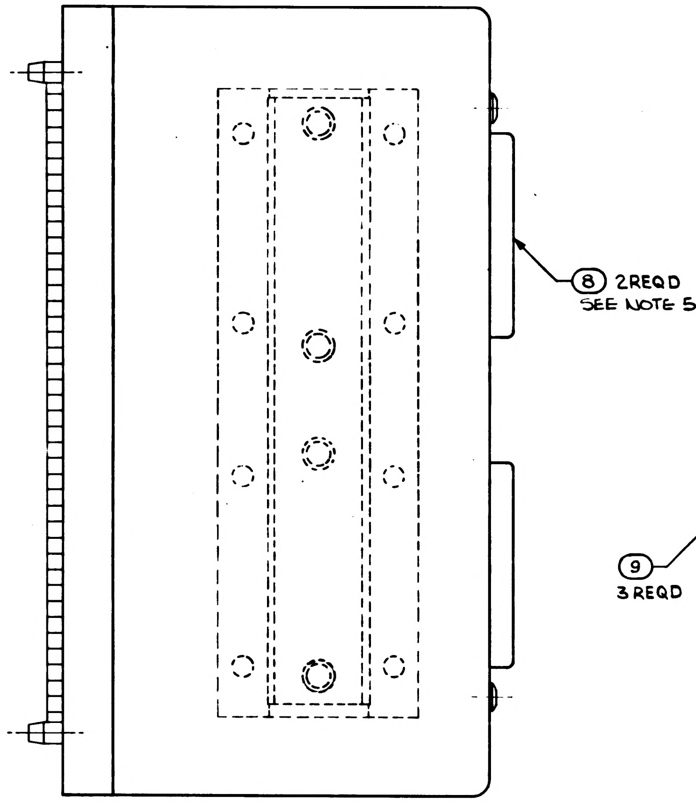
2900962 C

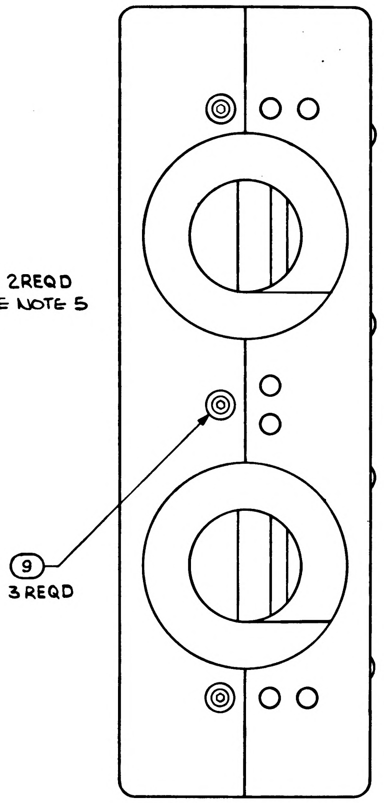
NOTES:

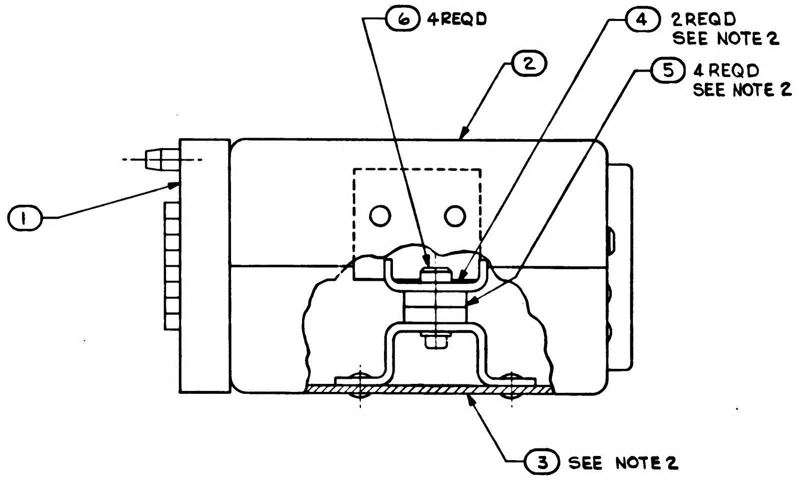
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND 2 EACH OF ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151 USING ITEMS ⑩ AND ⑪.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (E8267).
5. SPLIT ITEM ⑧ PER MS 35489.

REVISIONS						
ZONE	LTR	DESCRIPTION		DATE	APPROVED	
A		REVISED PER MXC 210060	CHG. NO.	17 MAR 66	LK	CF
B		INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66	RP	EF









						ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 2				AR		11	MIL-A-25457	ADHESIVE, SILICONE
SEE NOTE 2				AR		10	1010718	PRIMER, ADHESIVE
SEE NOTE 3				3		9	1006783-19	SCREW, BUTTON HEAD
				2		8	MS35489-22	GROMMET, RUBBER
SEE NOTE 3				8		7	1017418-11	SCREW, CAP, SOC. HD.
				4		6	2901022-004	SCREW, SHOULDER
				4		5	2900580-003	GASKET
				2		4	2900711-003	CLAMP, MOVABLE
				1		3	2900985	SHELL, CLAMP (INSEP ASSY)
				1		2	2900986	SHELL, COVER (INSEP ASSY)
				1		1	2900987	BASE, CONNECTOR
				011	EFFECTIVITY			
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2901061	2901076-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN Bender DATE 20-JAN-66
CHECKED J. Stelma 27 JAN 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

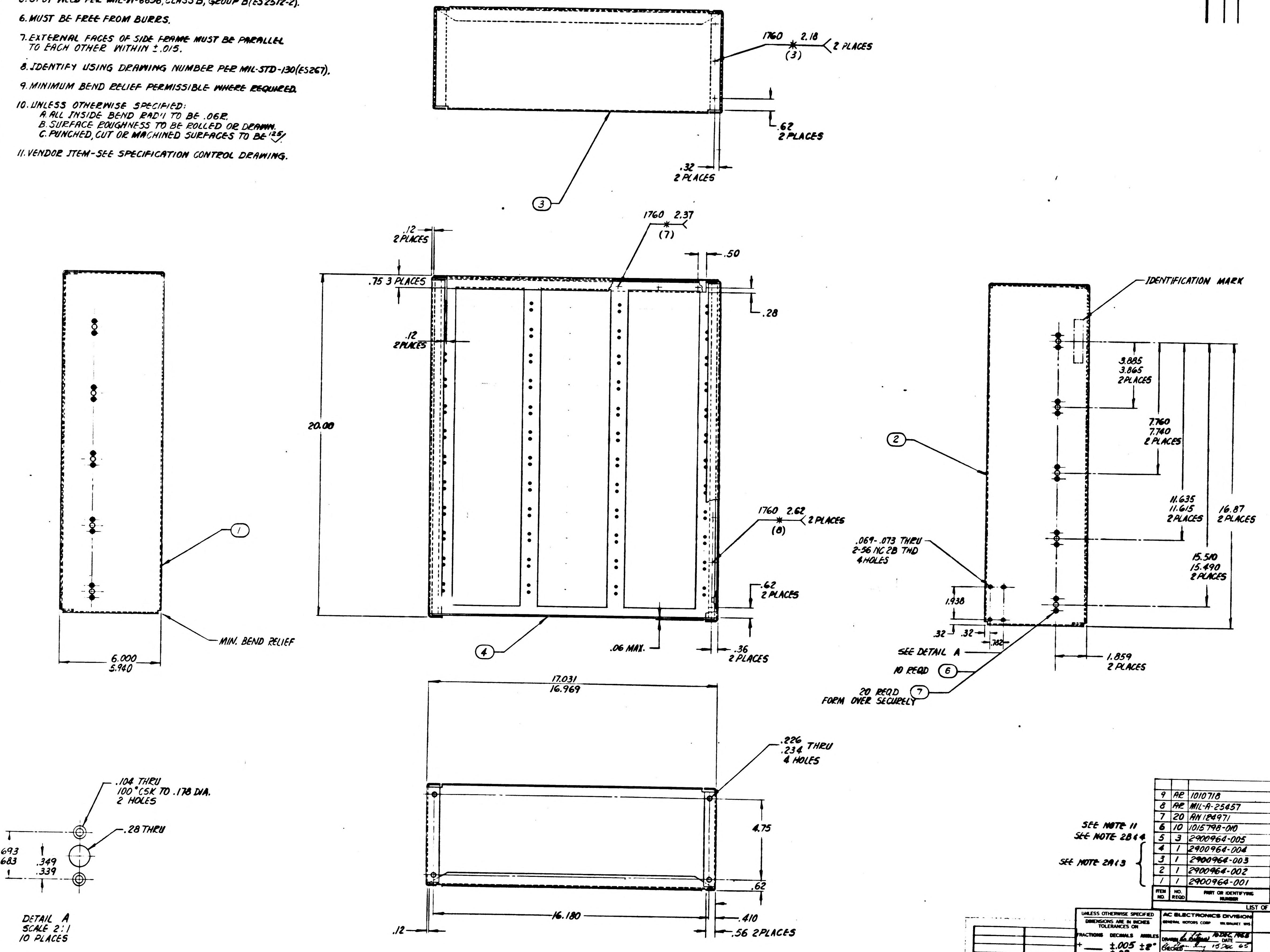
CONNECTOR, PLUG,
ELECTRICAL - 304 PIN

SIZE E
CODE IDENT NO. 99974
2900963
SCALE 2:1
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: A. STEEL PER QQ-S-698 CRCQ NO. 2 LUSTER, 1009-1015. .060 THICK
   B. CELLULAR SILICONE SHEET PER 1010897-000. .12 THICK
3. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE 1, CLASS 1
4. BOND ITEM ⑤ TO ④ PER ND1002151 USING ITEM ⑧ & ⑨.
5. SPOT WELD PER MIL-W-6858, CLASS B, GROUP B (ES2512-2).
6. MUST BE FREE FROM BURRS.
7. EXTERNAL FACES OF SIDE FRAME MUST BE PARALLEL TO EACH OTHER WITHIN ±.015.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
9. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
10. UNLESS OTHERWISE SPECIFIED:
    A. ALL INSIDE BEND RAD'I TO BE .06R.
    B. SURFACE ROUGHNESS TO BE ROLLED OR DRAWN.
    C. PUNCHED, CUT OR MACHINED SURFACES TO BE 125✓
11. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR		4 MAY 66	HTO / EF



1760 2.18 (3) 2 PLACES
.62 2 PLACES
.32 2 PLACES
③
1760 2.37 (7)
.12 2 PLACES
.50
.75 3 PLACES
.28
.12 2 PLACES
20.00
1760 2.62 (8) 2 PLACES
.62 2 PLACES
.06 MAX.
.36 2 PLACES
④
①
6.000
5.940
MIN. BEND RELIEF
IDENTIFICATION MARK
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
11.635
11.615
2 PLACES
16.87 2 PLACES
15.510
15.490
2 PLACES
②
.069-.073 THRU
2-56 NC 2B THD
4 HOLES
1.938
.32
.32
.102
1.859 2 PLACES
SEE DETAIL A
10 REQD ⑥
20 REQD ⑦
FORM OVER SECURELY
17.031
16.969
.226
.234 THRU
4 HOLES
4.75
.62
16.180
.410
.56 2 PLACES
.12
.104 THRU
100° CSK TO .178 DIA.
2 HOLES
.28 THRU
.693
.683
.349
.339
DETAIL A
SCALE 2:1
10 PLACES

SEE NOTE 11
SEE NOTE 2B & 4
SEE NOTE 2A & 3

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
9	AR	1010718	PRIMER
8	AR	MIL-A-25457	ADHESIVE
7	20	AN124971	RIVET, 100° FLAT HD.
6	10	1015798-010	NUT-ANCHOR
5	3	2900964-005	GASKET
4	1	2900964-004	DECK PLATE
3	1	2900964-003	REAR PANEL
2	1	2900964-002	SIDE FRAME R.H.
1	1	2900964-001	SIDE FRAME L.H.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900927-011	2900895-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — DECIMALS ±.005 ±.02 ANGLES ±2° —
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN 10 DEC 1965
CHECKED 15 Dec 65
APPROVAL R. Puzzi 21 Dec 65
APPROVAL 5/5/66
NASA APPROVAL
MIT APPROVAL

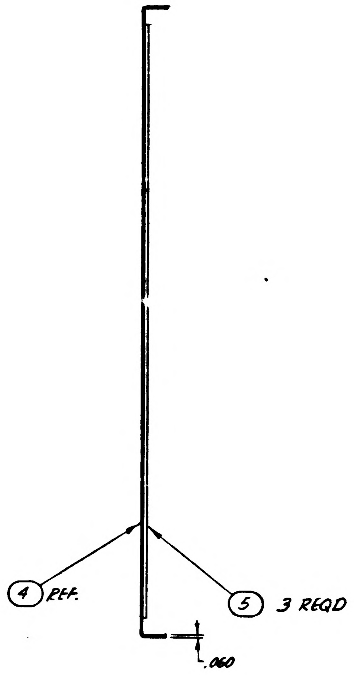
MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

DRAWER, TERMINAL
BOARD STORAGE
(INSEPARABLE ASSEMBLY)

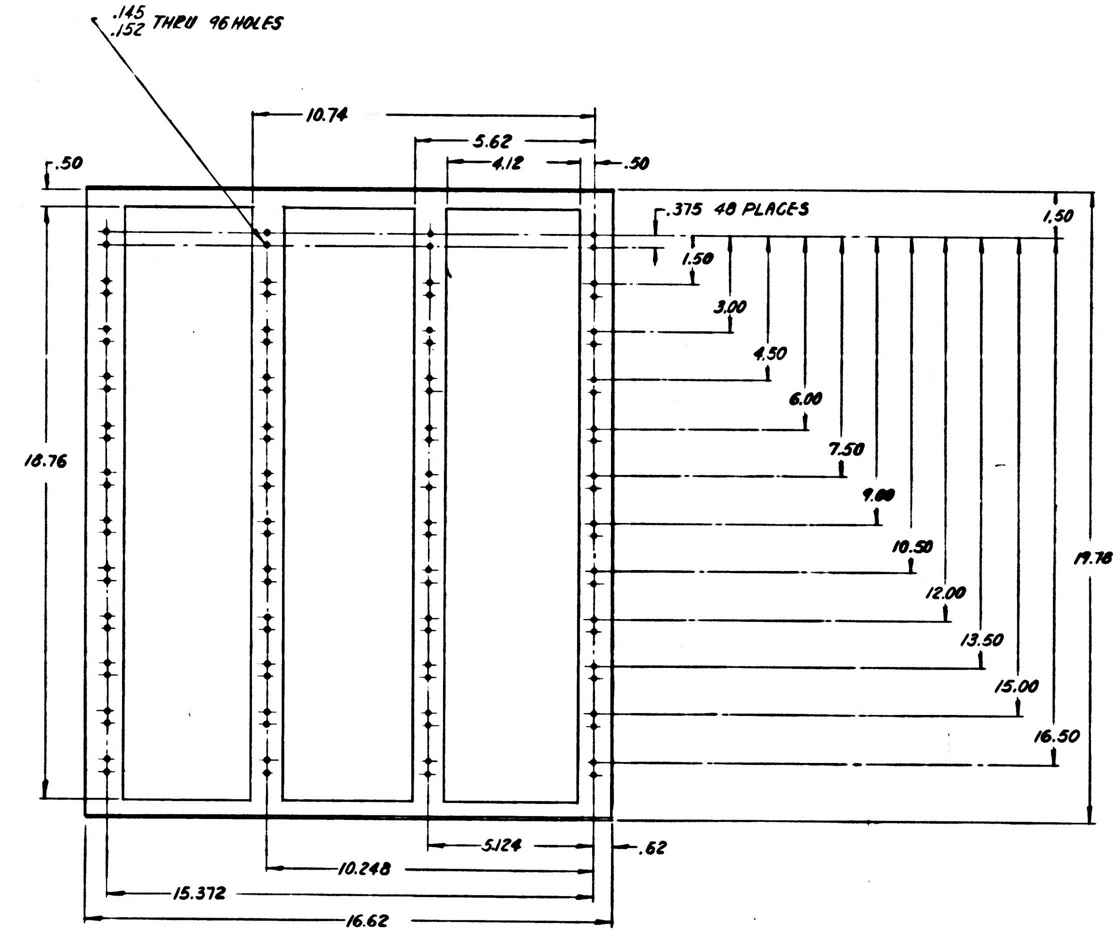
CODE IDENT NO. 99974
SIZE E
2900964
SCALE 1:2
SHEET 1 OF 2

16 DEC 65

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 28673		4 MAY 66	

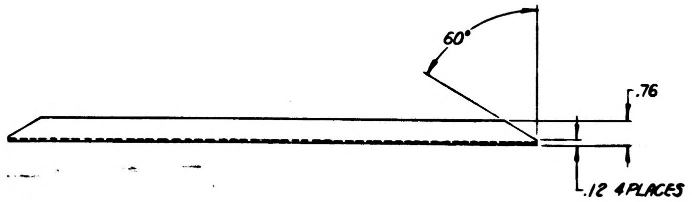


4 REF.
5 3 REQD
.060



.145
.152 THRU 96 HOLES
10.74
5.62
4.12
.50
.50
.375 48 PLACES
1.50
1.50
3.00
4.50
6.00
7.50
9.00
10.50
12.00
13.50
15.00
16.50
18.76
19.78
5.124
.62
10.248
15.372
16.62

DECK PLATE



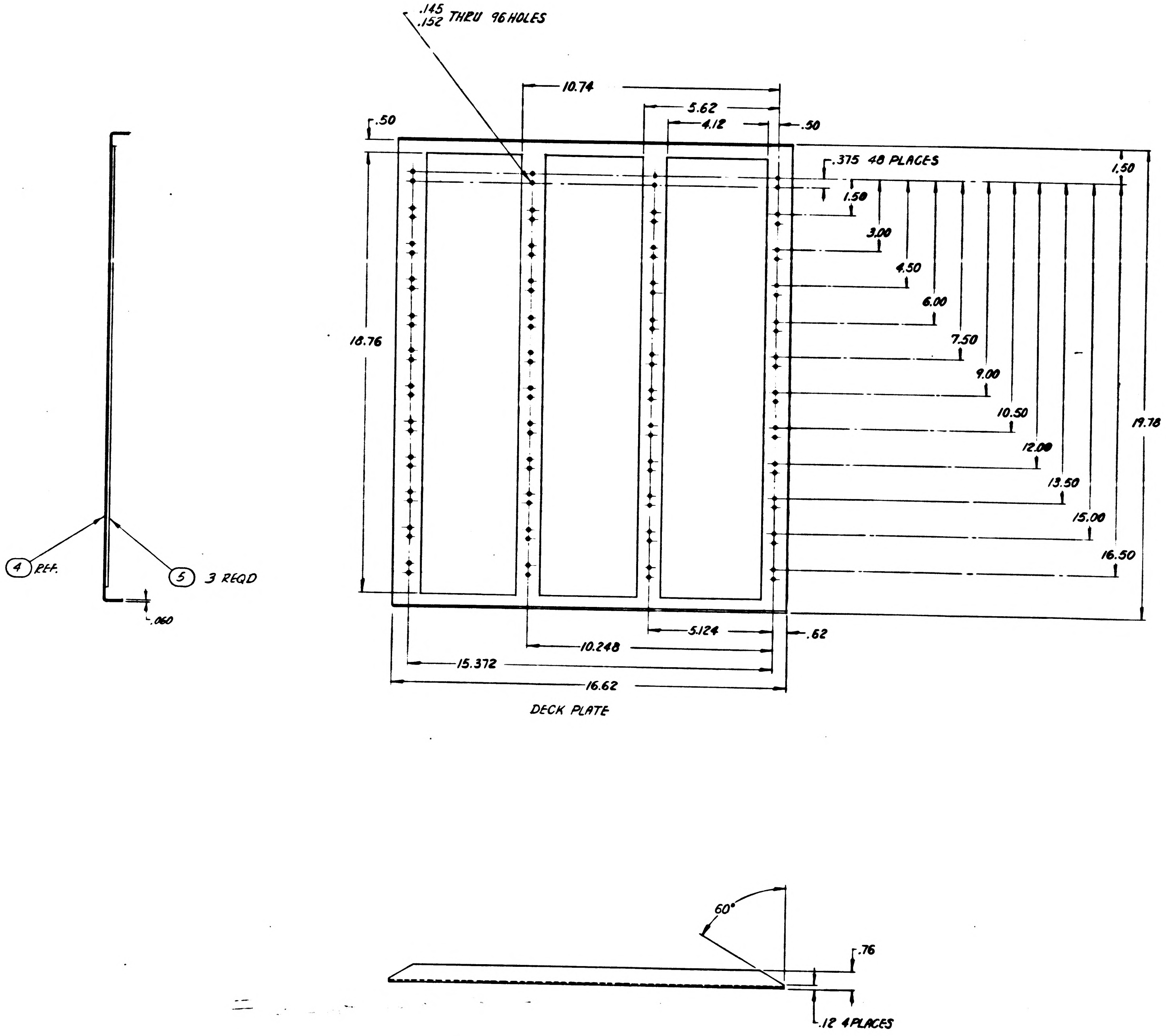
60°
.76
.12 4 PLACES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES ± ±.005 ± ±.02	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DO NOT SCALE THIS DRAWING	DRAWN DATE 9 DEC 65 CHECKED 17 DEC 65 APPROVAL 21 DEC 65 APPROVAL 3/5/66	DRAWER, TERMINAL BOARD STORAGE (INSEPARABLE ASSEMBLY)	
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974	SIZE E | 2900964
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2	SHEET 2 OF 2

2900964

Ⓜ

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 28673		4 MAY 66	
	B	REVISION STATUS CHANGED		4 JULY 66	



.145 .152 THRU 96 HOLES
10.74
5.62
4.12
.50
.50
.375 48 PLACES
1.50
1.50
3.00
4.50
6.00
7.50
9.00
10.50
12.00
13.50
15.00
16.50
18.76
19.78
5.124
.62
10.248
15.372
16.62
DECK PLATE
4 REF.
5 3 REQD
.060
60°
.76
.12 4 PLACES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + − DECIMALS ±.005 ±.02 ANGLES + −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DO NOT SCALE THIS DRAWING	DRAWN E. Ferguson 9 DEC. 1965 DATE CHECKED 17 DEC 65 APPROVAL 21 Dec 65 APPROVAL 5/5/66	DRAWER, TERMINAL BOARD STORAGE (INSEPARABLE ASSEMBLY)	
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974	SIZE E 2900964
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2	SHEET 2 OF 2

2900964

2900964

2900964

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL: A. STEEL PER QQ-S-698 CRCQ NO. 2 LUSTER, 1009-1015. .060 THICK
B. CELLULAR SILICONE SHEET PER 1010897-000. .12 THICK

3. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE 1, CLASS 1

4. BOND ITEM ⑤ TO ④ PER ND1002151 USING ITEM ⑧ & ⑨.

5. SPOT WELD PER MIL-W-6858, CLASS B, GROUP B (ES2512-2).

6. MUST BE FREE FROM BURRS.

7. EXTERNAL FACES OF SIDE FRAME MUST BE PARALLEL TO EACH OTHER WITHIN ±.015.

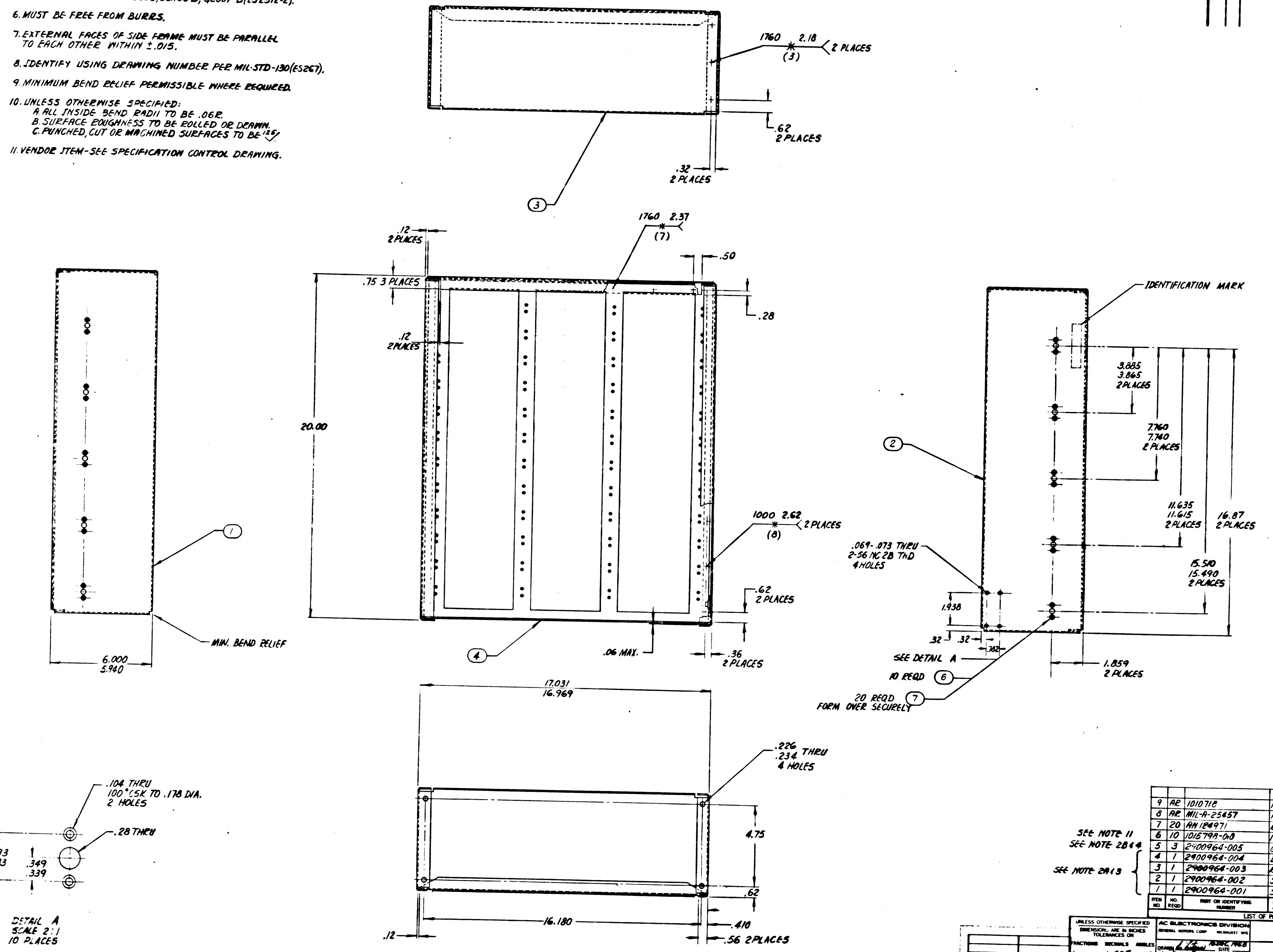
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).

9. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.

10. UNLESS OTHERWISE SPECIFIED:
A. ALL INSIDE BEND RADII TO BE .06R.
B. SURFACE ROUGHNESS TO BE ROLLED OR DRAWN.
C. PUNCHED, CUT OR MACHINED SURFACES TO BE $\sqrt{125}$

11. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR		4 MAY 66	HTO / EF
	B	REVISED PER TDRR 29986.		14 JULY 66	JAC



1760 2.18 (3) 2 PLACES
.62 2 PLACES
.32 2 PLACES
③
.12 2 PLACES
1760 2.37 (7)
.50
.75 3 PLACES
.28
.12 2 PLACES
20.00
1000 2.62 (8) 2 PLACES
.62 2 PLACES
.06 MAX.
.36 2 PLACES
④
①
MIN. BEND RELIEF
6.000
5.940
IDENTIFICATION MARK
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
11.635
11.615
2 PLACES
16.87 2 PLACES
15.510
15.490
2 PLACES
②
.069-.073 THRU 2-56 NC 2B THD 4 HOLES
1.938
.32
.32
.182
1.859 2 PLACES
SEE DETAIL A
10 REQD ⑥
20 REQD FORM OVER SECURELY ⑦
17.031
16.969
.226
.234 THRU
4 HOLES
4.75
.62
16.180
.12
.410
.56 2 PLACES
.104 THRU 100° CSK TO .178 DIA. 2 HOLES
.28 THRU
.693
.683
.349
.339
DETAIL A
SCALE 2:1
10 PLACES

SEE NOTE 11
SEE NOTE 2B & 4
SEE NOTE 2A & 3

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
9	AR	1010718	PRIMER
8	AR	MIL-A-25457	ADHESIVE
7	20	AN 124971	RIVET, 100° FLAT HD.
6	10	1015798-010	NUT-ANCHOR
5	3	2900964-005	GASKET
4	1	2900964-004	DECK PLATE
3	1	2900964-003	REAR PANEL
2	1	2900964-002	SIDE FRAME R.H.
1	1	2900964-001	SIDE FRAME L.H.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900927-011	2900895-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± —— DECIMALS ±.005 ±.02 ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN 10 DEC 1965
CHECKED 15 DEC 65
APPROVAL 21 Dec 65
APPROVAL 5/5/66
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWER, TERMINAL
BOARD STORAGE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE E
2900964
SCALE 1:2
SHEET 1 OF 2

16 DEC 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL: A. STEEL PER QQ-S-698 CRCQ NO. 2 LUSTER, 1009-1015. .060 THICK
B. MIL-R-6130A SYNTHETIC NEOPRENE SPONGE RUBBER, MEDIUM. 1/8 THICK.

3. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE 1, CLASS 1

4. BOND ITEM (5) TO (4) PER ND1002151 USING ITEM (8) & (9).

5. SPOT WELD PER MIL-W-6858, CLASS B, GROUP B (ES2512-2).

6. MUST BE FREE FROM BURRS.

7. EXTERNAL FACES OF SIDE FRAME MUST BE PARALLEL TO EACH OTHER WITHIN ±.015.

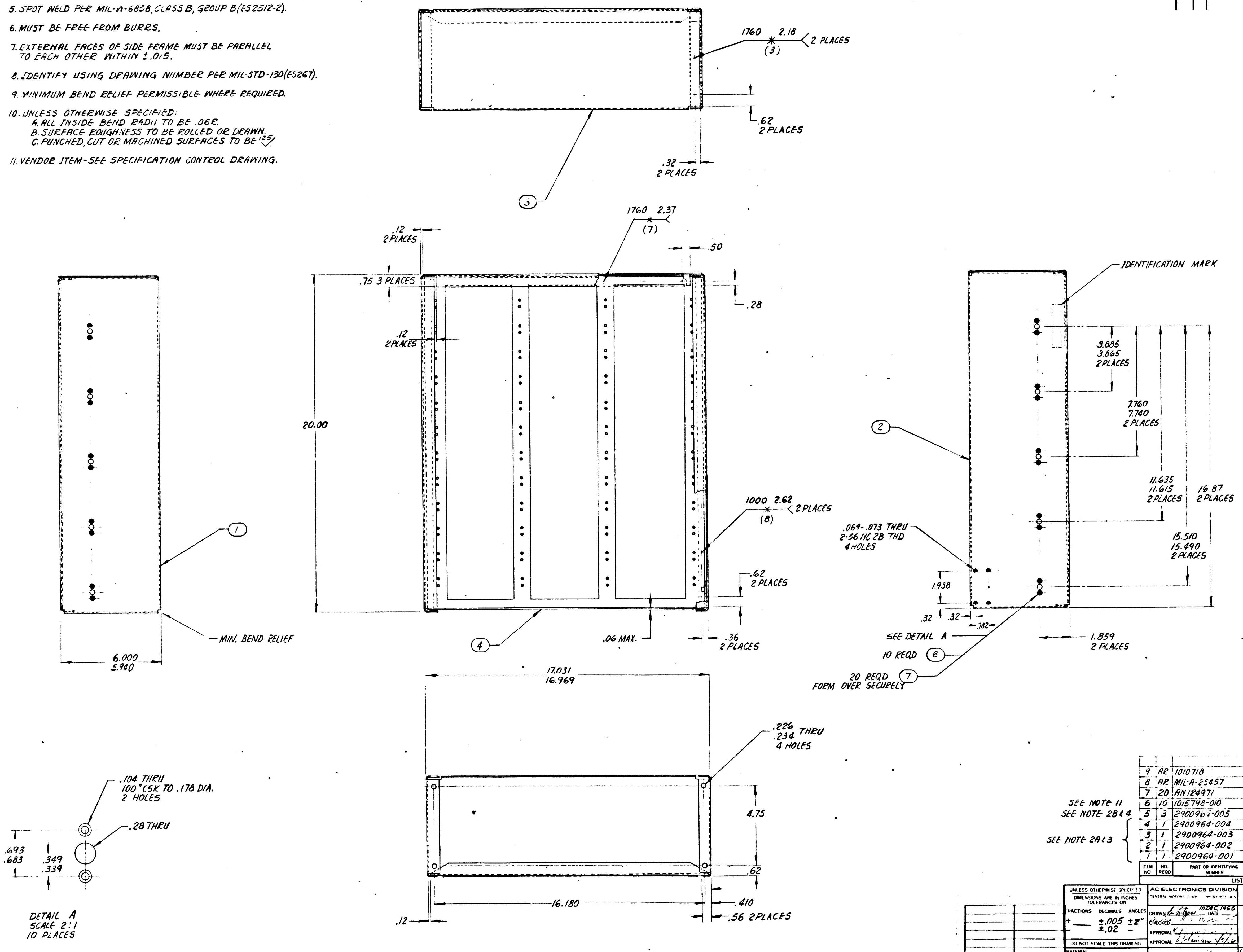
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).

9. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.

10. UNLESS OTHERWISE SPECIFIED:
A. ALL INSIDE BEND RADII TO BE .06R.
B. SURFACE ROUGHNESS TO BE ROLLED OR DRAWN.
C. PUNCHED, CUT OR MACHINED SURFACES TO BE 125✓

11. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR		4 MAY 66	HTO
	B	REVISED PER TDRR 29986.		14 JULY 66	JAC
	C	REVISED PER TDRR 30341		3 AUG 66	RPS JI


1760 2.18 (3) 2 PLACES
.62 2 PLACES
.32 2 PLACES
3
1760 2.37 (7)
.12 2 PLACES
.50
.75 3 PLACES
.28
.12 2 PLACES
20.00
1000 2.62 (8) 2 PLACES
.62 2 PLACES
.06 MAX.
.36 2 PLACES
4
1
MIN. BEND RELIEF
6.000
5.940
IDENTIFICATION MARK
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
11.635
11.615
2 PLACES
16.87 2 PLACES
15.510
15.490
2 PLACES
2
.069-.073 THRU
2-56 NC 2B THD
4 HOLES
1.938
.32
.32
.782
1.859 2 PLACES
SEE DETAIL A
10 REQD 6
20 REQD 7
FORM OVER SECURELY
17.031
16.969
.226
.234 THRU
4 HOLES
4.75
.62
16.180
.410
.56 2 PLACES
.12
.104 THRU
100° CSK TO .178 DIA.
2 HOLES
.28 THRU
.693
.683
.349
.339
DETAIL A
SCALE 2:1
10 PLACES

SEE NOTE 11
SEE NOTE 2B & 4
SEE NOTE 2A & 3

ITEM NO	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
9	AR	1010718	PRIMER
8	AR	MIL-A-25457	ADHESIVE
7	20	AN124971	RIVET, 100° FLAT HD.
6	10	1015798-010	NUT-ANCHOR
5	3	2900964-005	GASKET
4	1	2900964-004	DECK PLATE
3	1	2900964-003	REAR PANEL
2	1	2900964-002	SIDE FRAME R.H.
1	1	2900964-001	SIDE FRAME L.H.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900927-011	2900895-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + — − DECIMALS ±.005 ±.02 ANGLES ±2°
DO NOT SCALE THIS DRAWING
MATERIAL
CONTRACT NAS9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS
DRAWN 10 DEC. 1965 DATE
CHECKED
APPROVAL
APPROVAL
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

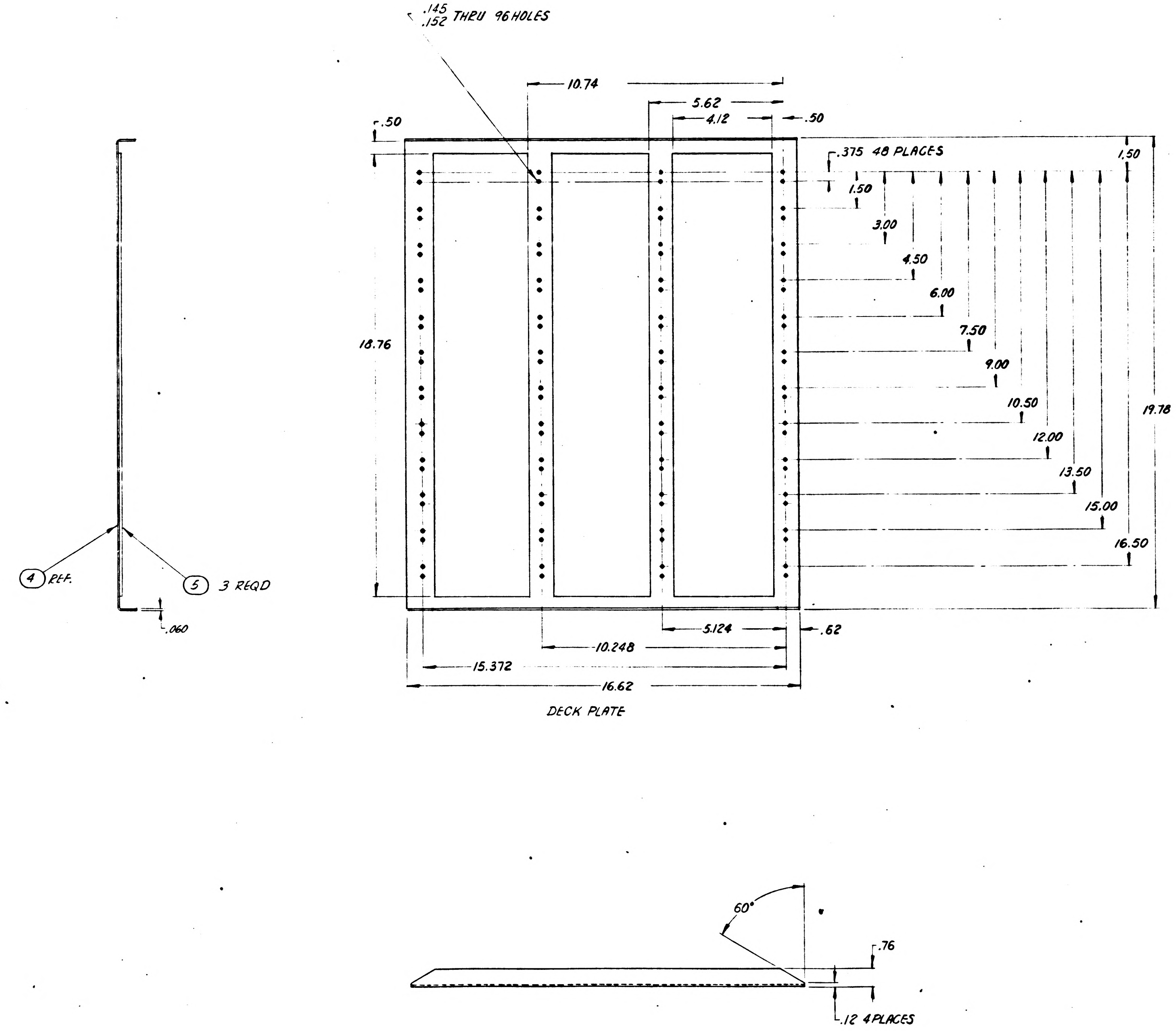
DRAWER, TERMINAL
BOARD STORAGE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO 99974
SIZE E
2900964
SCALE 1:2
SHEET 1 OF 2

2900964

2900964

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	2	INITIAL RELEASE CLASS A PER TDRR 28673		2 MAY 66	
	B	REVISION STATUS CHANGED		14 JULY 66	JAC
	C	REVISION STATUS CHANGED		3-AUG-66	PPS


.145
.152 THRU 96 HOLES
10.74
5.62
4.12
.50
.50
.375 48 PLACES
1.50
1.50
3.00
4.50
6.00
7.50
9.00
10.50
12.00
13.50
15.00
16.50
18.76
19.78
5.124
.62
10.248
15.372
16.62
4 REF.
5 3 REQD
.060
60°
.76
.12 4 PLACES

DECK PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + − DECIMALS ±.005 ±.02 ANGLES + −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON TEXAS
DO NOT SCALE THIS DRAWING	DRAWN E. Bitzow DATE 9 DEC. 1965 CHECKED 17 DEC 65 APPROVAL APPROVAL	DRAWER TERMINAL BOARD STORAGE (INSEPARABLE ASSEMBLY)
MATERIAL	NASA APPROVAL	CODE IDENT NO 99974 SIZE E 2900964
CONTRACT NAS 9-497	MIT APPROVAL	SCALE 1:2 SHEET 2 OF 2

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (+) WITH CHANGE PER MXC 208472	25 JAN 66	RLP MEM
B	REVISED PER MXC 209305	7 MAR 66	JHP
C	REVISED PER MXC 209921	16 MAR 66	R.W.T.
D	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF

REV STATUS OF SHEETS																						
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN DATE 10 DEC 65
CHECKED 13 DEC 65
APPROVAL 13 DEC 65
APPROVAL 5/3/66
NASA APPROVAL
MIT APPROVAL 5/3/66
CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W518

CODE IDENT NO.	SIZE		REV
99974	A	2900970	D

SCALE —

SHEET 1 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
8	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIFF CLAMP.
10	SERIALIZE PER ND1002032.
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
12	ASSEMBLE PER ND1002032.
13	MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 2 OF 22

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS,

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 3 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900970-001	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 244 FT TOTAL LENGTH
	2	1	2900970-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 30.5 FT TOTAL LENGTH
	3	1	2900970-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.25 DIA.
3	4	61	1016369-421	CONTACT, SOCKET
	5	1	1897336-001	CONNECTOR,PLUG ELECTRICAL
	6	1	1897252-008	CONNECTOR,RECEPTACLE, ELECTRICAL
	7	X	1897190-001	CONTACT,ELECTRICAL (FURNISHED WITH ITEM 6)
3	8	61	1010763-002	SLEEVE,SOLDER
3	9	122	1010490-232	INSULATION-SLEEVING,ELECTRICAL,HEAT SHRINKABLE
3	10	7	1016006-002	SPLICE-REDUCER
3	11	7	1010490-258	INSULATION-SLEEVING,ELECTRICAL,HEAT SHRINKABLE
	12		1015902-003	DELETED
	13	1	2900970-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2 FT TOTAL LENGTH
	14	1	2900970-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
3	15	3	1016128-021	BAND-IDENTIFICATION,BLANK
3	16	1	1010933-104	CLAMP,CABLE,ELECTRICAL CONNECTOR

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 4 OF 22

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 THICK.
	18	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK
	19		1010490-166	DELETED
3	20	1	1897391	CLAMP, CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
	23	1	1016369-721	CONTACT, SOCKET.

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 5 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 1B	2		E1-8 SHLD A1					.25 .25	NO NO			
A 1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A 2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 2B			E1-8 SHLD A2					.25 .25	NO NO			
A 2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A 3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 3B			E1-8 SHLD A3					.25 .25	NO NO			
A 3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A 4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 4B			E1-8 SHLD A4					.25 .25	NO NO			
A 4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 6 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 5B			E1-8 SHLD A5					.25 .25	NO NO			
A 5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A 6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 6B			E1-8 SHLD A6					.25 .25	NO NO			
A 6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A 7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 7B			E1-8 SHLD A7					.25 .25	NO NO			
A 7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A 8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 8B			E1-8 SHLD A8					.25 .25	NO NO			
A 8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 7 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 9B			E1-8 SHLD A9					.25 .25	NO NO			
A 9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A 10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 10B			E1-8 SHLD A10					.25 .25	NO NO			
A 10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A 11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 11B			E2-8 SHLD A11					.25 .25	NO NO			
A 11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A 12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 12B			E2-8 SHLD A12					.25 .25	NO NO			
A 12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 8 OF 22

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 13B			E2-8 SHLD A13					.25 .25	NO NO			
A 13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A 14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 14B			E2-8 SHLD A14					.25 .25	NO NO			
A 14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A 15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 15B			E2-8 SHLD A15					.25 .25	NO NO			
A 15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A 16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 16B			E2-8 SHLD A16					.25 .25	NO NO			
A 16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 9 OF 22

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B			E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B			E2-B SHLD A18					.25 .25	NO			
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B			E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B			F2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 10 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B			E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B			E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B			E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B			E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 11 OF 22

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B			E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B			E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B			E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B			E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 12 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

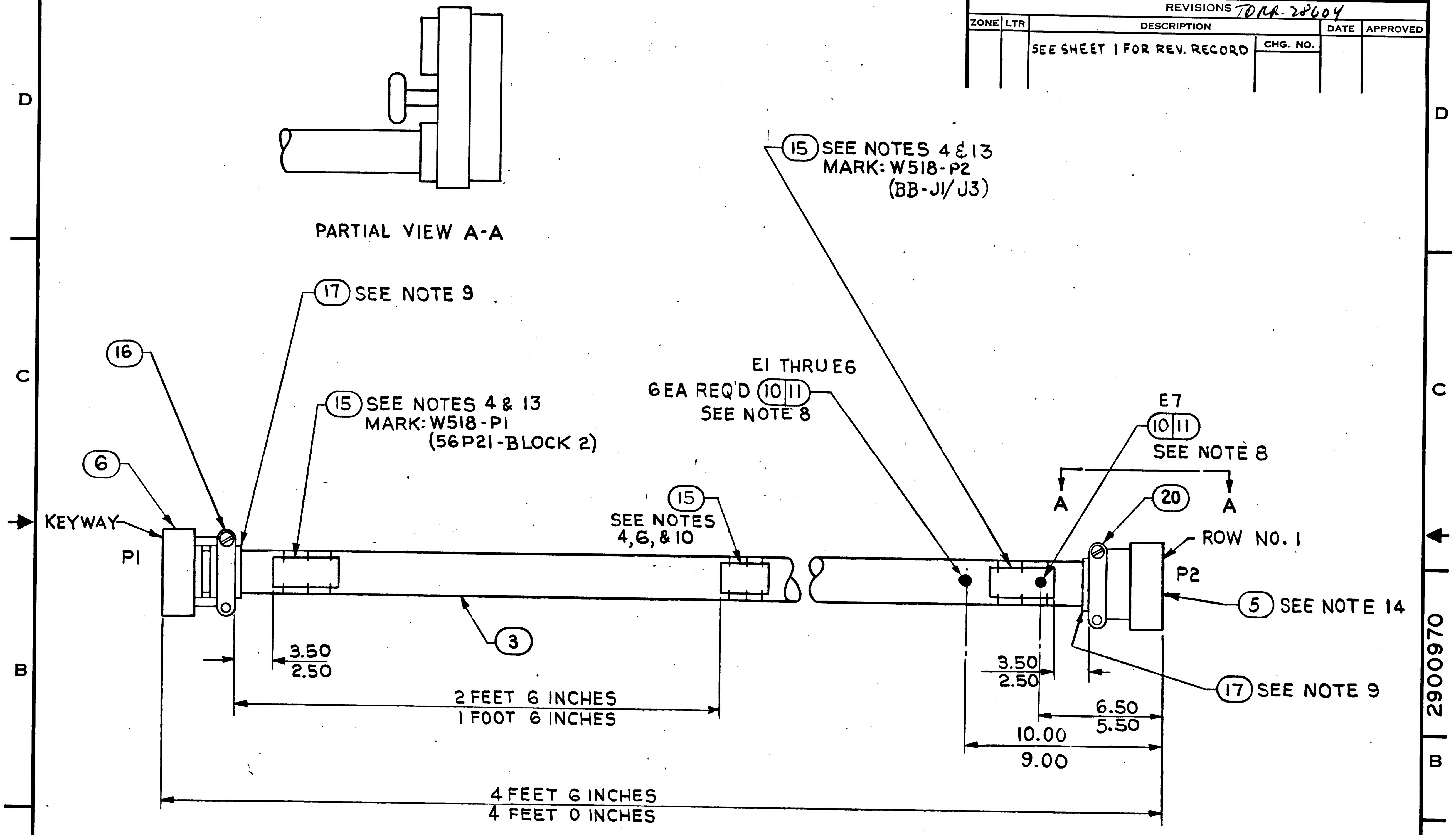
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B			E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B			E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B			E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B			E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 13 OF 22

MIL 2084 9-65

REVISIONS TDRR-28604

ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1 FOR REV. RECORD	CHG. NO.		


PARTIAL VIEW A-A
(17) SEE NOTE 9
(16)
(15) SEE NOTES 4 & 13
MARK: W518-P1
(56P21-BLOCK 2)
(6)
KEYWAY
P1
(15)
SEE NOTES
4,6, & 10
E1 THRU E6
6 EA REQ'D (10)(11)
SEE NOTE 8
(15) SEE NOTES 4 & 13
MARK: W518-P2
(BB-J1/J3)
E7
(10)(11)
SEE NOTE 8
A
A
(20)
ROW NO. 1
P2
(5) SEE NOTE 14
(17) SEE NOTE 9
(3)
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
3.50
2.50
6.50
5.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES
+ -	+ -	+ -
- -	- -	- -

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN Janowiak DATE 10 DEC 65
CHECKED Hawley 13 DEC 65
APPROVAL Lehman 5/3/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL 5-10-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W518

SIZE	CODE IDENT NO.	
C	99974	2900970

SCALE NONE

SHEET 22 OF 22

MIL-1068D D

APPLICATION	
NEXT ASSY	USED ON
2901076-011	2901076-011

Ⓜ

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (+) WITH CHANGE PER MXC 208472	25 JAN 66	RLP MEM
B	REVISED PER MXC 209305	7 MAR 66	JHP
C	REVISED PER MXC 209921	16 MAR 66	R.W.T.
D	INITIAL RELEASE CLASS A PER TDRR 28604	2 MAY 66	JHP EF
E	REVISED PER TDRR 29224	7 JUN 66	JIMP EF

REV	D	D	D
SHEET	20	21	22

REV STATUS OF SHEETS																				
	REV	E	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN ____ DATE 10 DEC 65
CHECKED ____ 13 DEC 65
APPROVAL ____ 13 DEC 65
APPROVAL ____ 5/3/66
NASA APPROVAL ____
MIT APPROVAL ____ 5/10 66
CONTRACT NAS 9-497

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W518

CODE IDENT NO.	SIZE		REV
99974	A	2900970	E

SCALE —

SHEET 1 OF 22

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 SHIELD TERMINATION FIGURES ARE PER-
A - ND1002071
B - ND1002032

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.

5 APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.

6 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

7 THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER -
A - FROM END SHIELD
B - TO END SHIELD
W - WHITE

8 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.

9 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.

10 SERIALIZE PER ND1002032.

11 LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.

12 ASSEMBLE PER ND1002032.

13 MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

SIZE A	CODE IDENT NO. 99974	2900970	
SCALE-NONE	REV LTR D	SHEET 2 OF 22	

NOTE GENERAL NOTES

NUMBER DESCRIPTION

14 AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS,

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900970	
SCALE-NONE	REV LTR D	SHEET 3 OF 22	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900970-001	WIRE ND1002181 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 244 FT TOTAL LENGTH
	2	1	2900970-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 30.5 FT TOTAL LENGTH
	3	1	2900970-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.25 DIA.
3	4	61	1016369-421	CONTACT, SOCKET
	5	1	1897336-001	CONNECTOR,PLUG ELECTRICAL
	6	1	1897252-108	CONNECTOR,RECEPTACLE, ELECTRICAL
	7	X	1897190-001	CONTACT,ELECTRICAL (FURNISHED WITH ITEM 6)
3	8	61	1010763-002	SLEEVE,SOLDER
3	9	122	1010490-232	INSULATION-SLEEVING,ELECTRICAL,HEAT SHRINKABLE
3	10	7	1016006-002	SPLICE-REDUCER
3	11	7	1010490-258	INSULATION-SLEEVING,ELECTRICAL,HEAT SHRINKABLE
	12		1015902-003	DELETED
	13	1	2900970-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 2 FT TOTAL LENGTH
	14	1	2900970-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
3	15	3	1016128-021	BAND-IDENTIFICATION,BLANK
3	16	1	1010933-104	CLAMP,CABLE,ELECTRICAL CONNECTOR

SIZE A	CODE IDENT NO. 99974	2900970	
SCALE-NONE	REV LTR ~~D~~ E	SHEET 4 OF 22	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 THICK.
	18	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2, BLACK
	19		1010490-166	DELETED
3	20	1	1897391	CLAMP, CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
	23	1	1016369-721	CONTACT, SOCKET.

SIZE A	CODE IDENT NO. 99974	2900970	
SCALE-NONE	REV LTR D	SHEET 5 OF 22	

CABLE ASSEMBLY W518 2900970 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2		E1-8 SHLD A1					.25 .25	NO NO			
A	1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B			E1-8 SHLD A2					.25 .25	NO NO			
A	2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B			E1-8 SHLD A3					.25 .25	NO NO			
A	3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B			E1-8 SHLD A4					.25 .25	NO NO			
A	4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 6 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B			E1-8 SHLD A5					.25 .25	NO NO			
A	5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B			E1-8 SHLD A6					.25 .25	NO NO			
A	6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B			E1-8 SHLD A7					.25 .25	NO NO			
A	7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B			E1-8 SHLD A8					.25 .25	NO NO			
A	8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 7 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B			E1-8 SHLD A9					.25 .25	NO NO			
A	9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B			E1-8 SHLD A10					.25 .25	NO NO			
A	10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B			E2-8 SHLD A11					.25 .25	NO NO			
A	11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B			E2-8 SHLD A12					.25 .25	NO NO			
A	12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 8 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B			E2-8 SHLD A13					.25 .25	NO NO			
A	13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B			E2-8 SHLD A14					.25 .25	NO NO			
A	14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B			E2-8 SHLD A15					.25 .25	NO NO			
A	15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B			E2-8 SHLD A16					.25 .25	NO NO			
A	16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 9 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B			E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B			E2-B SHLD A18					.25 .25	NO			
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B			E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B			F2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 10 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B			E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B			E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B			E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B			E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 11 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B			E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B			E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B			E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B			E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 12 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B			E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B			E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B			E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B			E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 13 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B			E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B			E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B			E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B			E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 14 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B			E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B			E4 B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B			E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B			E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 15 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B			E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B			E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B			E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B			E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 16 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B			E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B			E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B			E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B			E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900970
SCALE-NONE	REV LTR D	SHEET 17 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 49B			E5-8 SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 50B			E5-8 SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 51B			E6-8 SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 52B			E6-8 SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900970
SCALE-NONE
REV LTR D
SHEET 18 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 53B			E6-8 SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 54B			E6-8 SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 55B			E6-8 SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 56B			E6-8 SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900970
SCALE-NONE
REV LTR D
SHEET 19 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 57B			E6-8 SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 58B			E6-8 SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 59B			E6-8 SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 60B			E6-8 SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900970
SCALE-NONE
REV LTR D
SHEET 20 OF 22

MIL 2084 9-65

CABLE ASSEMBLY W518 2900970 D

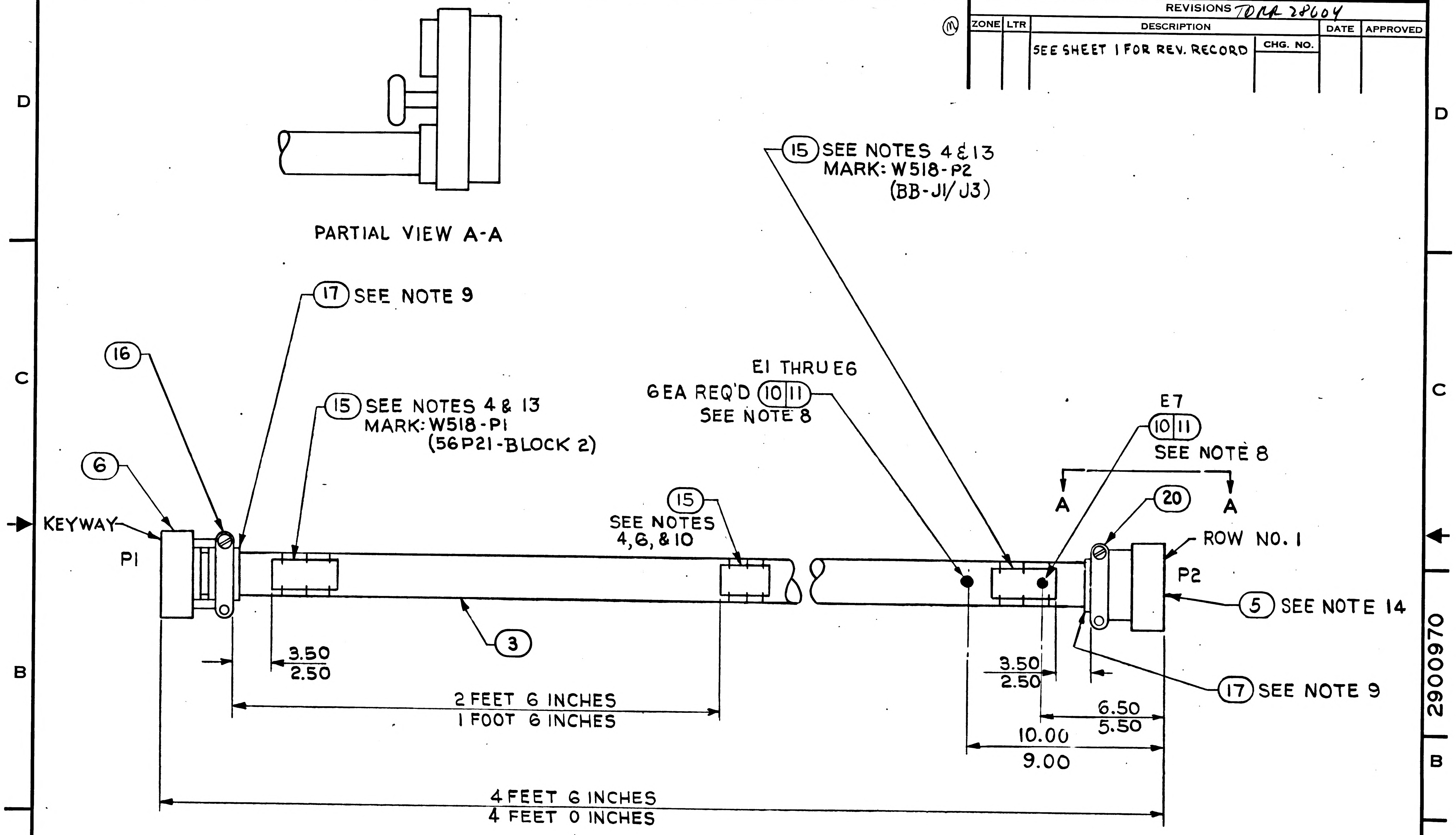
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 61B			E6-8 SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	13		E1-8B E7-B					.25 .25	NO NO			
A 63	13		E2-8B E7-B					.25 .25	NO NO			
A 64	13		E3-8B E7-B					.25 .25	NO NO			
A 65	13		E4-8B E7-B					.25 .25	NO NO			
A 66	13		E5-8B E7-B					.25 .25	NO NO			
A 67	13		E6-8B E7-B					.25 .25	NO NO			
A 68	14		E7-8B P2-X6					.25 .19	NO NO		 , 23	

SIZE A
CODE IDENT NO. 99974
2900970
SCALE-NONE
REV LTR D
SHEET 21 OF 22

MIL 2084 9-65

REVISIONS TDRR 28604

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REV. RECORD			



PARTIAL VIEW A-A
17 SEE NOTE 9
16
15 SEE NOTES 4 & 13
MARK: W518-P1
(56P21-BLOCK 2)
6
KEYWAY
P1
15
SEE NOTES
4, 6, & 10
3
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
4 FEET 6 INCHES
4 FEET 0 INCHES
E1 THRU E6
6 EA REQ'D 10 11
SEE NOTE 8
15 SEE NOTES 4 & 13
MARK: W518-P2
(BB-J1/J3)
E7
10 11
SEE NOTE 8
A
A
20
ROW NO. 1
P2
5 SEE NOTE 14
17 SEE NOTE 9
3.50
2.50
6.50
5.50
10.00
9.00

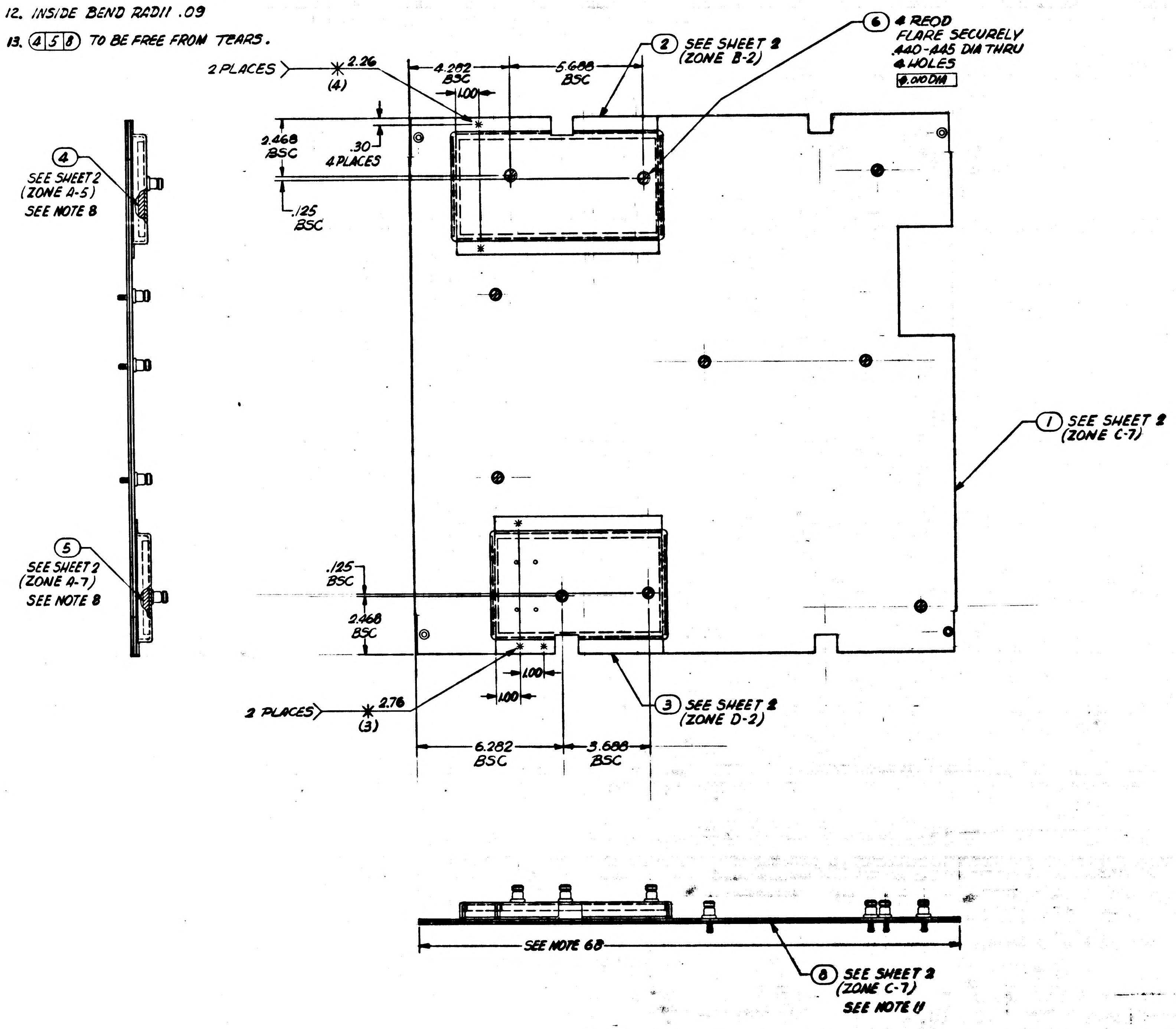
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Janowiak DATE 10 DEC 65 CHECKED [illegible] 13 DEC 65 APPROVAL [illegible] 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W518
MATERIAL	NASA APPROVAL [illegible]	SIZE C CODE IDENT NO. 99974 2900970
APPROVAL	MIT APPROVAL [illegible] 5-10-66	SCALE NONE SHEET 22 OF 22

MIL-1082D D

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.O.61603		3 FEB 66	FRW JRC
	B	INITIAL RELEASE CLASS A PER TDRR 27203		17 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
5. MATERIAL:
   - A. ALUMINUM ALLOY PER QQ-A-250/8 TEMPER H-32 (ES2105 5052 AL ALY).
   - B. SILICONE SHEET PER 1010897-000
   - C. NEOPRENE RUBBER PER MIL-R-6855, CLASS II, GRADE 40 (ES2710-1).
6. FINISH:
   - A. APPLY (10) AND TWO COATS OF (11) PER MIL-F-14072 USING SCHEDULE P513
   - B. ITEMS (6|7|9) AND AREA INDICATED TO BE FREE FROM (10|11)
7. CORNERS INDICATED TO BE .06 TO .12 RADIUS OR CHAMFER.
8. BOND (4) TO (2) AND (5) TO (3) PER ND1002151.
9. A. SPOT WELD PER MIL-W-6858, CLASS B. (ES2512-1).
   B. WELD PER MIL-W-8604 (ES2513).
10. VENDOR ITEM—SEE SPECIFICATION CONTROL DRAWING.
11. BOND ITEM (8) TO ITEM (1) USING ITEM (12).
12. INSIDE BEND RADII .09
13. (4|5|8) TO BE FREE FROM TEARS.


2 PLACES
2.26
(4)
4.282 BSC
5.688 BSC
1.00
② SEE SHEET 2 (ZONE B-2)
⑥ 4 REQD FLARE SECURELY .440-.445 DIA THRU 4 HOLES
⌀.010 DIA
2.468 BSC
.30 4 PLACES
.125 BSC
④ SEE SHEET 2 (ZONE A-5) SEE NOTE 8
⑤ SEE SHEET 2 (ZONE A-7) SEE NOTE 8
① SEE SHEET 2 (ZONE C-7)
.125 BSC
2.468 BSC
2 PLACES
2.76
(3)
1.00
③ SEE SHEET 2 (ZONE D-2)
6.282 BSC
3.688 BSC
SEE NOTE 6B
⑧ SEE SHEET 2 (ZONE C-7) SEE NOTE 11

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	12	AR	MIL-A-5092 TYPE 2	ADHESIVE
SEE NOTE 10	11	AR	1016194	ENAMEL, CASHMERE BLUE
	10	AR	MIL-P-8585	PRIMER (ES2589)
SEE NOTE 10	9	4	1006989-28	NUT, PLAIN SELF-CLINCHING
SEE NOTE 5C	8	1	2900972-006	PAD, CUSHIONING
SEE NOTE 10	7	6	1897397-010	SCREW, PANEL FASTENER
SEE NOTE 10	6	4	1897397-008	SCREW, PANEL FASTENER
SEE NOTE 5B	5	1	2900972-005	PAD, CUSHIONING
SEE NOTE 5B	4	1	2900972-004	PAD, CUSHIONING
SEE NOTE 5A&6	3	1	2900972-003	COVER, ELECTRICAL CONNECTOR
SEE NOTE 5A&6	2	1	2900972-002	COVER, ELECTRICAL CONNECTOR
SEE NOTE 5A&6	1	1	2900972-001	COVER, PLATE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900998-001	1900080

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

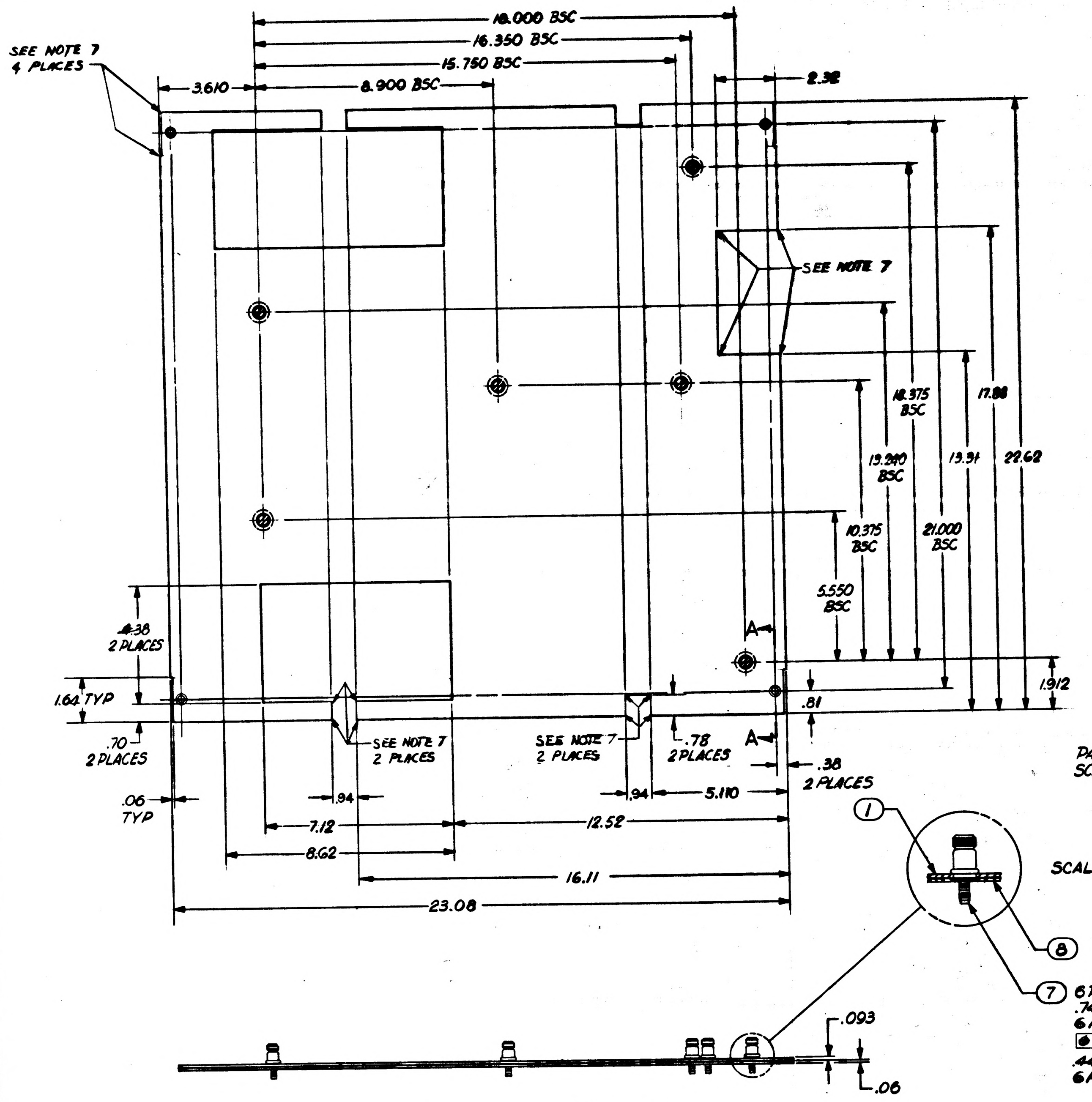
AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN 3-JAN-66 DATE
CHECKED Ed Foster 20 JAN 66
APPROVAL 2/15/66
CONTRACT NAS9-497
A. C. METZ JR.
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

COVER, PSA FIXTURE
(INSEPARABLE ASSEMBLY)

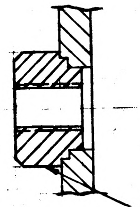
SIZE E
CODE IDENT NO. 99974
2900972
SCALE 1:2
SHEET 1 OF 2

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.A. 61603		4 FEB 66	FRW / JAC
	B	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	


SEE NOTE 7
4 PLACES
18.000 BSC
16.350 BSC
15.750 BSC
3.610
8.900 BSC
2.32
SEE NOTE 7
18.375 BSC
17.88
13.240 BSC
19.34
22.62
10.375 BSC
21.000 BSC
5.550 BSC
4.38
2 PLACES
1.64 TYP
.70
2 PLACES
.06
TYP
SEE NOTE 7
2 PLACES
SEE NOTE 7
2 PLACES
.78
2 PLACES
A
A
.81
1.912
.38
2 PLACES
.94
.94
5.110
7.12
12.52
8.62
16.11
23.08
①
⑧
⑦
SCALE: FULL
.093
.06

DETAIL OF ITEM ① AND ⑧
(ZONE D-4 AND A-5 SHEET 1)
SCALE 1:2

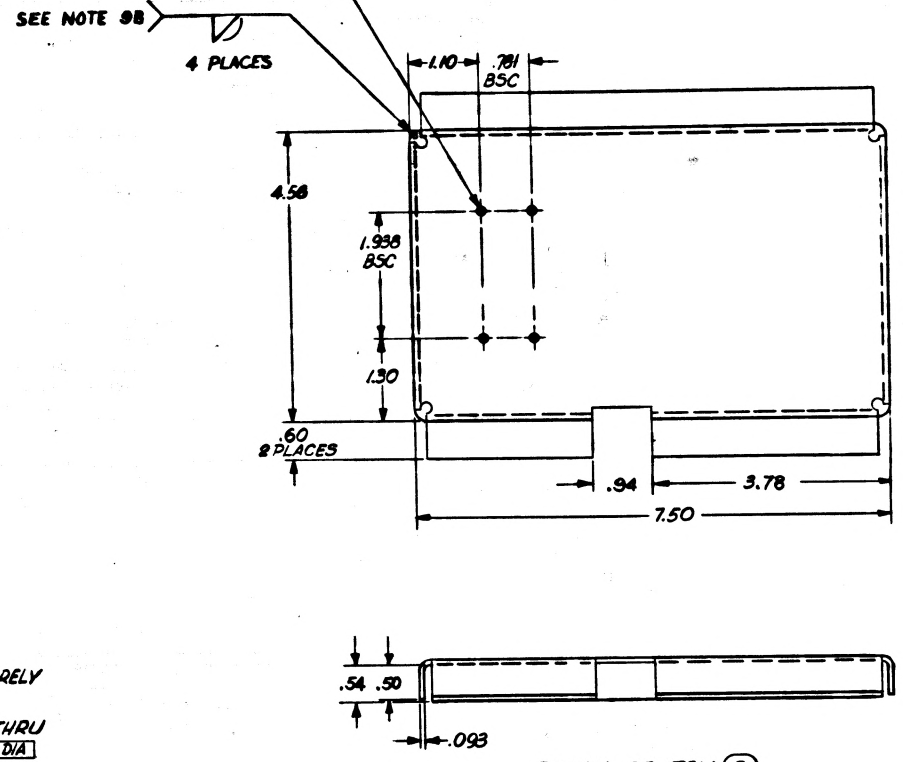
⑦ 6 REQD-FLARE SECURELY
.74 DIA THRU ⑧
6 HOLES
⌀.040 DIA
.440-.445 DIA THRU ①
6 HOLES ⌀.010 DIA



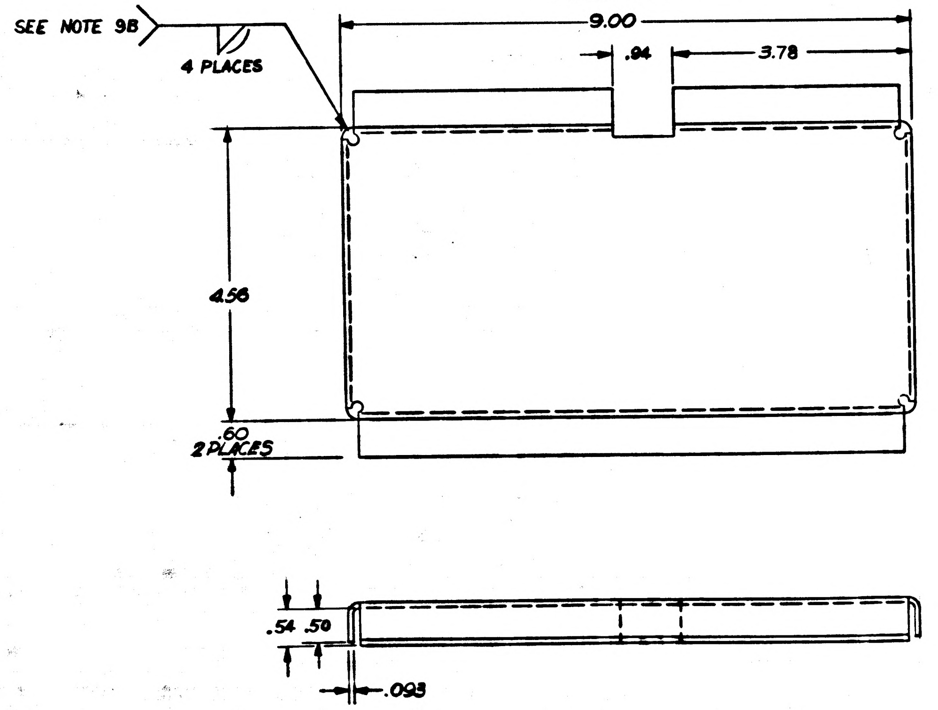
PARTIAL SECTION A-A
SCALE 4:1

⑨ 4 REQD
PRESS IN SECURELY
IN ITEM ①
.344-.347 DIA THRU
4 HOLES ⌀.010 DIA

.069-.073 THRU
CSK 90° TO MAJOR DIA
2-56 UNC-2B THRU
4 HOLES
⌀.010 DIA

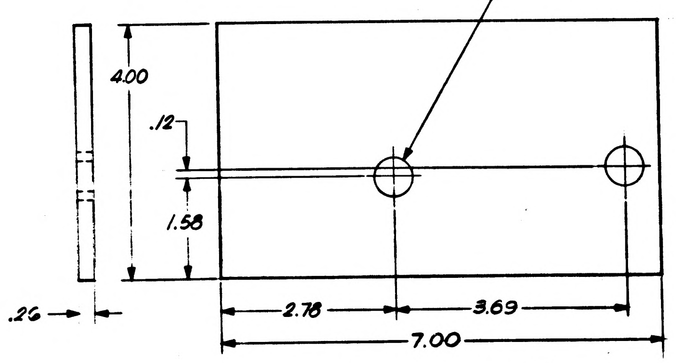

SEE NOTE 9B
4 PLACES
1.10
.781
BSC
4.56
1.938
BSC
1.30
.60
2 PLACES
.94
3.78
7.50
.54
.50
.093

DETAIL OF ITEM ③
(ZONE C-5 SHEET 1)
SCALE: FULL


SEE NOTE 9B
4 PLACES
9.00
.94
3.78
4.56
.60
2 PLACES
.54
.50
.093

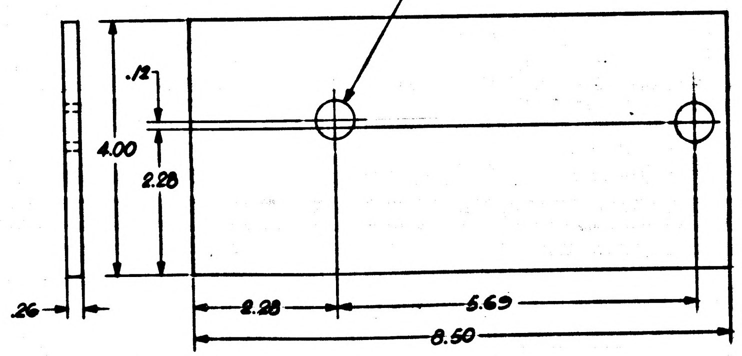
DETAIL OF ITEM ②
(ZONE F-5 SHEET 1)
SCALE: FULL

.74 THRU
2 HOLES


4.00
.12
1.58
.26
2.78
3.69
7.00

DETAIL OF ITEM ⑤
(ZONE C-8 SHEET 1)
SCALE: FULL

.74 THRU
2 HOLES


.12
4.00
2.28
.26
2.28
5.69
8.50

DETAIL OF ITEM ④
(ZONE E-8 SHEET 1)
SCALE: FULL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN 5-JAN-66 DATE CHECKED Ed Foster 20 JAN 66 APPROVAL CONTRACT NAS9-497	COVER, PSA FIXTURE (INSEPARABLE ASSEMBLY)
MATERIAL —	NASA APPROVAL A. C. METZGER MIT APPROVAL	SIZE E CODE IDENT NO. 99974 2900972
APPROVAL		SCALE — SHEET 2 OF 2

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 208478	24 JAN 66	RLP MEM
B	REVISED PER MXC-209364	3-MAR-66	B. CW
C	REVISED PER MXC 209837	11 MAR 66	MTY CW
D	REVISED PER MXC211598	22-APR-66	N.G. J.E.G.
E	INITIAL RELEASE CLASS A PER TDRR 28599	2-MAY-66	B

Charleston
17 DEC 65

REV	E	E	E	E	E	E	E	E	E	E												
SHEET	20	21	22	23	24	25	26	27	28	29												

REV STATUS	REV					E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS	SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 13 DEC 65
CHECKED Nolge 13 DEC 65
APPROVAL J Mast 13 DEC 65
APPROVAL L Jehuman 5/3/66

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W524

NASA APPROVAL G C McN
MIT APPROVAL D G Meelw 5 9 66

CODE IDENT NO.	SIZE		REV
99974	A	2900978	E

CONTRACT NAS 9-497

SCALE –

SHEET 1 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLY PER ND1002032.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
11	SERIALIZE PER ND1002032.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE A	CODE IDENT NO. 99974	2900978
SCALE-NONE	REV LTR E	SHEET 2 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900978
SCALE-NONE	REV LTR E	SHEET 3 OF 29

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900978-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 340 FT TOTAL LENGTH
	2	1	2900978-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 42.5 FT TOTAL LENGTH
	3	1	2900978-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA
7	4	85	1016369-421	CONTACT, SOCKET
7	5	1	2901434-011 ~~1897336-001~~	CONNECTOR
7	6	1	1897252-103	CONNECTOR
7	7	X	1897190-001	CONTACT,PIN (FURNISHED WITH ITEM 6)
7	8	85	1010763-002	SOLDER SLEEVE
7	9	170	1010490-232	INSULATION SLEEVING SHRINK FIT
7	10	11	1016006-002	SPLICE REDUCER
7	11	11	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2900978-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3 FT TOTAL LENGTH
	14	1	2900978-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
7	15	3	1016128-021	BAND IDENTIFICATION
7	16	1	1010933-105	STRAIN RELIEF

SIZE A	CODE IDENT NO. 99974	2900978
SCALE-NONE	REV LTR E	SHEET 4 OF 29

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T, (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2 BLACK
	19		1010490-166	DELETED
7	20	1	1897391	CLAMP CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
7	23	1	1016369-721	CONTACT, SOCKET

SIZE A	CODE IDENT NO. 99974	900978
SCALE-NONE	REV LTR E	SHEET 5 OF 29

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1				.25 .25	NO NO			
A	1W		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2	E1-B SHLD A2					.25 .25	NO NO			
A	2W		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 .25	NO NO			
A	3W		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 .25	NO NO			
A	4W		P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE A

CODE IDENT NO. 99974

2900978

SCALE-NONE

REV LTR E

SHEET 6 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 .25	NO NO			
A	5W		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 .25	NO NO			
A	6W		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 .25	NO NO			
A	7W		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 .25	NO NO			
A	8W		P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE A

CODE IDENT NO. 99974

2900978

SCALE-NONE

REV LTR E

SHEET 7 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 .25	NO NO			
A	9W		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 .25	NO NO			
A	10W		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E2-B SHLD A11					.25 .25	NO NO			
A	11W		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E2-B SHLD A12					.25 .25	NO NO			
A	12W		P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE A

CODE IDENT NO. 99974

2900978

SCALE-NONE

REV LTR E

SHEET 8 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-B SHLD A13					.25 .25	NO NO			
A	13W		P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-B SHLD A14					.25 .25	NO NO			
A	14W		P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 .25	NO NO			
A	15W		P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 .25	NO NO			
A	16W		P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE A

CODE IDENT NO. 99974

2900978

SCALE-NONE

REV LTR E

SHEET 9 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 C 2900978 E★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	17B	2		E2-B SHLD A17					.25 .25	NO NO			
A	17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A	18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	18B	2		E2-B SHLD A18					.25 .25				
A	18W			P1-18 P2-C6					.15 .19			7 4	
A	19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	19B	2		E2-B SHLD A19					.25 .25	NO NO			
A	19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A	20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	20B	2		E2-B SHLD A20					.25 .25	NO NO			
A	20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900978	
SCALE-NONE	REV LTR E★		SHEET 10 OF 29

CABLE ASSEMBLY W524 C 2900978 E★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	21B	2		E3-B SHLD A21					.25 .25	NO NO			
A	21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A	22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	22B	2		E3-B SHLD A22					.25 .25	NO NO			
A	22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A	23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	23B	2		E3-B SHLD A23					.25 .25	NO NO			
A	23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A	24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A	24B	2		E3-B SHLD A24					.25 .25	NO NO			
A	24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900978	
SCALE-NONE	REV LTR E★		SHEET 11 OF 29

CABLE ASSEMBLY W524 C 2900978 E★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	25B	2		E3-B SHLD A25					.25 .25	NO NO			
A	25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A	26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	26B	2		E3-B SHLD A26					.25 .25	NO NO			
A	26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A	27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	27B	2		E3-B SHLD A27					.25 .25	NO NO			
A	27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A	28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	28B	2		E3-B SHLD A28					.25 .25	NO NO			
A	28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900978	
SCALE-NONE	REV LTR E★		SHEET 12 OF 29

CABLE ASSEMBLY W524 0 2900978 E★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	29B	2		E3-B SHLD A29					.25 .25	NO NO			
A	29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A	30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	30B	2		E3-B SHLD A30					.25 .25	NO NO			
A	30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A	31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A	31B	2		E4-B SHLD A31					.25 .25	NO NO			
A	31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A	32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A	32B	2		E4-B SHLD A32					.25 .25	NO NO			
A	32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE A	CODE IDENT NO. 99974	2900978	
SCALE-NONE	REV LTR E★		SHEET 13 OF 29

CABLE ASSEMBLY W524 C 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E★	SHEET 14 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 C 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E★	SHEET 15 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 C 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E★	SHEET 16 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 C 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E★	SHEET 17 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	49B	2		E5-B SHLD A49					.25 .25	NO NO			
A	49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A	50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	50B	2		E5-B SHLD A50					.25 .25	NO NO			
A	50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A	51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	51B	2		E6-B SHLD A51					.25 .25	NO NO			
A	51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A	52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	52B	2		E6-B SHLD A52					.25 .25	NO NO			
A	52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 18 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	53B	2		E6-B SHLD A53					.25 .25	NO NO			
A	53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A	54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	54B	2		E6-B SHLD A54					.25 .25	NO NO			
A	54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A	55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	55B	2		E6-B SHLD A55					.25 .25	NO NO			
A	55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A	56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A	56B	2		E6-B SHLD A56					.25 .25	NO NO			
A	56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 19 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	57B	2		E6-B SHLD A57					.25 .25	NO NO			
A	57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A	58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	58B	2		E6-B SHLD A58					.25 .25	NO NO			
A	58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A	59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	59B	2		E6-B SHLD A59					.25 .25	NO NO			
A	59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A	60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	60B	2		E6-B SHLD A60					.25 .25	NO NO			
A	60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 20 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 C 2900978 E*

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	61B	2		E7-B SHLD A61					.25 .25	NO NO			
A	61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A	62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	62B	2		E7-B SHLD A62					.25 .25	NO NO			
A	62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A	63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	63B	2		E7-B SHLD A63					.25 .25	NO NO			
A	63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A	64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A	64B	2		E7-B SHLD A64					.25 .25	NO NO			
A	64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR *E	SHEET 21 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900978

SCALE-NONE | REV LTR E | SHEET 22 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900978

SCALE-NONE | REV LTR E B | SHEET 23 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900978

SCALE-NONE | REV LTR E | SHEET 24 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900978

SCALE-NONE | REV LTR E | SHEET 25 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR ★E	SHEET 26 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	13		E1-BB E10-B					.25 .25	NO NO			
A 87	13		E2-BB E10-B					.25 .25	NO NO			
A 88	13		E3-BB E10-B					.25 .25	NO NO			
A 89	13		E4-BB E10-B					.25 .25	NO NO			
A 90	13		E5-BB E10-B					.25 .25	NO NO			
A 91	13		E6-BB E11-B					.25 .25	NO NO			
A 92	13		E7-BB E11-B					.25 .25	NO NO			
A 93	13		E8-BB E11-B					.25 .25	NO NO			
A 94	13		E9-BB E11-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR ★E	SHEET 27 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E★

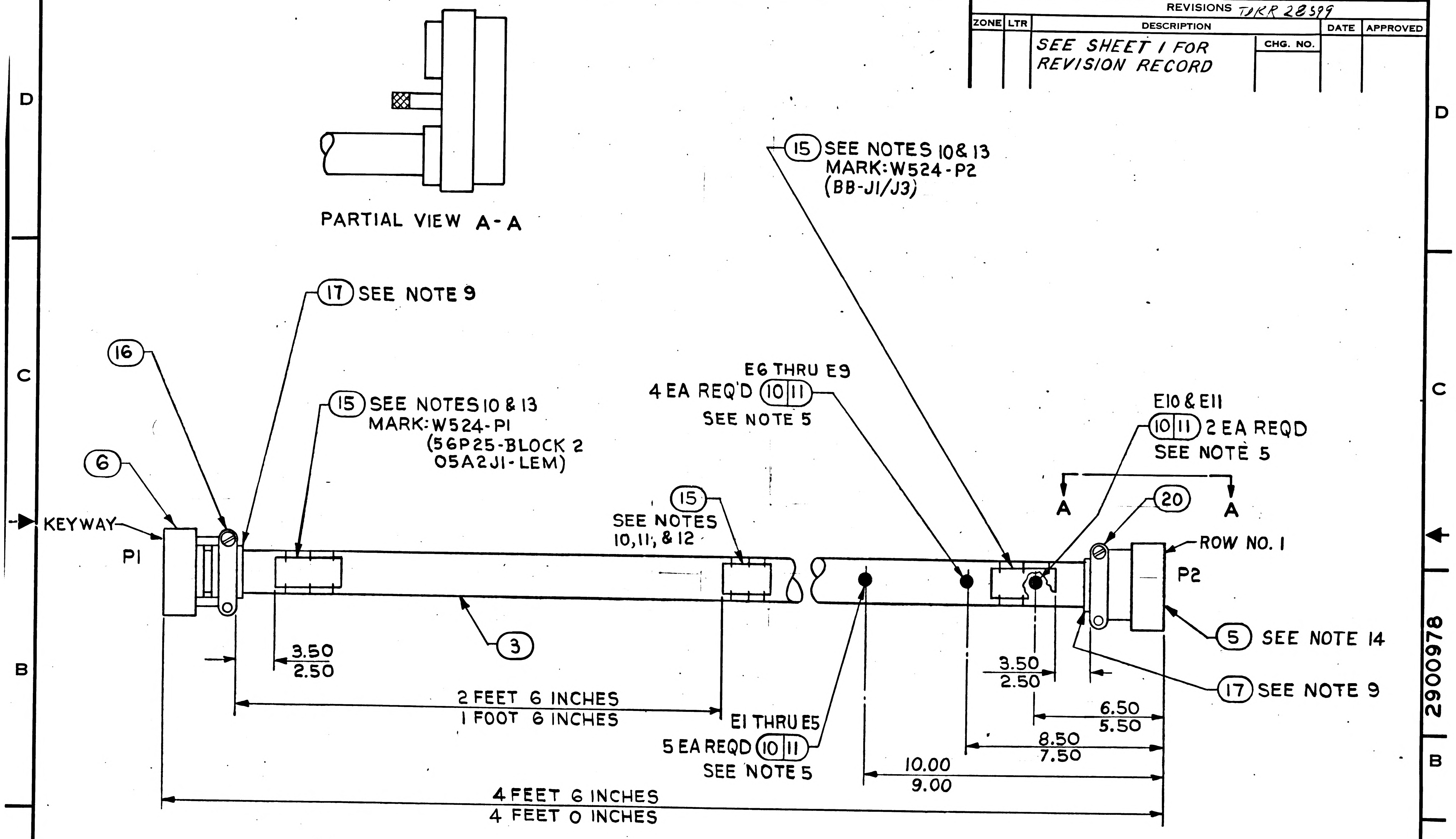
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		F10-BB E11-B					.25 .25	NO NO			
A 96	14		E11-BB P2-X6					.25 .19	NO NO		23	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E★	SHEET 28 OF 29

MIL 2084 9-65

REVISIONS TDRR 28399

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


PARTIAL VIEW A - A
15 SEE NOTES 10 & 13
MARK: W524-P2
(BB-J1/J3)
17 SEE NOTE 9
16
15 SEE NOTES 10 & 13
MARK: W524-P1
(56P25-BLOCK 2
05A2J1-LEM)
6
KEYWAY
P1
E6 THRU E9
4 EA REQ'D 10 11
SEE NOTE 5
15
SEE NOTES
10, 11, & 12
E10 & E11
10 11 2 EA REQD
SEE NOTE 5
A
A
20
ROW NO. 1
P2
5 SEE NOTE 14
17 SEE NOTE 9
3
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E1 THRU E5
5 EA REQD 10 11
SEE NOTE 5
3.50
2.50
6.50
5.50
8.50
7.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Janowiak DATE 13 DEC 65
CHECKED Molye 13 DEC 65
APPROVAL L. Gedeman 5/3/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W524

SIZE C
CODE IDENT NO. 99974
2900978
SCALE NONE
SHEET 29 OF 29

MIL-1052D D

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS				
SYM	DESCRIPTION	DATE	APPROVAL	
A	REPLACES REV(+) WITH CHANGE PER MXC 208478	24 JAN 66	RLP	MEM
B	REVISED PER MXC-209364	3-MAR-66	B.	CW
C	REVISED PER MXC 209837	11 MAR 66	MTY	
D	REVISED PER MXC211598	22-APR 66	N.G.	J.E.G.
Ⓜ E	INITIAL RELEASE CLASS A PER TDRR 28599	2-MAY-66	B	
F	REVISED PER TDRR 30223	27 JUL 66	SWM	W.D.

Charleston
17 DEC 65

REV	E	E	E	E	E	E	E	E	E	F
SHEET	20	21	22	23	24	25	26	27	28	29

REV STATUS OF SHEETS																								
REV						F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 13 DEC 65
CHECKED Moyze 13 DEC 65
APPROVAL 13 DEC 65
APPROVAL 5/3/66
NASA APPROVAL
MIT APPROVAL 5 9 66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W524

CODE IDENT NO.	SIZE		REV
99974	A	2900978	F

CONTRACT NAS 9-497
SCALE –
SHEET 1 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLY PER ND1002032.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
11	SERIALIZE PER ND1002023.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR F	SHEET 2 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 3 OF 29

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900978-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 340 FT TOTAL LENGTH
	2	1	2900978-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 42.5 FT TOTAL LENGTH
	3	1	2900978-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5 DIA
7	4	85	1016369-421	CONTACT, SOCKET
7	5	1	2901434-011 ~~1897336-001~~	CONNECTOR
7	6	1	1897252-103	CONNECTOR
7	7	X	1897190-001	CONTACT,PIN (FURNISHED WITH ITEM 6)
7	8	85	1010763-002	SOLDER SLEEVE
7	9	170	1010490-232	INSULATION SLEEVING SHRINK FIT
7	10	11	1016006-002	SPLICE REDUCER
7	11	11	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2900978-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3 FT TOTAL LENGTH
	14	1	2900978-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
7	15	3	1016128-021	BAND IDENTIFICATION
7	16	1	1010933-105	STRAIN RELIEF

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 4 OF 29

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T, (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-713B	LACING TAPE, TYPE P, CLASS 2 BLACK
	19		1010490-166	DELETED
7	20	1	1897391	CLAMP CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
7	23	1	1016369-721	CONTACT, SOCKET

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 5 OF 29

CABLE ASSEMBLY W524 0 2900978 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1					.25 .25	NO NO			
A	1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2		E1-B SHLD A2					.25 .25	NO NO			
A	2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2		E1-B SHLD A3					.25 .25	NO NO			
A	3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2		E1-B SHLD A4					.25 .25	NO NO			
A	4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 6 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2		E1-B SHLD A5					.25 .25	NO NO			
A	5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2		E1-B SHLD A6					.25 .25	NO NO			
A	6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2		E1-B SHLD A7					.25 .25	NO NO			
A	7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2		E1-B SHLD A8					.25 .25	NO NO			
A	8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 7 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2		E1-B SHLD A9					.25 .25	NO NO			
A	9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2		E1-B SHLD A10					.25 .25	NO NO			
A	10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2		E2-B SHLD A11					.25 .25	NO NO			
A	11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2		E2-B SHLD A12					.25 .25	NO NO			
A	12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 8 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2		E2-B SHLD A13					.25 .25	NO NO			
A	13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2		E2-B SHLD A14					.25 .25	NO NO			
A	14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2		E2-B SHLD A15					.25 .25	NO NO			
A	15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2		E2-B SHLD A16					.25 .25	NO NO			
A	16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 9 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 10 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 11 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 12 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 13 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 14 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0- 2900978 E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 15 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 16 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E*	SHEET 17 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 18 OF 29

MIL 2084 9.65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 19 OF 29

MIL 2084 9.65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 20 OF 29

MIL 2084 9.65

CABLE ASSEMBLY W524 0 2900978 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E7-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E7-B SHLD A62					.25 .25	NO NO			
A 62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E7-B SHLD A63					.25 .25	NO NO			
A 63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E7-B SHLD A64					.25 .25	NO NO			
A 64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR E	SHEET 21 OF 29

MIL 2084 9.65

CABLE ASSEMBLY W524 0 2900978 *E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR *E*	SHEET 22 OF *29*

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 *E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR *E*	SHEET 23 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 *E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR *E*	SHEET 24 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 *E*

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900978
SCALE-NONE	REV LTR *E*	SHEET 25 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900978
SCALE-NONE
REV LTR ★E
SHEET 26 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W524 0- 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	13		E1-BB E10-B					.25 .25	NO NO			
A 87	13		E2-BB E10-B					.25 .25	NO NO			
A 88	13		E3-BB E10-B					.25 .25	NO NO			
A 89	13		E4-BB E10-B					.25 .25	NO NO			
A 90	13		E5-BB E10-B					.25 .25	NO NO			
A 91	13		E6-BB E11-B					.25 .25	NO NO			
A 92	13		E7-BB E11-B					.25 .25	NO NO			
A 93	13		E8-BB E11-B					.25 .25	NO NO			
A 94	13		E9-BB E11-B					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2900978
SCALE-NONE
REV LTR ★E
SHEET 27 OF 29

MIL 2084 9-65

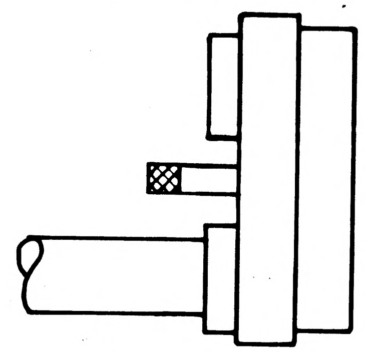
CABLE ASSEMBLY W524 0 2900978 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E10-BB E11-B					.25 .25	NO NO			
A 96	14		E11-BB P2-X6					.25 .19	NO NO		 23	

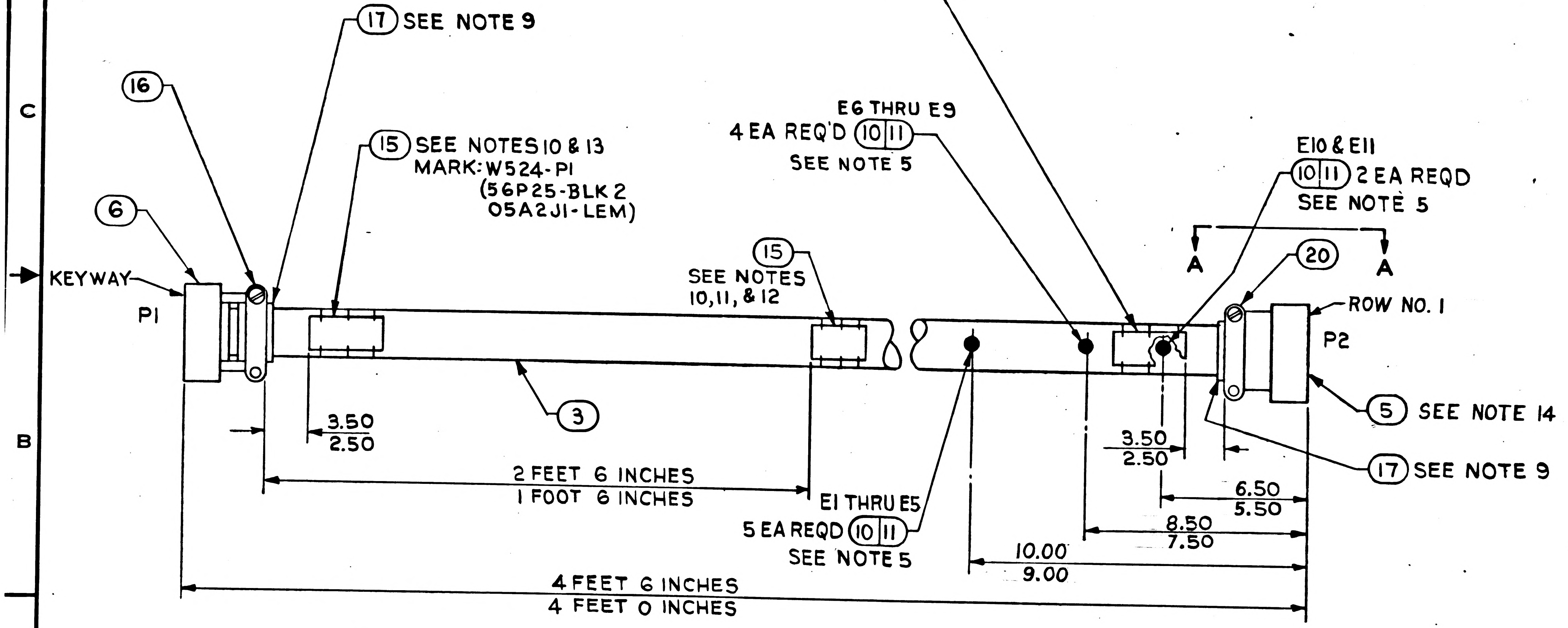
SIZE A
CODE IDENT NO. 99974
2900978
SCALE-NONE
REV LTR E★
SHEET 28 OF 29

MIL 2084 9-65

REVISIONS TDKR 28599					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A



(17) SEE NOTE 9
(16)
(15) SEE NOTES 10 & 13
MARK: W524-P1
(56P25-BLK 2
05A2J1-LEM)
(6)
KEYWAY
P1
(3)
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
4 FEET 6 INCHES
4 FEET 0 INCHES
(15)
SEE NOTES
10, 11, & 12
E6 THRU E9
4 EA REQ'D (10|11)
SEE NOTE 5
(15) SEE NOTES 10 & 13
MARK: W524-P2
(BB-J1/J3)
E1 THRU E5
5 EA REQD (10|11)
SEE NOTE 5
10.00
9.00
E10 & E11
(10|11) 2 EA REQD
SEE NOTE 5
A
A
(20)
ROW NO. 1
P2
(5) SEE NOTE 14
(17) SEE NOTE 9
3.50
2.50
6.50
5.50
8.50
7.50

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —	**AC ELECTRONICS DIVISION** GENERAL MOTORS CORP. MILWAUKEE WIS. DRAWN Janowiak DATE 13 DEC 65 CHECKED Nolye 13 DEC 65 APPROVAL C Federman 5/3/66 CONTRACT NAS 9-497	MANNED SPACECRAFT CENTER HOUSTON, TEXAS CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W524
DO NOT SCALE THIS DRAWING		
MATERIAL	NASA APPROVAL	SIZE C | CODE IDENT NO. 99974 | 2900978
APPROVAL	MIT APPROVAL	SCALE NONE | SHEET 29 OF 29

1

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2901075-011	2901075-011	A	REPLACES REV (-) WITH CHANGE PER MXC 208479	24 JAN 66	RLP / Y.M.
		B	REVISED PER MXC 209365	4 MAR 66	JIM P
		C	REVISED PER MXC209838	17 MAR 66	R.W.T. / EF
		D	REVISED PER MXC 211599	22-APR 66	M.G. / W.D.
		E	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	PM

Charleston
17 DEC 65

REV	E	E	E	E	E	E	E	E	E	E										
SHEET	20	21	22	23	24	25	26	27	28	29										
REV STATUS REV					E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
OF SHEETS SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 13 DEC 65
CHECKED 13 DEC 65
APPROVAL 13 DEC 65
APPROVAL Gehman 5/3/66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W525

NASA APPROVAL
MIT APPROVAL

CODE IDENT NO.	SIZE		REV
99974	A	2900979	E

CONTRACT NAS 9-497

SCALE -

SHEET 1 OF 29

CABLE ASSEMBLY W525 0 2900979 E

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLY PER ND1002032.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
11	SERIALIZE PER ND1002032.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 2 OF 29	

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 3 OF 29	

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900979-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 340 FT TOTAL LENGTH
	2	1	2900979-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 42.5 FT TOTAL LENGTH
	3	1	2900979-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5, DI
7	4	85	1016369-421	CONTACT,SOCKET
7	5	1	2901434-011 ~~1897336-001~~	CONNECTOR
7	6	1	1897249-003	CONNECTOR
7	7	X	1897190-002	CONTACT,SOCKET
7	8	85	1010763-002	SOLDER SLEEVE
7	9	170	1010490-232	INSULATION SLEEVING SHRINK FIT
7	10	11	1016006-002	SPLICE REDUCER
7	11	11	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2900979-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3 FT TOTAL LENGTH
	14	1	2900979-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
7	15	3	1016128-021	BAND IDENTIFICATION
7	16	1	1010933-105	STRAIN RELIEF

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 4 OF 29	

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T, (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-7138	LACING TAPE, TYPE P, CLASS 2 BLACK
	19		1010490-166	DELETED
7	20	1	1897391	CLAMP CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
7	23	1	1016369-721	CONTACT, SOCKET

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR	SHEET 5 OF 29	

MIL

CABLE ASSEMBLY W525 0 2900979 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1					.25 .25	NO NO			
A	1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2		E1-B SHLD A2					.25 .25	NO NO			
A	2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2		E1-B SHLD A3					.25 .25	NO NO			
A	3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2		E1-B SHLD A4					.25 .25	NO NO			
A	4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 6 OF 29	

CABLE ASSEMBLY W525 0 2900979 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2		E1-B SHLD A5					.25 .25	NO NO			
A	5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2		E1-B SHLD A6					.25 .25	NO NO			
A	6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2		E -B SHLD A7					.25 .25	NO NO			
A	7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2		E1-B SHLD A8					.25 .25	NO NO			
A	8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 7 OF 29	

CABLE ASSEMBLY W525 0 2900979 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2		E1-B SHLD A9					.25 .25	NO NO			
A	9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2		E1-B SHLD A10					.25 .25	NO NO			
A	10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2		E2-B SHLD A11					.25 .25	NO NO			
A	11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2		E2-B SHLD A12					.25 .25	NO NO			
A	12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 8 OF 29	

CABLE ASSEMBLY W525 0 2900979 E

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2		E2-B SHLD A13					.25 .25	NO NO			
A	13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2		E2-B SHLD A14					.25 .25	NO NO			
A	14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2		E2-B SHLD A15					.25 .25	NO NO			
A	15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2		E2-B SHLD A16					.25 .25	NO NO			
A	16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.		
A	99974	2900979	
SCALE-NONE	REV LTR E	SHEET 9 OF 29	

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-8 SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-8 SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-8 SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-8 SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 10 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-8 SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-8 SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-8 SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-8 SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 11 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-8 SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-8 SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-8 SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-8 SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 12 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-8 SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-8 SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-8 SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-8 SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 13 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 18 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 19 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 20 OF 29

MIL 2084 9

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E7-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E7-B SHLD A62					.25 .25	NO NO			
A 62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E7-B SHLD A63					.25 .25	NO NO			
A 63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E7-B SHLD A64					.25 .25	NO NO			
A 64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 21 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 C 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 22 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 23 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 24 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 25 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 C 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 26 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 C 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	13		E1-BB E10-B					.25 .25	NO NO			
A 87	13		E2-BB E10-B					.25 .25	NO NO			
A 88	13		E3-BB E10-B					.25 .25	NO NO			
A 89	13		E4-BB E10-B					.25 .25	NO NO			
A 90	13		E5-BB E10-B					.25 .25	NO NO			
A 91	13		E6-BB E11-B					.25 .25	NO NO			
A 92	13		E7-BB E11-B					.25 .25	NO NO			
A 93	13		E8-BB E11-B					.25 .25	NO NO			
A 94	13		E9-BB E11-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 27 OF 29

MIL 2084 9-65

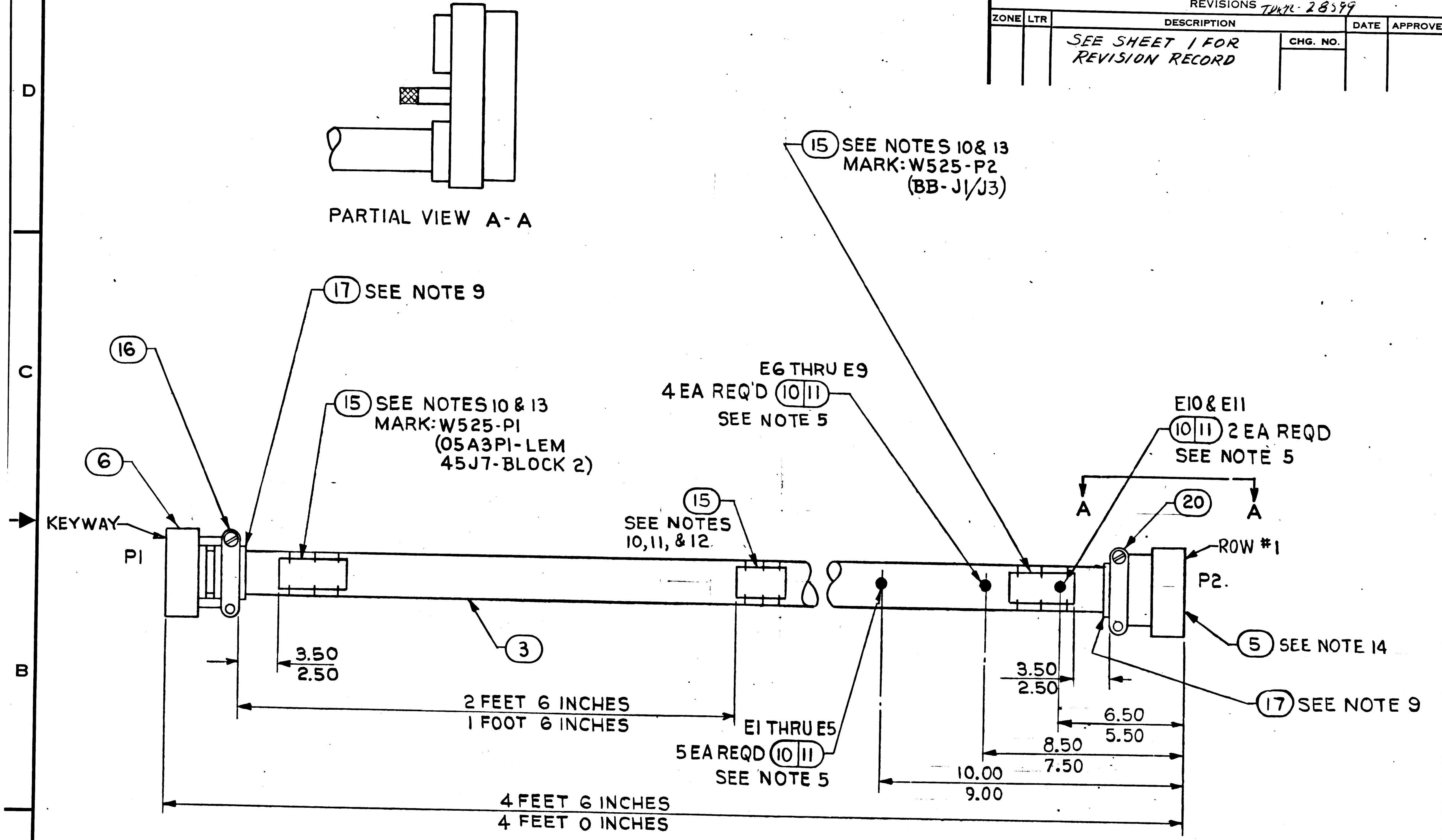
CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E10-BB E11-B					.25 .25	NO NO			
A 96	14		E11-BB P2-X6					.25 .19	NO NO		23, 19	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 28 OF 29

MIL 2084 9-65

ZONE	LTR	REVISIONS TDRR-28599 DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			


D
C
B
PARTIAL VIEW A-A
15 SEE NOTES 10& 13
MARK: W525-P2
(BB-J1/J3)
17 SEE NOTE 9
16
6
KEYWAY
P1
15 SEE NOTES 10 & 13
MARK: W525-P1
(05A3P1-LEM
45J7-BLOCK 2)
15
SEE NOTES
10, 11, & 12
E6 THRU E9
4 EA REQ'D 10 11
SEE NOTE 5
E10 & E11
10 11 2 EA REQD
SEE NOTE 5
A
A
20
ROW #1
P2.
5 SEE NOTE 14
3
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E1 THRU E5
5 EA REQD 10 11
SEE NOTE 5
3.50
2.50
17 SEE NOTE 9
6.50
5.50
8.50
7.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES
2900979
D
C
B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± _ 3 PLACE DECIMALS ± _ ANGLES ± _	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Janowiak 13 DEC 65 CHECKED Tholye 13 DEC 65 APPROVAL L Gelman 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W525
MATERIAL	NASA APPROVAL	SIZE C CODE IDENT NO. 99974 2900979
APPROVAL	MIT APPROVAL MGMal 5/9/66	SCALE NONE SHEET 29 OF 29

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (-) WITH CHANGE PER MXC 208479	24 JAN 66	RLP V.M.
B	REVISED PER MXC 209365	4 MAR 66	JIM P
C	REVISED PER MXC209838	17 MAR 66	R.W.T. EF
D	REVISED PER MXC211599	22-APR 66	M.G. W.D
Ⓜ E	INITIAL RELEASE CLASS A PER TDRR 28574	2 MAY 66	PM
F	REVISED PER TDRR 30224	27 JUL 66	GWM EF

Charleston
17 DEC 65

REV	E	E	E	E	E	E	E	E	E	F										
SHEET	20	21	22	23	24	25	26	27	28	29										

REV STATUS OF SHEETS																								
REV					F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Jaenmoale DATE 13 DEC 65
CHECKED 13 DEC 65
APPROVAL 13 DEC 65
APPROVAL Gehman 5/3/66

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, W525

NASA APPROVAL
MIT APPROVAL
CONTRACT NAS 9-497

CODE IDENT NO. 99974
SIZE A
2900979
REV F
SCALE -
SHEET 1 OF 29

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	ASSEMBLY PER ND1002032.
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019.
6	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE OR WHITE WITH LETTER W.
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP. USE ONLY IF REQUIRED.
10	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
11	SERIALIZE PER ND1002023.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
13	MARK IDENTIFICATION BAND WITH REFERENCE DESIGNATION AS NOTED, .12 INCH HIGH, COLOR BLACK, HOT IMPRESSION STAMPING PER ND1002019. CENTRALIZE.
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900979-001	WIRE ND1002181 TYPE 1 CLASS 4 22AWG WHT JKT WHT 340 FT TOTAL LENGTH
	2	1	2900979-002	WIRE ND1002181 TYPE 1 CLASS 1 24AWG WHT 42.5 FT TOTAL LENGTH
	3	1	2900979-003	ZIPPER TUBING PER ND1002155 TYPE 1 GREY 1.5, DI
7	4	85	1016369-421	CONTACT,SOCKET
7	5	1	2901434-011 ~~1897336-001~~	CONNECTOR
7	6	1	1897249-003	CONNECTOR
7	7	X	1897190-002	CONTACT,SOCKET
7	8	85	1010763-002	SOLDER SLEEVE
7	9	170	1010490-232	INSULATION SLEEVING SHRINK FIT
7	10	11	1016006-002	SPLICE REDUCER
7	11	11	1010490-258	INSULATION SLEEVING SHRINK FIT
	12		1015902-003	DELETED
	13	1	2900979-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3 FT TOTAL LENGTH
	14	1	2900979-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 1 FT TOTAL LENGTH
7	15	3	1016128-021	BAND IDENTIFICATION
7	16	1	1010933-105	STRAIN RELIEF

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T, (BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK
	18	AR	MIL-T-7138	LACING TAPE, TYPE P, CLASS 2 BLACK
	19		1010490-166	DELETED
7	20	1	1897391	CLAMP CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
7	23	1	1016369-721	CONTACT, SOCKET

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	1B	2	E1-B SHLD A1					.25 .25	NO NO			
A	1W		P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2	E1-B SHLD A2					.25 .25	NO NO			
A	2W		P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2	E1-B SHLD A3					.25 .25	NO NO			
A	3W		P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2	E1-B SHLD A4					.25 .25	NO NO			
A	4W		P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 6 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2	E1-B SHLD A5					.25 .25	NO NO			
A	5W		P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2	E1-B SHLD A6					.25 .25	NO NO			
A	6W		P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2	E1-B SHLD A7					.25 .25	NO NO			
A	7W		P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1			2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2	E1-B SHLD A8					.25 .25	NO NO			
A	8W		P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 7 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2	E1-B SHLD A9					.25 .25	NO NO			
A	9W		P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2	E1-B SHLD A10					.25 .25	NO NO			
A	10W		P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2	E2-B SHLD A11					.25 .25	NO NO			
A	11W		P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2	E2-B SHLD A12					.25 .25	NO NO			
A	12W		P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 8 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2	E2-B SHLD A13					.25 .25	NO NO			
A	13W		P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2	E2-B SHLD A14					.25 .25	NO NO			
A	14W		P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2	E2-B SHLD A15					.25 .25	NO NO			
A	15W		P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1			2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2	E2-B SHLD A16					.25 .25	NO NO			
A	16W		P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 9 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 10 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 11 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 12 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 13 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 14 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 15 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 16 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 17 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR ~~D~~E	SHEET 18 OF 29

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR ~~D~~E	SHEET 19 OF 29

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR ~~D~~E	SHEET 20 OF 29

CABLE ASSEMBLY W525 0 2900979 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E7-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E7-B SHLD A62					.25 .25	NO NO			
A 62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E7-B SHLD A63					.25 .25	NO NO			
A 63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E7-B SHLD A64					.25 .25	NO NO			
A 64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR ~~D~~E	SHEET 21 OF 29

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR ~~Ø~~E | SHEET 22 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR ~~Ø~~E | SHEET 23 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR ~~Ø~~E | SHEET 24 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE A | CODE IDENT NO. 99974 | 2900979

SCALE-NONE | REV LTR ~~Ø~~E | SHEET 25 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 26 OF 29

MIL 2084 9-65

CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	13		E1-BB E10-B					.25 .25	NO NO			
A 87	13		E2-BB E10-B					.25 .25	NO NO			
A 88	13		E3-BB E10-B					.25 .25	NO NO			
A 89	13		E4-BB E10-B					.25 .25	NO NO			
A 90	13		E5-BB E10-B					.25 .25	NO NO			
A 91	13		E6-BB E11-B					.25 .25	NO NO			
A 92	13		E7-BB E11-B					.25 .25	NO NO			
A 93	13		E8-BB E11-B					.25 .25	NO NO			
A 94	13		E9-BB E11-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 27 OF 29

MIL 2084 9-65

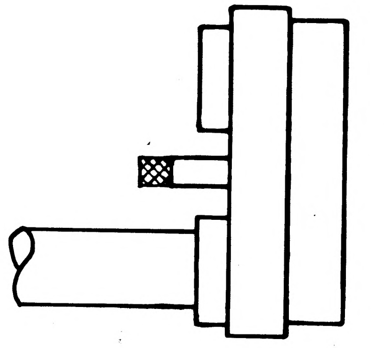
CABLE ASSEMBLY W525 0 2900979 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E10-BB E11-B					.25 .25	NO NO			
A 96	14		E11-BB P2-X6					.25 .19	NO NO		23, 19	

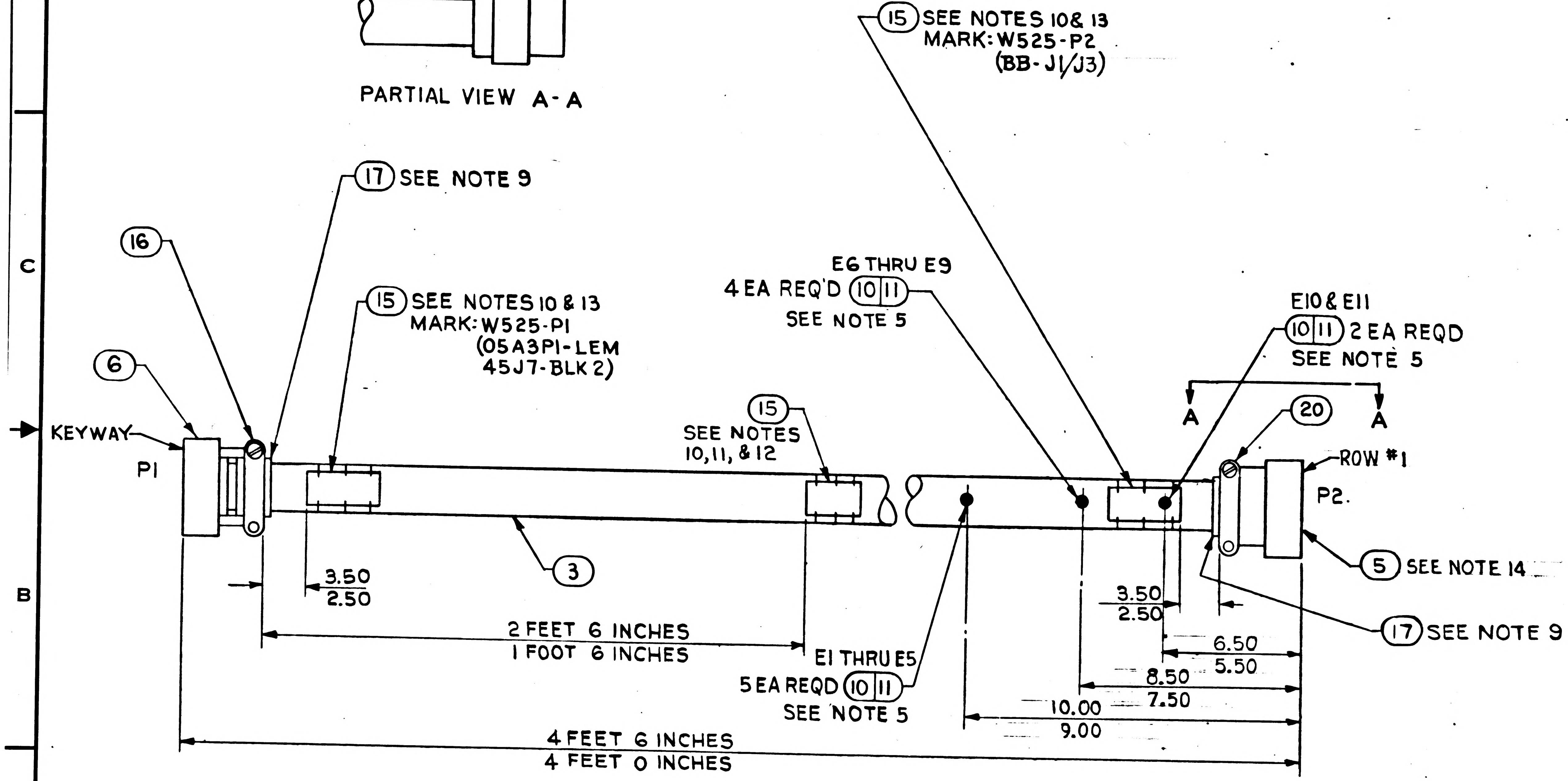
SIZE	CODE IDENT NO.	
A	99974	2900979
SCALE-NONE	REV LTR E	SHEET 28 OF 29

MIL 2084 9-65

REVISIONS TDRR-28599					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A

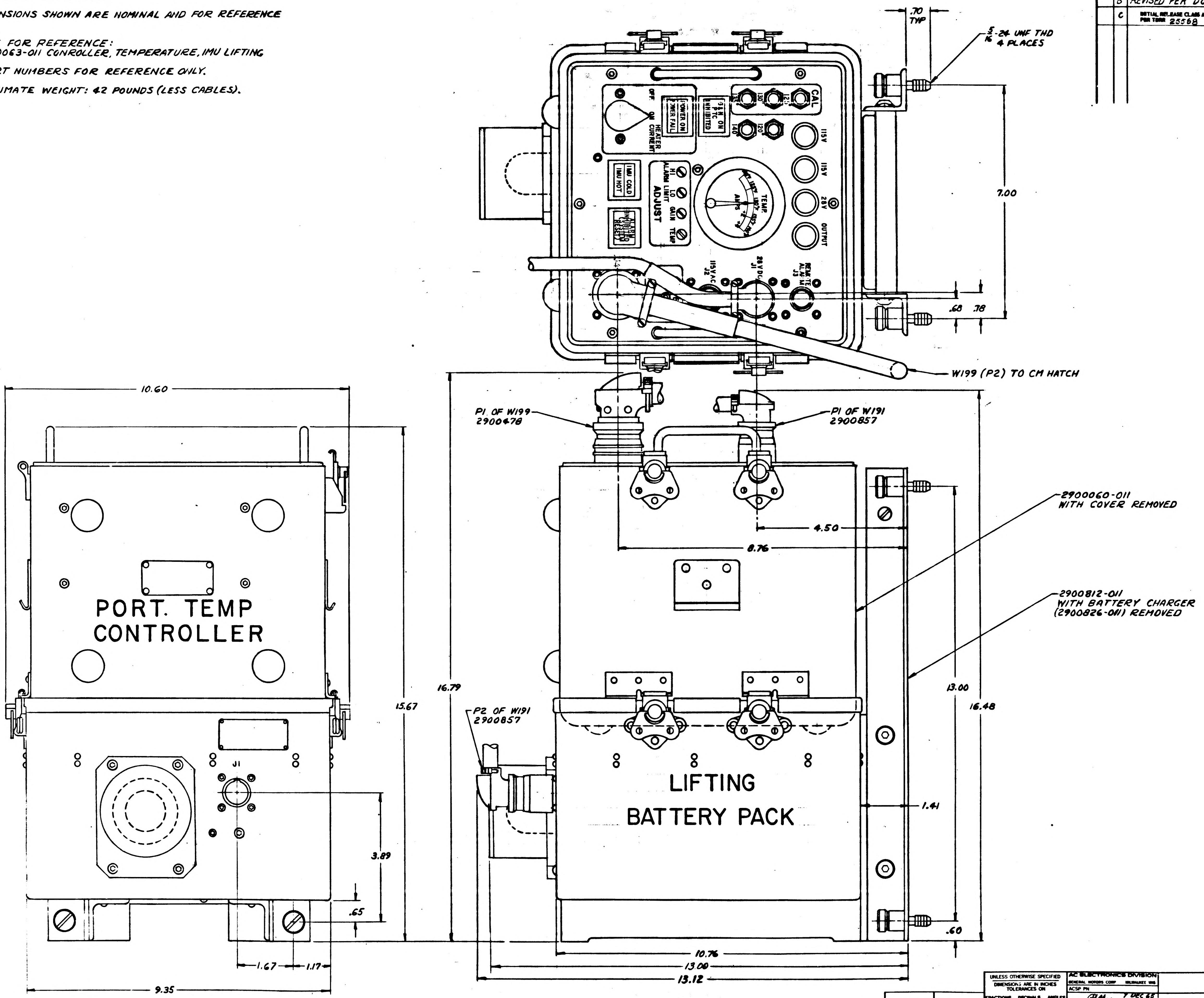

15 SEE NOTES 10 & 13
MARK: W525-P2
(BB-J1/J3)
17 SEE NOTE 9
16
15 SEE NOTES 10 & 13
MARK: W525-P1
(05A3P1-LEM
45J7-BLK 2)
6
KEYWAY
P1
15
SEE NOTES
10, 11, & 12
E6 THRU E9
4 EA REQ'D 10 11
SEE NOTE 5
E10 & E11
10 11 2 EA REQD
SEE NOTE 5
A
A
20
ROW #1
P2.
5 SEE NOTE 14
17 SEE NOTE 9
3
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E1 THRU E5
5 EA REQD 10 11
SEE NOTE 5
4 FEET 6 INCHES
4 FEET 0 INCHES
3.50
2.50
6.50
5.50
8.50
7.50
10.00
9.00

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + _ − 3 PLACE DECIMALS + _ − ANGLES + _ −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN Janowiak DATE 13 DEC 65 CHECKED Molye 13 DEC 65 APPROVAL Gehman 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W525
MATERIAL	NASA APPROVAL	SIZE C · CODE IDENT NO. 99974 · 2900979
APPROVAL	MIT APPROVAL 5-9-66	SCALE NONE · SHEET 29 OF 29

MIL-1000 D

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL DIMENSIONS SHOWN ARE NOMINAL AND FOR REFERENCE ONLY.
3. DRAWING FOR REFERENCE:
   2900063-011 CONTROLLER, TEMPERATURE, IMU LIFTING
4. ALL PART NUMBERS FOR REFERENCE ONLY.
5. APPROXIMATE WEIGHT: 42 POUNDS (LESS CABLES).

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.O. 61371		DEC 65	
	B	REVISED PER D.O. 61420	—	4 JAN 66	ERW JAC
	C	INITIAL RELEASE CLASS A PER TDRR 25568		5 JAN 66	

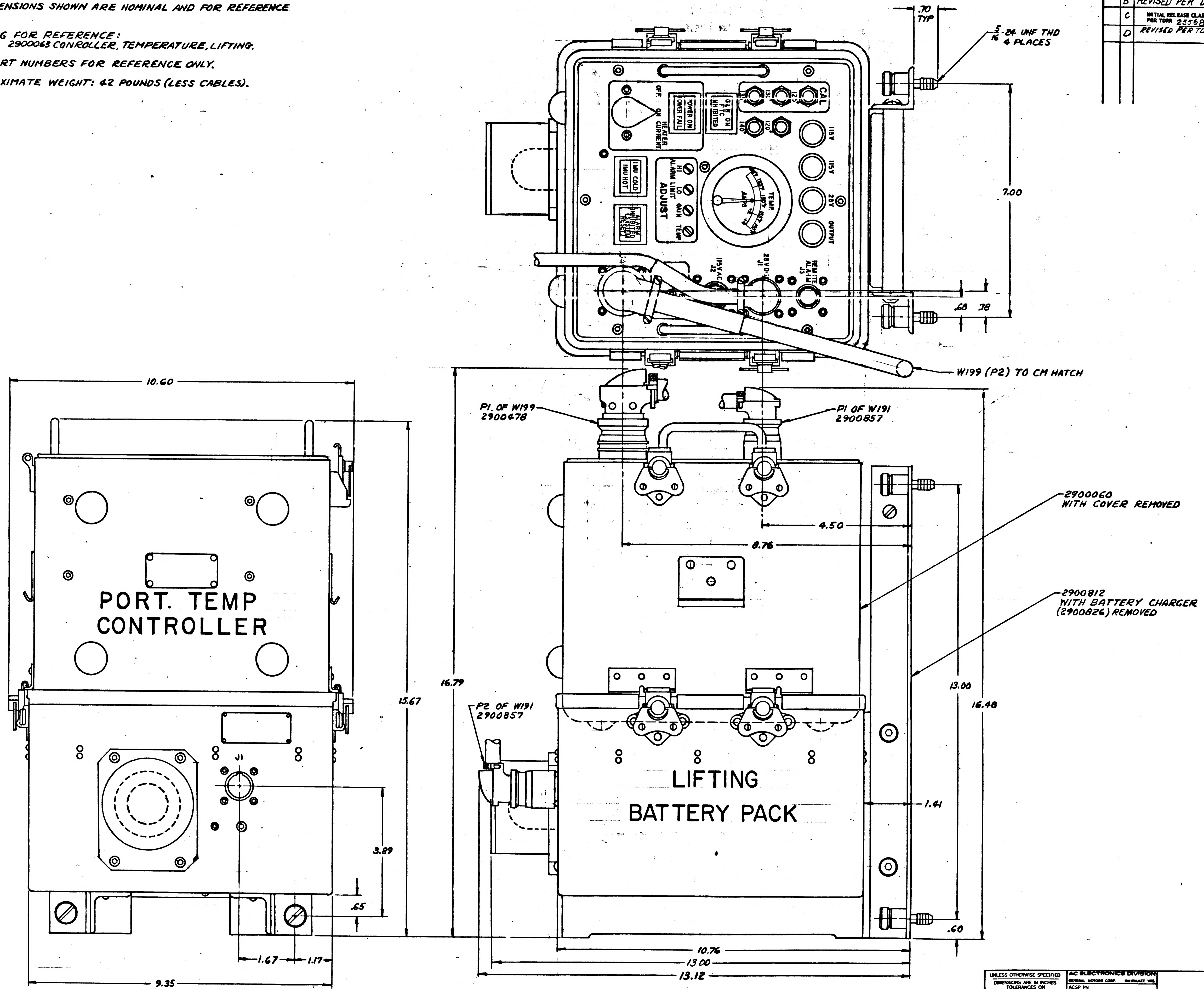


.70 TYP
5/16-24 UNF THD 4 PLACES
7.00
.68
.78
W199 (P2) TO CM HATCH
CAL
115V
28V
OUTPUT
TEMP
AMPS
HEATER ON CURRENT
OFF
POWER ON
POWER FAIL
IMU COLD
IMU HOT
HI ALARM LIMIT
LO
GAIN
TEMP
ADJUST
115 V AC J2
28 V DC J1
REMOTE ALARM J3
10.60
P1 OF W199 2900478
P1 OF W191 2900857
2900060-011 WITH COVER REMOVED
4.50
8.76
2900812-011 WITH BATTERY CHARGER (2900826-011) REMOVED
16.79
15.67
13.00
16.48
PORT. TEMP CONTROLLER
P2 OF W191 2900857
J1
LIFTING BATTERY PACK
1.41
3.89
.65
.60
1.67
1.17
9.35
10.76
13.00
13.12

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS ± DECIMALS ± ANGLES ±	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
			ACSP PN	
			DRAWN 7 DEC 65 DATE	INSTALLATION DRAWING, IMU LIFTING TEMPERATURE CONTROLLER
			CHECKED 15 DEC 65	
			APPROVAL 18 DEC 65	
		DO NOT SCALE THIS DRAWING	APPROVAL 1-21-66	
		MATERIAL —	NASA APPROVAL	CODE IDENT NO. 99974 SIZE E 2900982
2900063-011	2900063-011			
NEXT ASSY	USED ON			
APPLICATION		CONTRACT NAS 9-497	MIT APPROVAL 1-25-66	SCALE 1/1 SHEET 1 OF 1

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ALL DIMENSIONS SHOWN ARE NOMINAL AND FOR REFERENCE ONLY.
3. DRAWING FOR REFERENCE:
   2900063 CONTROLLER, TEMPERATURE, LIFTING.
4. ALL PART NUMBERS FOR REFERENCE ONLY.
5. APPROXIMATE WEIGHT: 42 POUNDS (LESS CABLES).

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.O. 61371		DEC 65	JWP
	B	REVISED PER D.O. 61420	—	4 JAN 66	FRW / JAC
	C	INITIAL RELEASE CLASS A PER TDRR 25568		5 JAN 66	
	D	REVISED PER TDRR 32145		3 DEC 66	EH / RLW



.70 TYP
5/16-24 UNF THD 4 PLACES
CAL
125
130
135
120
140
G&N ON PTC INHIBITED
POWER ON
POWER FAIL
OFF
ON
HEATER CURRENT
115V
115V
28V
OUTPUT
TEMP.
AMPS
IMU COLD
IMU HOT
HI
LO
GAIN
TEMP
ALARM LIMIT
ADJUST
ALARM INHIBITED (SYSTEM RESET)
J4
115VAC J2
28VDC J1
REMOTE ALARM J3
7.00
.68
.78
W199 (P2) TO CM HATCH
P1 OF W199 2900478
P1 OF W191 2900857
10.60
15.67
16.79
PORT. TEMP CONTROLLER
J1
3.89
.65
1.67
1.17
9.35
2900060 WITH COVER REMOVED
4.50
8.76
2900812 WITH BATTERY CHARGER (2900826) REMOVED
P2 OF W191 2900857
LIFTING BATTERY PACK
13.00
16.48
1.41
.60
10.76
13.00
13.12

2900063-021 2900063-011	2900063-021 2900063-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
ACSP PN
DRAWN DATE 7 DEC 65
CHECKED Ed Foster 15 DEC 65
APPROVAL 15 DEC 65
APPROVAL 1-21-66
NASA APPROVAL
MIT APPROVAL 1-25-66

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

INSTALLATION DRAWING,
LIFTING
TEMPERATURE CONTROLLER

CODE IDENT NO. 99974
SIZE E
2900982
SCALE 1/1
SHEET 1 OF 1

APPLICATION	
NEXT ASSY	USED ON
2901074-011	2901074-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV (+) WITH CHANGE PER MXC 208482	24 JAN 66	RLP MGM
B	REVISED PER MXC 209307	7 MAR 66	J.H.P. J.E.G.
C	REVISE PER MXC 209955	28 MAR 66	LGC
D	*REVISED PER MXC 211602*	22 APR 66	B. JBS
E	INITIAL RELEASE CLASS A PER TDRR 28600	3 MAY 66	JHP EF

REV	E	E	E	E	E	E	E	E	E	E									
SHEET	20	21	22	23	24	25	26	27	28	29	30								

REV STATUS OF SHEETS																				
REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 10 DEC 65
CHECKED 10 DEC 65
APPROVAL Reed 13 Dec 65
APPROVAL Feldman 5/3/66

NASA APPROVAL
MIT APPROVAL 1966

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W504

CODE IDENT NO.	SIZE		REV
99974	A	2900983	E

CONTRACT NAS 9-497

SCALE – SHEET 1 OF 30

CABLE ASSEMBLY 504 2900983 E ~~B~~

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 18.
4	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATION PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 17 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP.
8	SERIALIZE PER ND1002032.
9	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES.
10	ASSEMBLE PER ND1002032.
11	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER - A - FROM END SHIELD B - TO END SHIELD W - WHITE
12	APPLY REFERENCE DESIGNATION TO SLEEVES PER ND1002019.
13	MARK IDENTIFICATION BANDS WITH DESIGNATIONS AS NOTED, .12 INCH HIGH, COLOR BLACK, PER ND1002019. CENTRALIZE.

SIZE A	CODE IDENT NO. 99974	2900983	
SCALE-NONE	REV LTR ~~B~~ E	SHEET 2 OF 30	

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~C~~

NOTE NUMBER	GENERAL NOTES DESCRIPTION
14	AT ASSEMBLY OF ITEM 5 TO ITEM 20, REMOVE 4 SELF LOCKING NUTS SECURING LOCATING PINS TO ITEM 5 AND DISCARD. ATTACH ITEM 5 TO ITEM 20 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE A	CODE IDENT NO. 99974	2900983	
SCALE-NONE	REV LTR ~~C~~ E	SHEET 3 OF 30	

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~D~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900983-001	WIRE ND1002161 TYPE 1 CLASS 4 WHT JKT 22AWG WHT 364 FT TOTAL LENGTH
	2	1	2900983-002	WIRE ND1002181 TYPE 1 CLASS 1 24 AWG WHT. 45.5 FT TOTAL LENGTH
	3	1	2900983-003	ZIPPER TUBING PER ND1002155 TYPE 1 GRY 1.5 DIA 4 FT TOTAL LENGTH
4	4	91	1016369-421	CONTACT, SOCKET
	5	1	2901434-011	CONNECTOR, PLUG ELECTRICAL
4	6	1	1897345-001	CONNECTOR, RECEPTACLE ELECTRICAL
4	7	X	1897190-001	CONTACT,PIN (FURNISHED WITH ITEM 6)
4	8	91	1010763-002	SOLDER SLEEVE
4	9	182	1010490-232	INSULATION SLEEVING SHRINK FIT.
4	10	12	1016006-002	SPLICE REDUCER
4	11	12	1010490-258	INSULATION SLEEVING SHRINK FIT.
	12		1015902-003	DELETED
	13	1	2900983-004	WIRE ND1002181 TYPE 1 CLASS 1 20AWG WHT 3.5 FT TOTAL LENGTH
	14	1	2900983-005	WIRE ND1002181 TYPE 1 CLASS 1 16AWG WHT 2 FT TOTAL LENGTH
4	15	3	1016128-021	BAND IDENTIFICATION
4	16	1	1010933-105	CLAMP, STRAIN RELIEF

SIZE A	CODE IDENT NO. 99974	2900983	
SCALE-NONE	REV LTR ~~D~~ E	SHEET 4 OF 30	

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~C~~

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	17	AR	MIL-I-631	FILLER TAPE, TYPE F, FORM T(BLACK) GRADE A, CLASS 1, .62 INCH WIDE, .020 INCH THICK.
	18	AR	MIL-T-7138	LACING TAPE, TYPE P, CLASS 2, BLACK.
	19		1010490-166	DELETED
4	20	1	1897391	CLAMP, CABLE DUAL ENTRY
	21		MS35333-70	DELETED
	22		AN960C4	DELETED
4	23	1	1016369-721	CONTACT, SOCKET

SIZE A	CODE IDENT NO. 99974	2900983	
SCALE-NONE	REV LTR ~~C~~ E	SHEET 5 OF 30	

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				2.25 6.25	2.00 6.00				6,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1					.25 .25	NO NO			
A	1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A	2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	2B	2		E1-B SHLD A2					.25 .25	NO NO			
A	2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A	3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	3B	2		E1-B SHLD A3					.25 .25	NO NO			
A	3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A	4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	4B	2		E1-B SHLD A4					.25 .25	NO NO			
A	4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR ~~B~~ E	SHEET 6 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	5B	2		E1-B SHLD A5					.25 .25	NO NO			
A	5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A	6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	6B	2		E1-B SHLD A6					.25 .25	NO NO			
A	6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A	7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	7B	2		E1-B SHLD A7					.25 .25	NO NO			
A	7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A	8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A	8B	2		E1-B SHLD A8					.25 .25	NO NO			
A	8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR ~~B~~ E	SHEET 7 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	9B	2		E1-B SHLD A9					.25 .25	NO NO			
A	9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A	10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	10B	2		E1-B SHLD A10					.25 .25	NO NO			
A	10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A	11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	11B	2		E2-B SHLD A11					.25 .25	NO NO			
A	11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A	12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	12B	2		E2-B SHLD A12					.25 .25	NO NO			
A	12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR ~~B~~ E	SHEET 8 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E ~~B~~

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	13B	2		E2-B SHLD A13					.25 .25	NO NO			
A	13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A	14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	14B	2		E2-B SHLD A14					.25 .25	NO NO			
A	14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A	15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	15B	2		E2-B SHLD A15					.25 .25	NO NO			
A	15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A	16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A	16B	2		E2-B SHLD A16					.25 .25	NO NO			
A	16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR ~~B~~ E	SHEET 9 OF 30

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900983
SCALE-NONE
REV LTR E
SHEET 10 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900983
SCALE-NONE
REV LTR E
SHEET 11 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900983
SCALE-NONE
REV LTR E
SHEET 12 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE A
CODE IDENT NO. 99974
2900983
SCALE-NONE
REV LTR E
SHEET 13 OF 3

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-E6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 14 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 15 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 16 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 17 OF 30

MIL 2084 9-6

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 18 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 19 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 20 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E7-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E7-B SHLD A62					.25 .25	NO NO			
A 62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E7-B SHLD A63					.25 .25	NO NO			
A 63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E7-B SHLD A64					.25 .25	NO NO			
A 64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 21 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 22 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 23 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 24 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.00				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 25 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 26 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 86B	2		E10-B SHLD A86					.25 .25	NO NO			
A 86W			P1-86 P2-N2					.15 .19	NO NO		7 4	
A 87	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 87B	2		E10-B SHLD A87					.25 .25	NO NO			
A 87W			P1-87 P2-N3					.15 .19	NO NO		7 4	
A 88	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 88B	2		E10-B SHLD A88					.25 .25	NO NO			
A 88W			P1-88 P2-N4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 27 OF 30

MIL 2084 9-65

CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 89B	2		E10-B SHLD A89					.25 .25	NO NO			
A 89W			P1-89 P2-N5					.15 .19	NO NO		7 4	
A 90	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 90B	2		E10-B SHLD A90					.25 .25	NO NO			
A 90W			P1-90 P2-N6					.15 .19	NO NO		7 4	
A 91	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 91B	2		E10-B SHLD A91					.25 .25	NO NO			
A 91W			P1-91 P2-N7					.15 .19	NO NO		7 4	
A 92	13		E1-BB E11-B					.25 .25	NO NO			
A 93	13		E2-BB E11-B					.25 .25	NO NO			
A 94	13		E3-BB E11-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 28 OF 30

MIL 2084 9-65

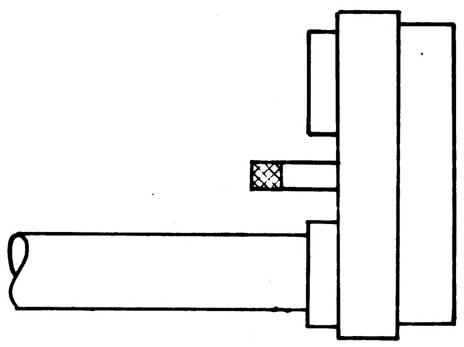
CABLE ASSEMBLY 504 2900983 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E4-BB E11-B					.25 .25	NO NO			
A 96	13		E5-BB E11-B					.25 .25	NO NO			
A 97	13		E6-BB E12-B					.25 .25	NO NO			
A 98	13		E7-BB E12-B					.25 .25	NO NO			
A 99	13		E8-BB E12-B					.25 .25	NO NO			
A 100	13		E9-BB E12-B					.25 .25	NO NO			
A 101	13		E10-BB E12-B					.25 .25	NO NO			
A 102	13		E11-BB E12-B					.25 .25	NO NO			
A 103	14		E12-BB P2-X6					.25 .19	NO NO		 23	

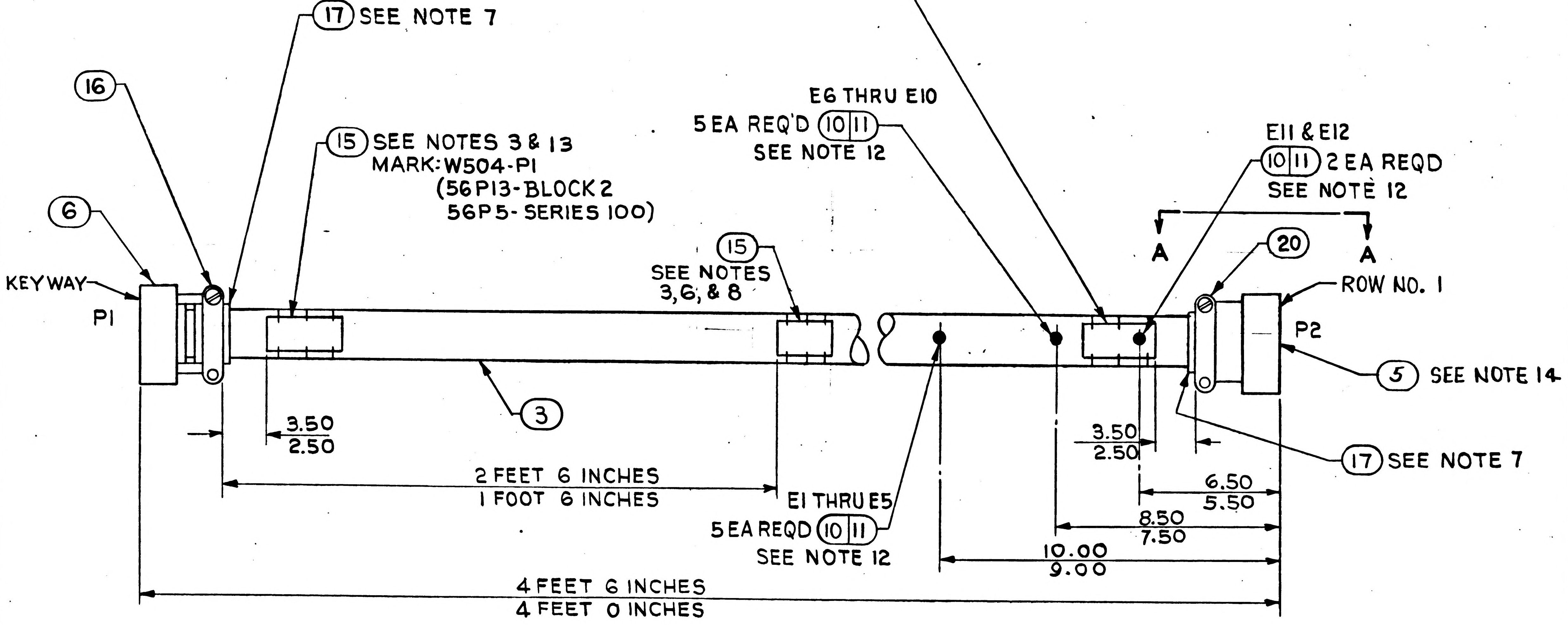
SIZE	CODE IDENT NO.	
A	99974	2900983
SCALE-NONE	REV LTR E	SHEET 29 OF 30

MIL 2084 9-65

ZONE	LTR	DESCRIPTION	DATE	APPROVED
REVISIONS TDRR 28600				
		SEE SHEET 1 FOR REV. RECORD CHG. NO.		



PARTIAL VIEW A-A


(17) SEE NOTE 7
(16)
(6)
KEYWAY
P1
(15) SEE NOTES 3 & 13
MARK: W504-P1
(56P13-BLOCK 2
56P5-SERIES 100)
(15)
SEE NOTES
3, 6, & 8
E6 THRU E10
5 EA REQ'D (10)(11)
SEE NOTE 12
(15) SEE NOTES 3 & 13
MARK: W504-P2
(BB-J1/J3)
E11 & E12
(10)(11) 2 EA REQD
SEE NOTE 12
A
A
(20)
ROW NO. 1
P2
(5) SEE NOTE 14
(17) SEE NOTE 7
(3)
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E1 THRU E5
5 EA REQD (10)(11)
SEE NOTE 12
3.50
2.50
6.50
5.50
8.50
7.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DO NOT SCALE THIS DRAWING	DRAWN Janowiak DATE 10 DEC 65 CHECKED 10 DEC 65 APPROVAL Gedeman 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W504		
MATERIAL	NASA APPROVAL	SIZE C	CODE IDENT NO. 99974	2900983
APPROVAL	MIT APPROVAL 5 10 66	SCALE NONE		SHEET 30 OF 30

APPLICATION	
NEXT ASSY	USED ON
2901074-011	2901074-011

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REPLACES REV(+) WITH CHANGE PER MXC 208483	24 JAN 66	RLP MEM
B	REVISED PER MXC 209308	7 MAR 66	J.H.P. J.E.G.
C	REVISED PER MXC 209956	28-MAR-66	B. JAC
D	REVISED PER MXC211603	22-APR-66	B. JAC
E	INITIAL RELEASE CLASS A PER TDRR 28600	3-MAY-66	B. EF

REV		E	E	E	E	E	E	E	E	E	E	E								
SHEET		20	21	22	23	24	25	26	27	28	29	30								
REV STATUS OF SHEETS	REV	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN Janowiak DATE 10 DEC 65
CHECKED 13 DEC 65
APPROVAL 13 Dec 65
APPROVAL Gelman 5/3/66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W505

NASA APPROVAL
MIT APPROVAL 5-10-66

CODE IDENT NO.	SIZE		REV
99974	A	2900984	E

CONTRACT NAS 9-497

SCALE —

SHEET 1 OF 30

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 1B	2		E1-B SHLD A1					.25 .25	NO NO			
A 1W			P1-1 P2-A3					.15 .19	NO NO		7 4	
A 2	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 2B	2		E1-B SHLD A2					.25 .25	NO NO			
A 2W			P1-2 P2-A4					.15 .19	NO NO		7 4	
A 3	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 3B	2		E1-B SHLD A3					.25 .25	NO NO			
A 3W			P1-3 P2-A5					.15 .19	NO NO		7 4	
A 4	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 4B	2		E1-B SHLD A4					.25 .25	NO NO			
A 4W			P1-4 P2-A6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 6 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 5	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 5B	2		E1-B SHLD A5					.25 .25	NO NO			
A 5W			P1-5 P2-B1					.15 .19	NO NO		7 4	
A 6	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 6B	2		E1-B SHLD A6					.25 .25	NO NO			
A 6W			P1-6 P2-B2					.15 .19	NO NO		7 4	
A 7	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 7B	2		E1-B SHLD A7					.25 .25	NO NO			
A 7W			P1-7 P2-B3					.15 .19	NO NO		7 4	
A 8	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 8B	2		E1-B SHLD A8					.25 .25	NO NO			
A 8W			P1-8 P2-B4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 7 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 9	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 9B	2		E1-B SHLD A9					.25 .25	NO NO			
A 9W			P1-9 P2-B5					.15 .19	NO NO		7 4	
A 10	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 10B	2		E1-B SHLD A10					.25 .25	NO NO			
A 10W			P1-10 P2-B6					.15 .19	NO NO		7 4	
A 11	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 11B	2		E2-B SHLD A11					.25 .25	NO NO			
A 11W			P1-11 P2-B7					.15 .19	NO NO		7 4	
A 12	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 12B	2		E2-B SHLD A12					.25 .25	NO NO			
A 12W			P1-12 P2-B8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 8 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 13B	2		E2-B SHLD A13					.25 .25	NO NO			
A 13W			P1-13 P2-C1					.15 .19	NO NO		7 4	
A 14	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 14B	2		E2-B SHLD A14					.25 .25	NO NO			
A 14W			P1-14 P2-C2					.15 .19	NO NO		7 4	
A 15	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 15B	2		E2-B SHLD A15					.25 .25	NO NO			
A 15W			P1-15 P2-C3					.15 .19	NO NO		7 4	
A 16	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 16B	2		E2-B SHLD A16					.25 .25	NO NO			
A 16W			P1-16 P2-C4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 9 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		E2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-17 P2-C5					.15 .19	NO NO		7 4	
A 18	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25				
A 18W			P1-18 P2-C6					.15 .19			7 4	
A 19	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-19 P2-C7					.15 .19	NO NO		7 4	
A 20	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-20 P2-C8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 10 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E3-B SHLD A21					.25 .25	NO NO			
A 21W			P1-21 P2-D1					.15 .19	NO NO		7 4	
A 22	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E3-B SHLD A22					.25 .25	NO NO			
A 22W			P1-22 P2-D2					.15 .19	NO NO		7 4	
A 23	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E3-B SHLD A23					.25 .25	NO NO			
A 23W			P1-23 P2-D3					.15 .19	NO NO		7 4	
A 24	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E3-B SHLD A24					.25 .25	NO NO			
A 24W			P1-24 P2-D4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 11 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-25 P2-D5					.15 .19	NO NO		7 4	
A 26	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-26 P2-D6					.15 .19	NO NO		7 4	
A 27	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-27 P2-D7					.15 .19	NO NO		7 4	
A 28	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-28 P2-D8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 12 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-29 P2-E1					.15 .19	NO NO		7 4	
A 30	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-30 P2-E2					.15 .19	NO NO		7 4	
A 31	1				3.75 3.75	3.50 3.50				B,7 A,6A		
A 31B	2		E4-B SHLD A31					.25 .25	NO NO			
A 31W			P1-31 P2-E3					.15 .19	NO NO		7 4	
A 32	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E4-B SHLD A32					.25 .25	NO NO			
A 32W			P1-32 P2-E4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 13 OF 30

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		F4-B SHLD A33					.25 .25	NO NO			
A 33W			P1-33 P2-E5					.15 .19	NO NO		7 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E4-B SHLD A34					.25 .25	NO NO			
A 34W			P1-34 P2-F6					.15 .19	NO NO		7 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E4-B SHLD A35					.25 .25	NO NO			
A 35W			P1-35 P2-E7					.15 .19	NO NO		7 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E4-B SHLD A36					.25 .25	NO NO			
A 36W			P1-36 P2-E8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 14 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-37 P2-F1					.15 .19	NO NO		7 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-38 P2-F2					.15 .19	NO NO		7 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-39 P2-F3					.15 .19	NO NO		7 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		F4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-40 P2-F4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 15 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E5-B SHLD A41					.25 .25	NO NO			
A 41W			P1-41 P2-F5					.15 .19	NO NO		7 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E5-B SHLD A42					.25 .25	NO NO			
A 42W			P1-42 P2-F6					.15 .19	NO NO		7 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E5-B SHLD A43					.25 .25	NO NO			
A 43W			P1-43 P2-F7					.15 .19	NO NO		7 4	
A 44	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 44B	2		E5-B SHLD A44					.25 .25	NO NO			
A 44W			P1-44 P2-F8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 16 OF 30

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E5-B SHLD A45					.25 .25	NO NO			
A 45W			P1-45 P2-G1					.15 .19	NO NO		7 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E5-B SHLD A46					.25 .25	NO NO			
A 46W			P1-46 P2-G2					.15 .19	NO NO		7 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E5-B SHLD A47					.25 .25	NO NO			
A 47W			P1-47 P2-G3					.15 .19	NO NO		7 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E5-B SHLD A48					.25 .25	NO NO			
A 48W			P1-48 P2-G4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 17 OF 30

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MAT. ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 65B	2		E7-B SHLD A65					.25 .25	NO NO			
A 65W			P1-65 P2-J5					.15 .19	NO NO		7 4	
A 66	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 66B	2		E7-B SHLD A66					.25 .25	NO NO			
A 66W			P1-66 P2-J6					.15 .19	NO NO		7 4	
A 67	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 67B	2		E7-B SHLD A67					.25 .25	NO NO			
A 67W			P1-67 P2-J7					.15 .19	NO NO		7 4	
A 68	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 68B	2		E7-B SHLD A68					.25 .25	NO NO			
A 68W			P1-68 P2-J8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 22 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				4.75 4.75	4.00 4.00				B,7 A,6A	9 8, 9	
A 69B	2		E7-B SHLD A69					.25 .25	NO NO			
A 69W			P1-69 P2-K1					.15 .19	NO NO		7 4	
A 70	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E8-B SHLD A70					.25 .25	NO NO			
A 70W			P1-70 P2-K2					.15 .19	NO NO		7 4	
A 71	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E8-B SHLD A71					.25 .25	NO NO			
A 71W			P1-71 P2-K3					.15 .19	NO NO		7 4	
A 72	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E8-B SHLD A72					.25 .25	NO NO			
A 72W			P1-72 P2-K6					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 23 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				2.25 6.25	2.00 6.00				B,7 A,6A	9 8, 9	
A 73B	2		E8-B SHLD A73					.25 .25	NO NO			
A 73W			P1-73 P2-K7					.15 .19	NO NO		7 4	
A 74	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E8-B SHLD A74					.25 .25	NO NO			
A 74W			P1-74 P2-K8					.15 .19	NO NO		7 4	
A 75	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E8-B SHLD A75					.25 .25	NO NO			
A 75W			P1-75 P2-L1					.15 .19	NO NO		7 4	
A 76	1				2.75 6.75	2.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E8-B SHLD A76					.25 .25	NO NO			
A 76W			P1-76 P2-L2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 24 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				2.75 6.75	2.00 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E8-B SHLD A77					.25 .25	NO NO			
A 77W			P1-77 P2-L7					.15 .19	NO NO		7 4	
A 78	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 78B	2		E9-B SHLD A78					.25 .25	NO NO			
A 78W			P1-78 P2-L8					.15 .19	NO NO		7 4	
A 79	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 79B	2		E9-B SHLD A79					.25 .25	NO NO			
A 79W			P1-79 P2-M1					.15 .19	NO NO		7 4	
A 80	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 80B	2		E9-B SHLD A80					.25 .25	NO NO			
A 80W			P1-80 P2-M2					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 25 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-49 P2-G5					.15 .19	NO NO		7 4	
A 50	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-50 P2-G6					.15 .19	NO NO		7 4	
A 51	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 51B	2		E6-B SHLD A51					.25 .25	NO NO			
A 51W			P1-51 P2-G7					.15 .19	NO NO		7 4	
A 52	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 52B	2		E6-B SHLD A52					.25 .25	NO NO			
A 52W			P1-52 P2-G8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E★	SHEET 18 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 ★E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 53B	2		E6-B SHLD A53					.25 .25	NO NO			
A 53W			P1-53 P2-H1					.15 .19	NO NO		7 4	
A 54	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 54B	2		E6-B SHLD A54					.25 .25	NO NO			
A 54W			P1-54 P2-H2					.15 .19	NO NO		7 4	
A 55	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 55B	2		E6-B SHLD A55					.25 .25	NO NO			
A 55W			P1-55 P2-H3					.15 .19	NO NO		7 4	
A 56	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 56B	2		E6-B SHLD A56					.25 .25	NO NO			
A 56W			P1-56 P2-H4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR ★E	SHEET 19 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 ★E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 57B	2		E6-B SHLD A57					.25 .25	NO NO			
A 57W			P1-57 P2-H5					.15 .19	NO NO		7 4	
A 58	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 58B	2		E6-B SHLD A58					.25 .25	NO NO			
A 58W			P1-58 P2-H6					.15 .19	NO NO		7 4	
A 59	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 59B	2		E6-B SHLD A59					.25 .25	NO NO			
A 59W			P1-59 P2-H7					.15 .19	NO NO		7 4	
A 60	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 60B	2		E6-B SHLD A60					.25 .25	NO NO			
A 60W			P1-60 P2-H8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR ★E	SHEET 20 OF 30

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 ★E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 61B	2		E7-B SHLD A61					.25 .25	NO NO			
A 61W			P1-61 P2-J1					.15 .19	NO NO		7 4	
A 62	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 62B	2		E7-B SHLD A62					.25 .25	NO NO			
A 62W			P1-62 P2-J2					.15 .19	NO NO		7 4	
A 63	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 63B	2		E7-B SHLD A63					.25 .25	NO NO			
A 63W			P1-63 P2-J3					.15 .19	NO NO		7 4	
A 64	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 64B	2		E7-B SHLD A64					.25 .25	NO NO			
A 64W			P1-64 P2-J4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR ★E	SHEET 21 OF 3

MIL 2084 9-65

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 81	1				3.25 3.25	3.00 3.00				B,7 A,6A	9 8, 9	
A 81B	2		E9-B SHLD A81					.25 .25	NO NO			
A 81W			P1-81 P2-M3					.15 .19	NO NO		7 4	
A 82	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 82B	2		E9-B SHLD A82					.25 .25	NO NO			
A 82W			P1-82 P2-M6					.15 .19	NO NO		7 4	
A 83	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 83B	2		E9-B SHLD A83					.25 .25	NO NO			
A 83W			P1-83 P2-M7					.15 .19	NO NO		7 4	
A 84	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 84B	2		E9-B SHLD A84					.25 .25	NO NO			
A 84W			P1-84 P2-M8					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 26 OF 30

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1				3.75 3.75	3.50 3.50				B,7 A,6A	9 8, 9	
A 85B	2		E9-B SHLD A85					.25 .25	NO NO			
A 85W			P1-85 P2-N1					.15 .19	NO NO		7 4	
A 86	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 86B	2		E10-B SHLD A86					.25 .25	NO NO			
A 86W			P1-86 P2-N2					.15 .19	NO NO		7 4	
A 87	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 87B	2		E10-B SHLD A87					.25 .25	NO NO			
A 87W			P1-87 P2-N3					.15 .19	NO NO		7 4	
A 88	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 88B	2		E10-B SHLD A88					.25 .25	NO NO			
A 88W			P1-88 P2-N4					.15 .19	NO NO		7 4	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 27 OF 30

CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 89	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 89B	2		E10-B SHLD A89					.25 .25	NO NO			
A 89W			P1-89 P2-N5					.15 .19	NO NO		7 4	
A 90	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 90B	2		E10-B SHLD A90					.25 .25	NO NO			
A 90W			P1-90 P2-N6					.15 .19	NO NO		7 4	
A 91	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 91B	2		E10-B SHLD A91					.25 .25	NO NO			
A 91W			P1-91 P2-N7					.15 .19	NO NO		7 4	
A 92	13		E1-BB E11-B					.25 .25	NO NO			
A 93	13		E2-BB E11-B					.25 .25	NO NO			
A 94	13		E3-BB E11-B					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 28 OF 30

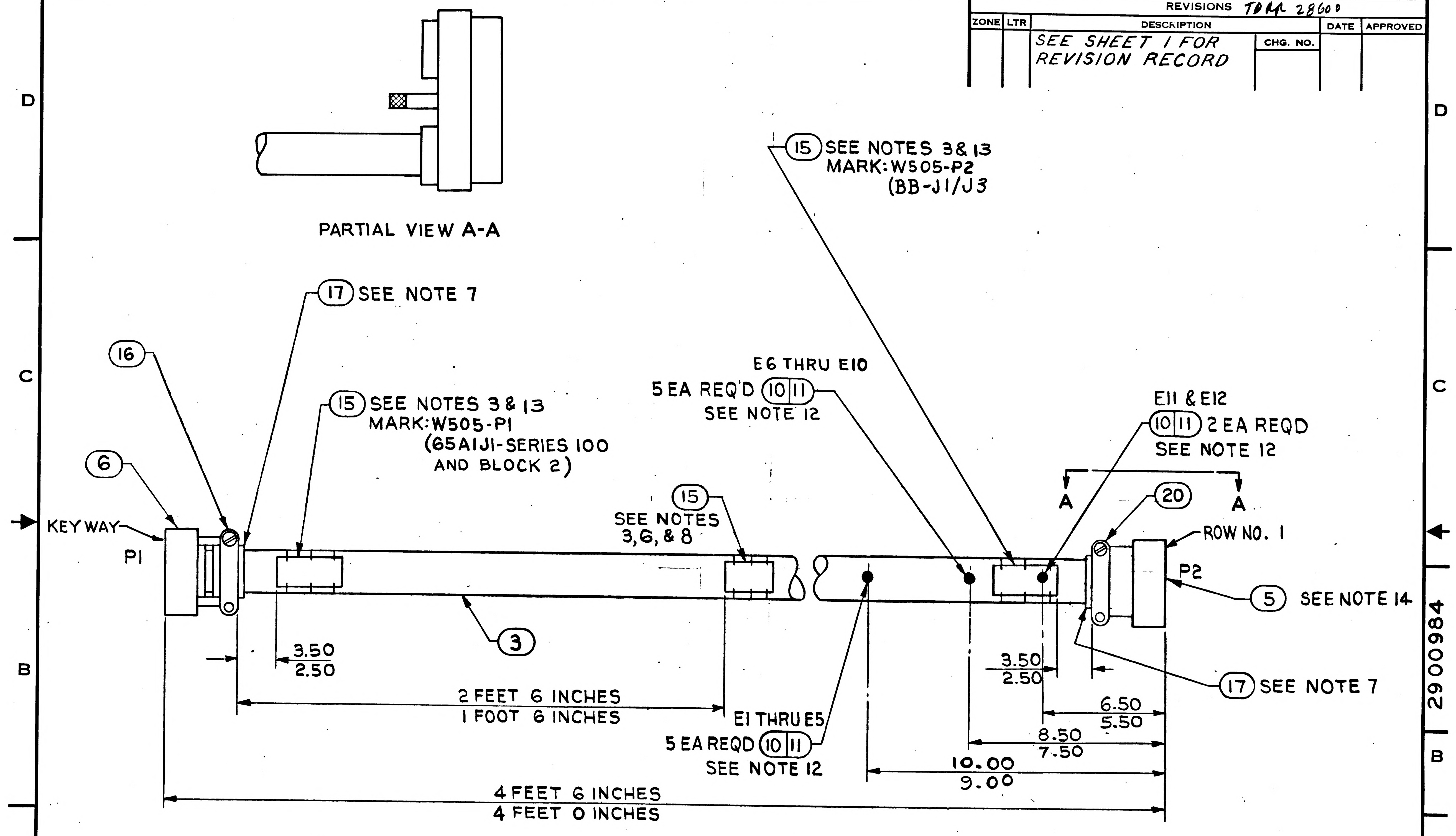
CABLE ASSEMBLY W505 2900984 E

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 95	13		E4-BB E11-B					.25 .25	NO NO			
A 96	13		E5-BB E11-B					.25 .25	NO NO			
A 97	13		E6-BB E12-B					.25 .25	NO NO			
A 98	13		E7-BB E12-B					.25 .25	NO NO			
A 99	13		E8-BB E12-B					.25 .25	NO NO			
A 100	13		E9-BB E12-B					.25 .25	NO NO			
A 101	13		E10-BB E12-B					.25 .25	NO NO			
A 102	13		E11-BB E12-B					.25 .25	NO NO			
A 103	14		E12-BB P2-X6					.25 .19	NO NO		 23	

SIZE	CODE IDENT NO.	
A	99974	2900984
SCALE-NONE	REV LTR E	SHEET 29 OF 30

2900984

REVISIONS TDRR 28600					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
		SEE SHEET 1 FOR REVISION RECORD			



PARTIAL VIEW A-A
17 SEE NOTE 7
16
6
KEYWAY
P1
15 SEE NOTES 3 & 13
MARK: W505-P1
(65A1J1-SERIES 100 AND BLOCK 2)
3
15 SEE NOTES 3,6, & 8
E6 THRU E10
5 EA REQ'D 10 11
SEE NOTE 12
15 SEE NOTES 3& 13
MARK: W505-P2
(BB-J1/J3
E11 & E12
10 11 2 EA REQD
SEE NOTE 12
A
A
20
ROW NO. 1
P2
5 SEE NOTE 14
17 SEE NOTE 7
3.50
2.50
2 FEET 6 INCHES
1 FOOT 6 INCHES
E1 THRU E5
5 EA REQD 10 11
SEE NOTE 12
3.50
2.50
6.50
5.50
8.50
7.50
10.00
9.00
4 FEET 6 INCHES
4 FEET 0 INCHES

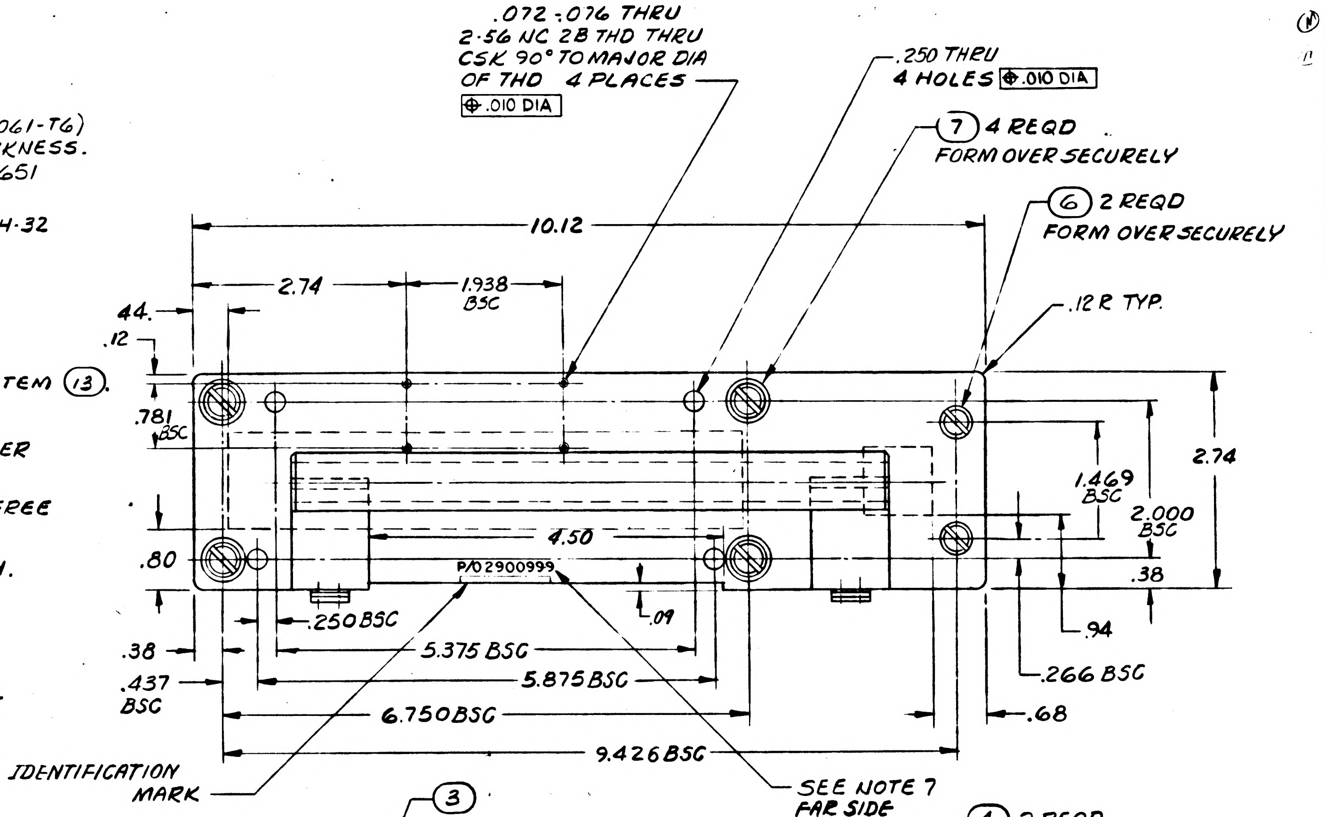
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON 2 PLACE DECIMALS + − 3 PLACE DECIMALS + − ANGLES + −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP. MILWAUKEE WIS.	MANNED SPACECRAFT CENTER HOUSTON, TEXAS		
DO NOT SCALE THIS DRAWING	DRAWN Janowiak DATE 10 DEC 65 CHECKED Stayler 13 DEC 65 APPROVAL 5/3/66 CONTRACT NAS 9-497	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, W505		
MATERIAL	NASA APPROVAL	SIZE C	CODE IDENT NO. 99974	2900984
APPROVAL	MIT APPROVAL 5/10/66	SCALE NONE		SHEET 30 OF 30

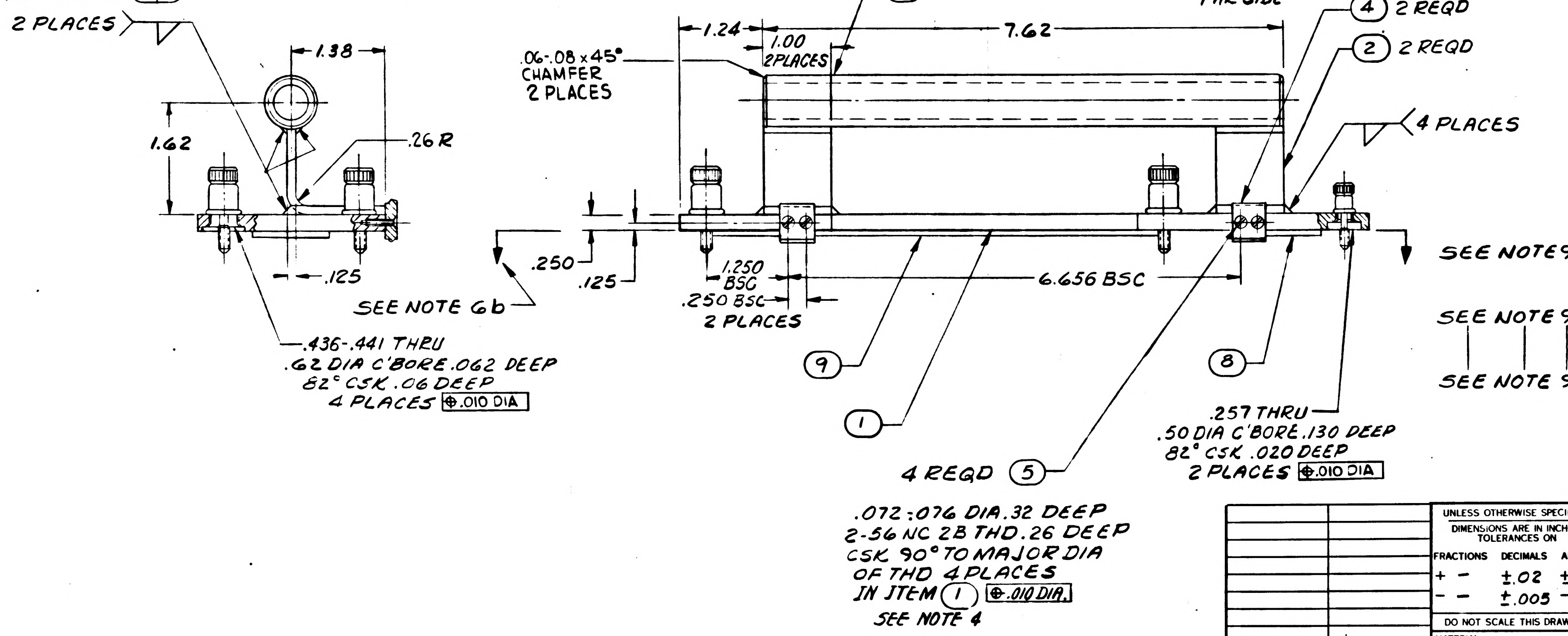
MIL-1068D D

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	
B		REVISED PER TDRR 27654		6 APR 66	B. RWH
C		REVISED PER TDRR 29231		8 JUN 66	JIMP

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   ITEM (3) - AL ALY PER WW-T-700/6 (ES2106 6061-T6) DRAWN TUBING 3/4 O.D. x .083 WALL THICKNESS.
   ITEM (1) - AL ALY PER QQ-A-250/11 TEMPER T651 (ES2106 6061-T651)
   ITEM (2) - AL ALY PER QQ-A-250/8 TEMPER H-32 (ES-2105 5052-H32).
   ITEMS (8|9) MAKE FROM 1010897-001.
3. MUST BE FREE FROM BURRS & SHARP EDGES.
4. SECURE ITEM (5) WITH ITEM (12).
5. BOND ITEMS (8) AND (9) TO ITEM (1) USING ITEM (13).
6. FINISH:
   APPLY ITEM (11) AND TWO COATS OF ITEM (10) PER MIL-F-14072 USING SCHEDULE P513.
   ITEMS (4|5|6|7) & AREA INDICATED TO BE FREE OF FINISH, ITEMS (10) & (11).
7. MARK PER ND 1002019, COLOR BLACK, .12 HIGH.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
9. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
10. WELD PER MIL-W-8604.
11. ITEMS (8|9) TO BE FREE FROM TEARS.


.072-.076 THRU
2-56 NC 2B THD THRU
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
⊕ .010 DIA
.250 THRU
4 HOLES ⊕ .010 DIA
(7) 4 REQD
FORM OVER SECURELY
(6) 2 REQD
FORM OVER SECURELY
10.12
2.74
1.938 BSC
.12 R TYP.
44.
.12
.781 BSC
.80
4.50
P/N 2900999
1.469 BSC
2.000 BSC
2.74
.38
.09
.250 BSC
.94
5.375 BSC
.38
.437 BSC
5.875 BSC
.266 BSC
6.750 BSC
.68
9.426 BSC
IDENTIFICATION MARK
SEE NOTE 7 FAR SIDE


2 PLACES
1.38
1.62
.26R
.125
SEE NOTE 6b
.436-.441 THRU
.62 DIA C'BORE .062 DEEP
82° CSK .06 DEEP
4 PLACES ⊕ .010 DIA
(3)
1.24
1.00 2 PLACES
7.62
.06-.08 x 45° CHAMFER 2 PLACES
(4) 2 REQD
(2) 2 REQD
4 PLACES
.250
.125
1.250 BSC
.250 BSC
2 PLACES
6.656 BSC
(9)
(1)
(8)
.257 THRU
.50 DIA C'BORE .130 DEEP
82° CSK .020 DEEP
2 PLACES ⊕ .010 DIA
4 REQD (5)
.072-.076 DIA .32 DEEP
2-56 NC 2B THD .26 DEEP
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
IN ITEM (1) ⊕ .010 DIA.
SEE NOTE 4
SEE NOTE 9
SEE NOTE 9
SEE NOTE 9

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
13	AR	ND 1002151	ADHESIVE
12	AR	MIL-S-22473 GRADE H	SEALING COMPOUND (ES2544-5)
11	AR	MIL-P-8585	PRIMER (ES 2589)
10	AR	1016194	ENAMEL, CASHMERE BLUE
9	1	2900995-005	PAD 1.12 X 6.56 X .080 THK
8	1	2900995-004	PAD .88 X .88 X .080 THK
7	4	1897397-002	FASTENER, SPRING EJECTED
6	2	1897405-024	SCREW, PANEL FASTENER, CAPTIVE
5	4	1010630-4	SCREW, FLAT HD 100°
4	2	1897281-001	CATCH, CLAMPING (KEEPER ONLY)
3	1	2900995-003	HANDLE
2	2	2900995-002	STRAP
1	1	2900995-001	PLATE

LIST OF PARTS AND MATERIALS

2900999-011	1900030
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ -	±.02	±2°
- -	±.005	- -

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Fride 24 JAN 66
CHECKED 4 FEB 66
APPROVAL Goldman 3/15/66
APPROVAL
NASA APPROVAL A. C. McFadden
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HANDLE, LEFT HAND,
CDU HANDLING FIXTURE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900995
SCALE 1:1
SHEET 1 OF 1

4 FEB 66

MIL 1077-A

NOTES:

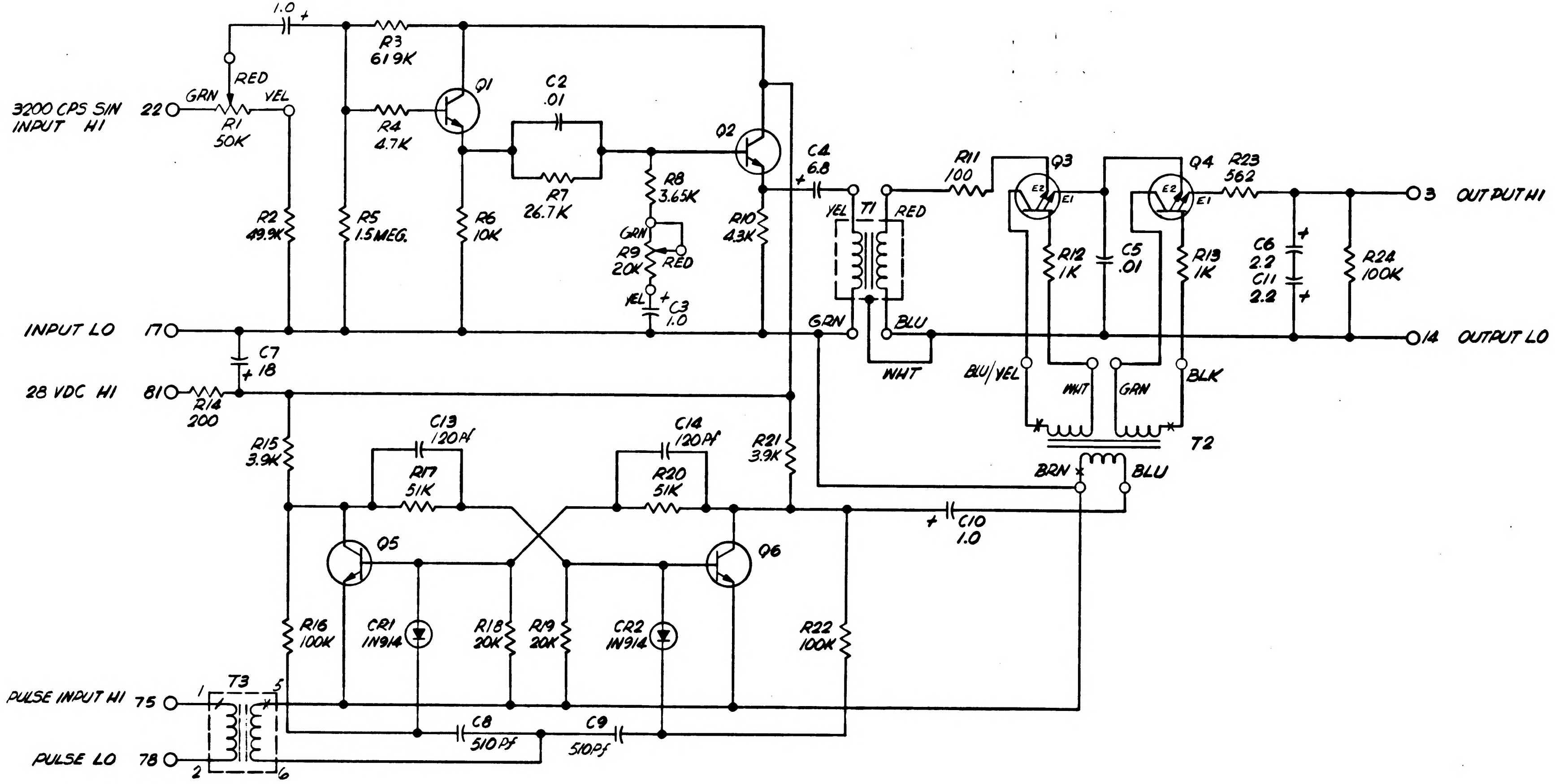
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. PART NUMBER FOR REFERENCE ONLY.
3. UNLESS OTHERWISE SPECIFIED. VALUES ARE IN OHMS AND MICRO FARADS.
4. DRAWING FOR REFERENCE. 2901063-011 ASSEMBLY DRAWING

REF DES	PART NUMBER	DESCRIPTION	SCHEMATIC DIAGRAM OR VALUE, TOL, RATING
C1	CS13BG105K (1896954-158)	CAPACITOR MIL-C-26655/20	1.0 10%
C2	CTM103VAK (1896957-003)	MIL-C-27287/1	.01
C3	CS13BG105K (1896954-158)	MIL-C-26655/20	1.0
C4	CS13BF685K (1896954-141)	MIL-C-26655/20	6.8
C5	CTM103VAK (1896957-003)	MIL-C-27287/1	.01
C6	CS13BG225K (1896954-164)	MIL-C-26655/20	2.2
C7	CS13BG186K (1896954-149)	MIL-C-26655/20	18
C8	CM15F511J03 (1896969-140)	MIL-C-5/1	510P
C9	CM15F511J03 (1896969-140)	MIL-C-5/1	510P
C10	CS13BG105K (1896954-158)	MIL-C-26655/20	1.0
C11	CS13BG225K (1896954-164)	MIL-C-26655/20	2.2 10%
C13	CM15F121J03 (1896969-125)	MIL-C-5/1	120
C14	CM15F121J03 (1896969-125)	CAPACITOR MIL-C-5/1	120
CR1	1N914 (1896966-044)	SEMI CONDUCTOR DEVICE MIL-S-19500/116A	
CR2	1N914 (1896966-044)	SEMI CONDUCTOR DEVICE MIL-S-19500/116A	
Q1	1015935-001	TRANSISTOR	
Q2	1015928-001		
Q3	1897392		
Q4	1897392		
Q5	1015928-001		
Q6	1015928-001	TRANSISTOR	

REF DES	PART NUMBER	DESCRIPTION	SCHEMATIC DIAGRAM OR VALUE, TOL, RATING
R1	1015989-009	RESISTOR	50K 5%
R2	RN60D4992F	MIL-R-10509/1E	499K 1%
R3	RN60D6193F	MIL-R-10509/1E	619K 1%
R4	RC07GF472J (1896985-065)	MIL-R-11/8	4.7K 5%
R5	RC07GF155J (1896985-125)		1.5MEG 5%
R6	RC07GF103J (1896985-080)	MIL-R-11/8	10K 5%
R7	RN60D2672F	MIL-R-10509/1E	26.7K 1%
R8	RN60D3651F	MIL-R-10509/1E	3.65K 1%
R9	RT12C2L203		20K 5%
R10	RC07GF432J (1896985-064)	MIL-R-11/8	4.3K 5%
R11	RN60D1000F	MIL-R-10509/1E	100 1%
R12	RC07GF102J (1896985-049)	MIL-R-11/8	1K 5%
R13	RC07GF102J (1896985-049)		1K
R14	RC07GF201J (1896985-032)		200
R15	RC07GF392J (1896985-063)		3.9K
R16	RC07GF104J (1896985-097)		100K
R17	RC07GF513J (1896985-032)		51K
R18	RC07GF203J (1896985-080)		20K
R19	RC07GF203J (1896985-080)		20K
R20	RC07GF513J (1896985-032)		51K
R21	RC07GF392J (1896985-063)		3.9K
R22	RC07GF104J (1896985-097)	MIL-R-11/8	100K 5%
R23	RN60D5620F	MIL-R-10509/1E	562 1%
R24	RN60D1003F	RESISTOR MIL-R-10509/1E	100K 1%
T1	1897388-035	TRANSFORMER	
T2	1897388-038	TRANSFORMER	
T3	1016010	TRANSFORMER	

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 210279		18 MAR 66	OKD CP
	B	REVISED PER MXC 210545		28 [illegible] 66	[illegible]
	C	INITIAL RELEASE CLASS A PER TDRR 28598		2 MAY 66	OKD EF


C1
1.0
R3
619K
Q1
C2
.01
Q2
C4
6.8
3200 CPS SIN INPUT HI
22
GRN
RED
YEL
R1
50K
R4
4.7K
R7
26.7K
R8
3.65K
GRN
R9
20K
RED
YEL
C3
1.0
R2
49.9K
R5
1.5MEG.
R6
10K
R10
4.3K
YEL
T1
RED
GRN
BLU
WHT
R11
100
Q3
Q4
E2
E1
R23
562
3
OUTPUT HI
R12
1K
C5
.01
R13
1K
C6
2.2
C11
2.2
R24
100K
14
OUTPUT LO
INPUT LO
17
C7
18
28 VDC HI
81
R14
200
BLU/YEL
WHT
GRN
BLK
T2
BRN
BLU
R15
3.9K
C13
120Pf
R17
51K
C14
120Pf
R20
51K
R21
3.9K
C10
1.0
Q5
Q6
R16
100K
CR1
1N914
R18
20K
R19
20K
CR2
1N914
R22
100K
PULSE INPUT HI
75
T3
1
5
PULSE LO
78
2
6
C8
510Pf
C9
510Pf

2901063-011	2901143-011
2901063-011	690088-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS
DRAWN [illegible] DATE 22 FEB 66
CHECKED [illegible] 24 FEB 66
APPROVAL [illegible] 5-4-66
CONTRACT NAS9-497
NASA APPROVAL [illegible]
MIT APPROVAL [illegible]

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SCHEMATIC DIAGRAM
ELECTRICAL -
PHASE DIFFERENCE CIRCUIT

SIZE E
CODE IDENT NO. 99974
2900988
SCALE NONE
SHEET 1 OF 1

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2901044-011	2900895-011	A	REVISED PER D.O. 61878	5 APR 66	FRW/AU
		B	REVISED PER MXC 211529	21 APR 66	J.H.P./JRS
		C	INITIAL RELEASE CLASS A PER TDRR 21674	5 MAY 66	GM/EF

Charleston
22 MAR 66

REV	C	C	C																			
SHEET	21	22	23																			
REV STATUS OF SHEETS REV			C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
SHEET			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN D. J. Fluder DATE 11-MAR-66
CHECKED C WILSON 22 MAR 66
APPROVAL R Pierini 22 MAR 66
APPROVAL

NASA APPROVAL
J. McKeeney 7/6/66
MIT APPROVAL McKinley 5-11-66

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED "LEM" PSAAM

CODE IDENT NO. 99974
SIZE A
2900990
REV C

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 23

NOTE GENERAL NOTES

NUMBER DESCRIPTION

1 NOTE ONE IS NOT APPLICABLE

2 INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

3 LACE HARNESS USING ITEM 15.

4 FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.

5 A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.

6 GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING.
UNLESS OTHERWISE SPECIFIED
HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.

7 VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.

8 APPLY LEAD IDENTIFICATIONS PER ND1002019.

9 APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS. COLOR BLACK.

10 SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 23 AND 24.

11 ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES EXCEPT ITEMS 7 THRU 10.

12 IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.

13 SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.

14 ASSEMBLE PER ND1002032.

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR C	SHEET 2 OF 23

NOTE GENERAL NOTES

NUMBER DESCRIPTION

15 SERIALIZE PER ND1002023.

16 ITEM 13 SUPPLIED WITH ITEMS 3 THRU 6, ITEM 12 SUPPLIED WITH 7 AND 8, ITEM 11 SUPPLIED WITH ITEM 9.

17 FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET OR CABLE CLAMP USING ITEM 16 TO SECURE WIRE BUNDLE TO STRAIN RELIEF CLAMP OR CABLE CLAMP.

18 CONTINUITY TEST PER CONDUCTOR CHART. RESISTANCE SHALL BE LESS THAN 2 OHMS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR C	SHEET 3 OF 23

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900990-001	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. TOTAL LENGTH
	2	1	2900990-002	WIRE ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. TOTAL LENGTH
	3	1	MS3126F24-61PZ	(1897047-614) CONNECTOR, ELECTRICAL
	4	2	MS3126F24-61PW	(1897047-611) CONNECTOR, ELECTRICAL
	5	2	MS3126F24-61P	(1897047-610) CONNECTOR, ELECTRICAL
	6	1	MS3126F24-61PX	(1897047-612) CONNECTOR, ELECTRICAL
	7	1	1897249-001	CONNECTOR, ELECTRICAL
	8	1	1897249-009	CONNECTOR, ELECTRICAL
	9	1	1897250-001	CONNECTOR, ELECTRICAL
	10	1	MS3106R14S-7P	(1896918-007) CONNECTOR, ELECTRICAL
	11		1897190- 1	CONTACT PIN (SUPPLIED WITH ITEM 7 AND 8)
	12		1897190- 2	CONTACT SOCKET (SUPPLIED WITH ITEM 9)
	13		MS3192A-20A	(1896855-020) CONTACT ELEC PIN CRIMP (SUPPLIED WITH ITEM 3 THRU 6)
7	14	10	1016128-011	BAND IDENTIFICATION
7	15	AR	1012507-004	TAPE LACING AND TYING
	16	AR	MIL-I-631	TYPE F FORM T (BLACK), GRADE A CLASS 1, .62 WIDE, .02 THICK

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR C	SHEET 4 OF 23

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	18	1	1010933-103	CLAMP CABLE ELEC
7	19	6	1016006-001	SPLICE REDUCER
7	20	1	1016006-003	SPLICE REDUCER
7	21	6	1010490-228	INSULATION SLEEVING
7	22	1	1010490-256	INSULATION SLEEVING
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR C	SHEET 5 OF 23

CABLE LEM PSAAM 2900990 C ~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		E1 P1-26					.37 .15	NO NO		 12	
A 2	1		E3 P244-12					.37 .15	NO NO		 11	
A 3	1		E3 P244-13					.37 .15	NO NO		 11	
A 4	1		E3 P244-32					.37 .15	NO NO		 11	
A 5	1		E3 P244-33					.37 .15	NO NO		 11	
A 6	1		E3 P244-4					.37 .15	NO NO		 11	
A 7	1		E3 P244-5					.37 .15	NO NO		 11	
A 8	1		E3 P244-8					.37 .15	NO NO		 11	
A 9	1		E3 P244-9					.37 .15	NO NO		 11	
A 10	1		E4 E3					.37 .37	NO NO			
A 11	1		P244-28 E3					.15 .37	NO NO		11	
A 12	1		P244-29 E3					.15 .37	NO NO		11	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR ~~A~~ ~~B~~ C	SHEET 6 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P244-24 E3					.15 .37	NO NO		11	
A 14	1		P244-25 E3					.15 .37	NO NO		11	
A 15	1		E2 E4					.37 .37	NO NO			
A 16	1		E5 P1-52					.37 .15	NO NO		 12	
A 17	1		P2-U* P232-C					.22 .25	NO YES		13	
A 18	1		P2-M* P243-35					.22 .15	NO NO		13 12	
A 19	1		P2-N* P243-18					.22 .15	NO NO		13 12	
A 20	1		P2-V P4-T*					.22 .22	NO NO		13 13	
A 21	1		P2-W P4-W*					.22 .22	NO NO		13 13	
A 22	1		E6 P1-33					.37 .15	NO NO		 12	
A 23	1		E6 P1-32					.37 .15	NO NO		 12	
A 24	1		E6 P1-78					.37 .15	NO NO		 12	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR ~~B~~ C	SHEET 7 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C ~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		E7 P1-16					.37 .15	NO NO		 12	
A 26	1		E7 P1-54					.37 .15	NO NO		 12	
A 27	1		E7 P1-79					.37 .15	NO NO		 12	
A 28	1		P2-BB P1-66					.22 .15	NO NO		13 12	
A 29	1		P2-Y E5					.22 .37	NO NO		13	
A 30	1		P2-F* P244-66					.22 .15	NO NO		13 11	
A 31	1		P2-G* P244-67					.22 .15	NO NO		13 11	
A 32	1		P2-H* P1-62					.22 .15	NO NO		13 12	
A 33	1		P3-A P244-68					.22 .15	NO NO		13 11	
A 34	1		P3-B P244-69					.22 .15	NO NO		13 11	
A 35	1		P3-C P1-63					.22 .15	NO NO		13 12	
A 36	1		P3-F* P243-42					.22 .15	NO NO		13 12	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR ~~A~~ ~~B~~ C	SHEET 8 OF 23

L 2084 9-65

CABLE LEM PSAAM 2900990 C ~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P3-G* P243-24					.22 .15	NO NO		13 12	
A 38	1		P3-H* P1-72					.22 .15	NO NO		13 12	
A 39	1		P3-I* P1-73					.22 .15	NO NO		13 12	
A 40	1		P3-J* P244-46					.22 .15	NO NO		13 11	
A 41	1		P3-K* P244-47					.22 .15	NO NO		13 11	
A 42	1		P3-M* P1-51					.22 .15	NO NO		13 12	
A 43	1		P3-N* E5					.22 .37	NO NO		13	
A 44	1		P3-P* P1-6					.22 .15	NO NO		13 12	
A 45	2		P3-Q* P2-N*					.22 .22	NO NO		 13	
A 46	1		P4-L P243-31					.22 .15	NO NO		13 12	
A 47	1		P4-M P243-30					.22 .15	NO NO		13 12	
A 48	1		P4-R P243-5					.22 .15	NO NO		13 12	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR ~~A~~ ~~B~~ C	SHEET 9 OF 23

CABLE LEM PSAAM 2900990 C~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P4-S P243-6					.22 .15	NO NO		13 12	
A 50	1		P4-T P1-77					.22 .15	NO NO		13 12	
A 51	1		P4-V P243-15					.22 .15	NO NO		13 12	
A 52	1		P4-W P243-32					.22 .15	NO NO		13 12	
A 53	1		P4-X P1-53					.22 .15	NO NO		13 12	
A 54	1		P4-Z P243-33					.22 .15	NO NO		13 12	
A 55	1		P4-A* P243-16					.22 .15	NO NO		13 12	
A 56	1		P4-B* P1-76					.22 .15	NO NO		13 12	
A 57	1		P4-C* E5					.22 .37	NO NO		13	
A 58	1		P4-D* P243-17					.22 .15	NO NO		13 12	
A 59	1		P4-E* P243-34					.22 .15	NO NO		13 12	
A 60	1		P4-F* P1-36					.22 .15	NO NO		13 12	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ~~B~~ C | SHEET 10 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		P4-G* P3-Q*					.22 .22	NO NO		13 13	
A 62	1		P4-H* P243-20					.22 .15	NO NO		13 12	
A 63	1		P4-I* P243-8					.22 .15	NO NO		13 12	
A 64	1		P4-J* P1-18					.22 .15	NO NO		13 12	
A 65	1		P4-M* P243-39					.22 .15	NO NO		13 12	
A 66	1		P4-N* P243-22					.22 .15	NO NO		13 12	
A 67	1		P6-A P244-36					.22 .15	NO NO		13 11	
A 68	1		P6-B P244-37					.22 .15	NO NO		13 11	
A 69	1		P6-C P1-61					.22 .15	NO NO		13 12	
A 70	1		P6-D P1-55					.22 .15	NO NO		13 12	
A 71	1		P6-E P244-40					.22 .15	NO NO		13 11	
A 72	1		P6-F P244-41					.22 .15	NO NO		13 11	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ~~B~~ C | SHEET 11 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1		P6-G P1-56					.22 .15	NO NO		13 12	
A 74	1		P6-J P244-44					.22 .15	NO NO		13 11	
A 75	1		P6-K P244-45					.22 .15	NO NO		13 11	
A 76	1		P6-L P1-80					.22 .15	NO NO		13 12	
A 77	1		P6-N P244-48					.22 .15	NO NO		13 11	
A 78	1		P6-P P244-49					.22 .15	NO NO		13 11	
A 79	1		P6-R P1-2					.22 .15	NO NO		13 12	
A 80	1		P6-S E2					.22 .37	NO NO		13	
A 81	1		P6-T P244-50					.22 .15	NO NO		13 11	
A 82	1		P6-U P244-51					.22 .15	NO NO		13 11	
A 83	1		P6-V P1-7					.22 .15	NO NO		13 12	
A 84	1		P6-X P244-52					.22 .15	NO NO		13 11	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ~~B~~ C | SHEET 12 OF 23

2084 9-65

CABLE LEM PSAAM 2900990 C~~A~~ ~~B~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1		P6-Y P244-53					.22 .15	NO NO		13 11	
A 86	1		P6-Z P1-19					.22 .15	NO NO		13 12	
A 87	1		P6-B* P244-54					.22 .15	NO NO		13 11	
A 88	1		P6-C* P244-55					.22 .15	NO NO		13 11	
A 89	1		P6-D* P1-20					.22 .15	NO NO		13 12	
A 90	1		P6-F* P244-56					.22 .15	NO NO		13 11	
A 91	1		P6-G* P244-57					.22 .15	NO NO		13 11	
A 92	1		P6-H* P1-39					.22 .15	NO NO		13 12	
A 93	1		P6-J* P244-20					.22 .15	NO NO		13 11	
A 94	1		P6-K* P244-21					.22 .15	NO NO		13 11	
A 95	1		P6-M* P1-27					.22 .15	NO NO		13 12	
A 96	1		P6-N* E1					.22 .37	NO NO		13	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ~~B~~ C | SHEET 13 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 CK #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1		P6-P* P244-58					.22 .15	NO NO		13 11	
A 98	1		P6-Q* P244-59					.22 .15	NO NO		13 11	
A 99	1		P6-R* P1-38					.22 .15	NO NO		13 12	
A 100	1		P6-S* E2					.22 .37	NO NO		13	
A 101	1		P6-X* P244-62					.22 .15	NO NO		13 11	
A 102	1		P6-Y* P244-63					.22 .15	NO NO		13 11	
A 103	1		P6-Z* P1-37					.22 .15	NO NO		13 12	
A 104	1		P6-AA E2					.22 .37	NO NO		13	
A 105	1		P6-BB P244-22					.22 .15	NO NO		13 11	
A 106	1		P6-CC P244-23					.22 .15	NO NO		13 11	
A 107	1		P6-DD P1-47					.22 .15	NO NO		13 12	
A 108	1		P6-EE E1					.22 .37	NO NO		13	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR A # C	SHEET 14 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 CK #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1		P6-FF P244-64					.22 .15	NO NO		13 11	
A 110	1		P6-GG P244-65					.22 .15	NO NO		13 11	
A 111	1		P6-HH P1-61					.22 .15	NO NO		13 12	
A 112	1		P6-JJ E2					.22 .37	NO NO		13	
A 113	1		P7-A P244-60					.22 .15	NO NO		13 11	
A 114	1		P7-B P244-61					.22 .15	NO NO		13 11	
A 115	1		P7-C P1-74					.22 .15	NO NO		13 12	
A 116	1		P7-D P1-75					.22 .15	NO NO		13 12	
A 117	1		P7-E P244-70					.22 .15	NO NO		13 11	
A 118	1		P7-F P244-71					.22 .15	NO NO		13 11	
A 119	1		P7-G P1-82					.22 .15	NO NO		13 12	
A 120	1		P7-H P1-57					.22 .15	NO NO		13 12	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR A # C	SHEET 15 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 CK #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	1		P7-J P244-72					.22 .15	NO NO		13 11	
A 122	1		P7-K P244-73					.22 .15	NO NO		13 11	
A 123	1		P7-L P1-58					.22 .15	NO NO		13 12	
A 124	1		P7-M P1-34					.22 .15	NO NO		13 12	
A 125	1		P7-N P244-74					.22 .15	NO NO		13 11	
A 126	1		P7-P P244-75					.22 .15	NO NO		13 11	
A 127	1		P7-R P1-35					.22 .15	NO NO		13 12	
A 128	1		P7-S P1-17					.22 .15	NO NO		13 12	
A 129	1		P7-T P243-43					.22 .15	NO NO		13 12	
A 130	1		P7-U P243-44					.22 .15	NO NO		13 12	
A 131	1		P7-V P1-70					.22 .15	NO NO		13 12	
A 132	1		P7-W P1-71					.22 .15	NO NO		13 12	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR A # C	SHEET 16 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 CK #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	1		P7-X P244-18					.22 .15	NO NO		13 11	
A 134	1		P7-Y P244-19					.22 .15	NO NO		13 11	
A 135	1		P7-Z P1-43					.22 .15	NO NO		13 12	
A 136	1		P7-A* E4					.22 .37	NO NO		13	
A 137	1		P7-B* P244-1					.22 .15	NO NO		13 11	
A 138	1		P7-C* P244-2					.22 .15	NO NO		13 11	
A 139	1		P7-D* P1-24					.22 .15	NO NO		13 12	
A 140	1		P7-E* E4					.22 .37	NO NO		13	
A 141	1		P7-F* P244-79					.22 .15	NO NO		13 11	
A 142	1		P7-G* P244-78					.22 .15	NO NO		13 11	
A 143	1		P7-H* P1-25					.22 .15	NO NO		13 12	
A 144	1		P7-I* E1					.22 .37	NO NO		13	

SIZE	CODE IDENT NO.	
A	99973	2900990
SCALE-NONE	REV LTR A # C	SHEET 17 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	1		P7-J* P244-38					.22 .15	NO NO		13 11	
A 146	1		P7-K* P244-39					.22 .15	NO NO		13 11	
A 147	1		P7-M* P1-31					.22 .15	NO NO		13 12	
A 148	1		P7-N* E5					.22 .37	NO NO		13	
A 149	2		P7-T* P2-V					.22 .22	NO NO		13 13	
A 150	2		P7-U* P2-W					.22 .22	NO NO		13 13	
A 151	1		P7-V* E6					.22 .37	NO NO		13	
A 152	1		P7-W* E7					.22 .37	NO NO		13	
A 153	1		P7-BB P244-42					.22 .15	NO NO		13 11	
A 154	1		P7-CC P244-43					.22 .15	NO NO		13 11	
A 155	1		P7-DD P1-30					.22 .15	NO NO		13 12	
A 156	1		P7-EE E5					.22 .37	NO NO		13	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR C | SHEET 18 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	1		P9-A P244-34					.22 .15	NO NO		13 11	
A 158	1		P9-B P244-35					.22 .15	NO NO		13 11	
A 159	1		P9-C P1-60					.22 .15	NO NO		13 12	
A 160	1		P9-D E2					.22 .37	NO NO		13	
A 161	1		P9-E P244-14					.22 .15	NO NO		13 11	
A 162	1		P9-F P244-15					.22 .15	NO NO		13 11	
A 163	1		P9-G P1-21					.22 .15	NO NO		13 12	
A 164	1		P9-H P1-8					.22 .15	NO NO		13 12	
A 165	1		P9-N P244-26					.22 .15	NO NO		13 11	
A 166	1		P9-P P244-27					.22 .15	NO NO		13 11	
A 167	1		P9-R P1-42					.22 .15	NO NO		13 12	
A 168	1		P9-S P1-23					.22 .15	NO NO		13 12	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR C | SHEET 19 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	1		P9-T P244-30					.22 .15	NO NO		13 11	
A 170	1		P9-U P244-31					.22 .15	NO NO		13 11	
A 171	1		P9-V P1-41					.22 .15	NO NO		13 12	
A 172	1		P9-W E4					.22 .37	NO NO		13	
A 173	1		P9-X P244-6					.22 .15	NO NO		13 11	
A 174	1		P9-Y P244-7					.22 .15	NO NO		13 11	
A 175	1		P9-Z P1-83					.22 .15	NO NO		13 11	
A 176	1		P9-B* P244-10					.22 .15	NO NO		13 11	
A 177	1		P9-C* P244-11					.22 .15	NO NO		13 11	
A 178	1		P9-D* P1-84					.22 .15	NO NO		13 12	
A 179	1		P9-P* P244-76					.22 .15	NO NO		13 11	
A 180	1		P9-Q* P244-77					.22 .15	NO NO		13 11	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR C | SHEET 20 OF 23

2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	1		P9-R* P1-45					.22 .15	NO NO		13 12	
A 182	1		P9-S* P1-69					.22 .15	NO NO		13 12	
A 183	1		P9-GG P232-8					.22 .25	NO YES		13	
A 184	1		P9-FF P232-A					.22 .25	NO YES		13	
A 185	1		P9-HH P243-13					.22 .15	NO NO		13 12	
A 186	1		P9-JJ P243-28					.22 .15	NO NO		13 12	
A 187	1		P9-MM P243-29					.22 .15	NO NO		13 12	
A 188	1		P9-NN P243-14					.22 .15	NO NO		13 12	
A 189	2		P1-59 P4-K*					.15 .22	NO NO		12 13	
A 190	1		P4-V* P1-65					.22 .15	NO NO		13 12	
A 191	2		P4-U* P1-64					.22 .15	NO NO		13 12	
A 192	1		P3-T* P2-X					.22 .22	NO NO		13 13	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR C | SHEET 21 OF 23

MIL 2084 9-65

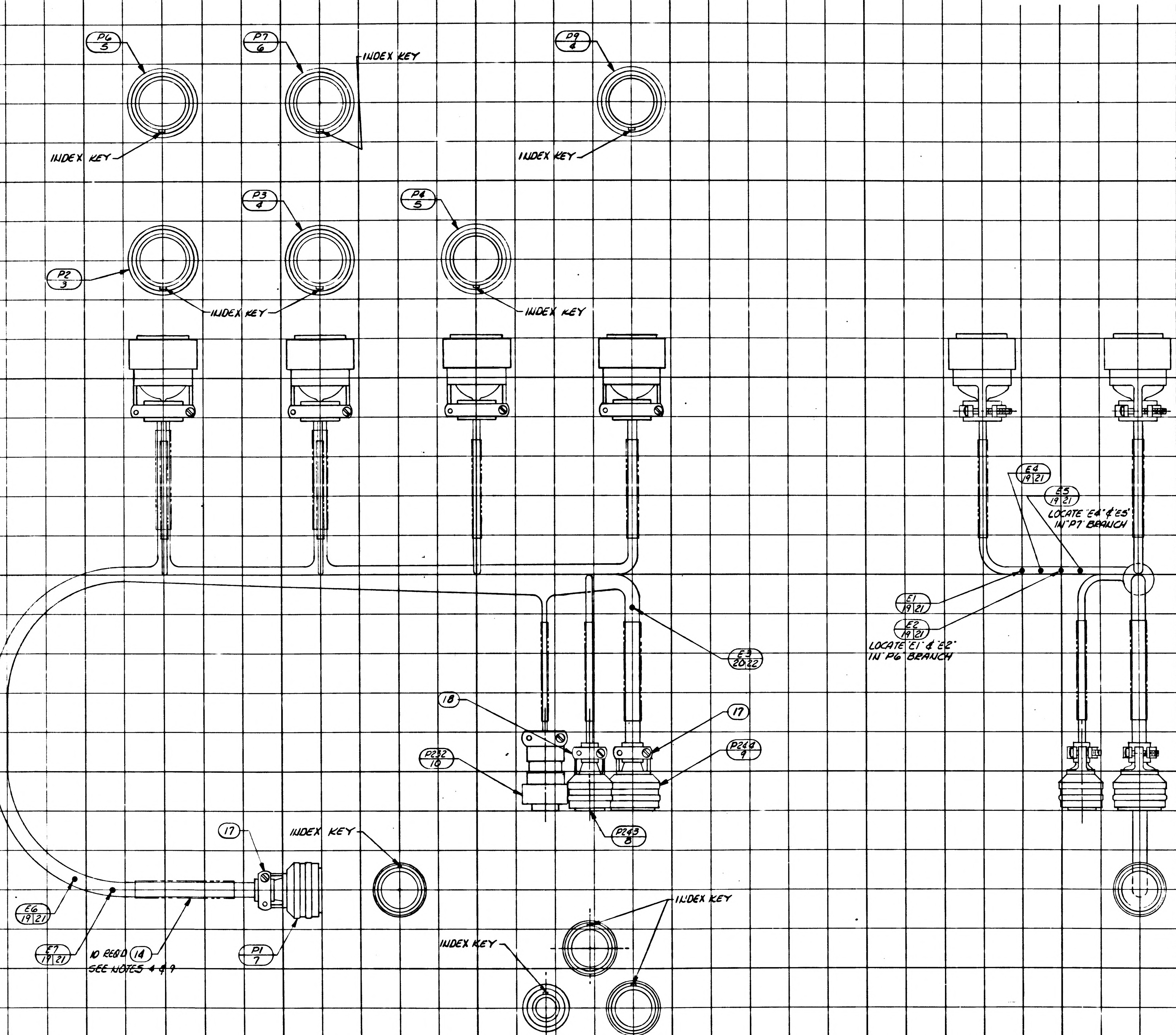
CABLE LEM PSAAM 2900990 C ~~K~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	1		P3-U* E5					.22 .37	NO NO		13	

SIZE A	CODE IDENT NO. 99973	2900990	
SCALE-NONE	REV LTR ~~K~~ C		SHEET 22 OF 23

REVISIONS				
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

SEE SHEET 1 FOR REVISION RECORD



P6 5
P7 6
INDEX KEY
P9 4
INDEX KEY
INDEX KEY
P3 4
P4 5
P2 3
INDEX KEY
INDEX KEY
E4 19 21
E5 19 21
LOCATE "E4" & "E5" IN "P7" BRANCH
E1 19 21
E2 19 21
LOCATE "E1" & "E2" IN "P6" BRANCH
E3 20 22
18
17
P232 10
P244 9
P243 8
17
INDEX KEY
INDEX KEY
INDEX KEY
E6 19 21
E7 19 21
10 REQ'D 14
SEE NOTES 4 & 9
P1 7

TABLE I

PLUG	TERMINATION MARKING
P1	P1 (J1-PSAAM)
P2	P2 (J2-IN/OUT PANEL)
P3	P3 (J3-IN/OUT PANEL)
P4	P4 (J4-IN/OUT PANEL)
P6	P6 (J6-IN/OUT PANEL)
P7	P7 (J7-IN/OUT PANEL)
P9	P9 (J9-IN/OUT PANEL)
P232	P232 (J232-PSAAM)
P243	P243 (J243-PSAAM)
P244	P244 (J244-PSAAM

2901044-011	2900893-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± ___ 3 PLACE DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL SEE SHEET 3
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 11-MAR-66
CHECKED C.W. 23 MAR 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL,
BRANCHED "LEM" PSAAM

SIZE E
CODE IDENT NO. 99974
2900990
SCALE 1:1
SHEET 23 OF 23

MX-109891

2900990

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	SYM	DESCRIPTION	DATE	APPROVAL
2901044-011	2900895-011	A	REVISED PER D.O. 61878	5 APR 66	FRW / AU
		B	REVISED PER MXC 211529	21 APR 66	J.H.F. / JRS
		C	INITIAL RELEASE CLASS A PER TDRR 21674	3-MAY-66	GM / EF
		D	REVISED PER TDRR 29983	13-JUL-66	B.

Charleston
22 MAR 66

REV	C	C	C																							
SHEET	21	22	23																							
REV STATUS OF SHEETS	REV						D	C	C	D	D	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
	SHEET						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DRAWN A. J. Fluder DATE 11-MAR-66
CHECKED C. WILSON 22 MAR 66
APPROVAL K. Pierini 22 MAR 66
APPROVAL

CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED "LEM" PSAAM

NASA APPROVAL
MIT APPROVAL 5-1-66

CODE IDENT NO. 99974
SIZE A
2900990
REV D

CONTRACT NAS9-497
SCALE —
SHEET 1 OF 23

NOTE NUMBER	GENERAL NOTES DESCRIPTION
1	NOTE ONE IS NOT APPLICABLE
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	LACE HARNESS USING ITEM 15.
4	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 15.
5	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
6	GRID MODULE IS ONE INCH BASIC FOR DIMENSIONING. UNLESS OTHERWISE SPECIFIED HARNESS DRAWING IS SHOWN AT TRUE POSITION. CENTERS OF HARNESS FEATURES SHALL BE WITHIN +.25 OR -.25 AND ENDS OF LEADS AND ACCESSORIES +.12 OR -.12 INCH TOLERANCE OF THE TRUE POSITIONS SHOWN. ALL TOLERANCES APPLY REGARDLESS OF FEATURE SIZE.
7	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
8	APPLY LEAD IDENTIFICATIONS PER ND1002019.
9	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND1002019 USING .12 INCH HIGH CHARACTERS. COLOR BLACK.
10	SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM 25 OR ITEMS 23 AND 24.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES EXCEPT ITEMS 7 THRU 10.
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SPIRALLING OF LEAD IDENTIFICATION IS ALLOWED.
14	ASSEMBLE PER ND1002032.

NOTE NUMBER	GENERAL NOTES DESCRIPTION
15	SERIALIZE PER ND1002023.
16	ITEM 13 SUPPLIED WITH ITEMS 3 THRU 6, ITEM 12 SUPPLIED WITH 7 AND 8, ITEM 11 SUPPLIED WITH ITEM 9.
17	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET OR CABLE CLAMP USING ITEM 16 TO SECURE WIRE BUNDLE TO STRAIN RELIEF CLAMP OR CABLE CLAMP.
18	CONTINUITY TEST PER CONDUCTOR CHART. RESISTANCE SHALL BE LESS THAN 2 OHMS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2900990-001	WIRE ND1002181, TYPE 1, CLASS 1, 22AWG, WHT. TOTAL LENGTH
	2	1	2900990-002	WIRE ND1002181, TYPE 1, CLASS 1, 24AWG, WHT. TOTAL LENGTH
	3	1	MS3126F24-61PZ	(1897047-614) CONNECTOR, ELECTRICAL
	4	2	MS3126F24-61PW	(1897047-611) CONNECTOR, ELECTRICAL
	5	2	MS3126F24-61P	(1897047-610) CONNECTOR, ELECTRICAL
	6	1	MS3126F24-61PX	(1897047-612) CONNECTOR, ELECTRICAL
	7	1	1897249-001	CONNECTOR, ELECTRICAL
	8	1	1897249-009	CONNECTOR, ELECTRICAL
	9	1	1897250-001	CONNECTOR, ELECTRICAL
	10	1	MS3106R14S-7P	(1896918-007) CONNECTOR, ELECTRICAL
	11		1897190- 1	CONTACT PIN (SUPPLIED WITH ITEM 7 AND 8)
	12		1897190- 2	CONTACT SOCKET (SUPPLIED WITH ITEM 9)
	13		MS3192A-20A	(1896855-020) CONTACT ELEC PIN CRIMP (SUPPLIED WITH ITEM 3 THRU 6)
7	14	10	1016128-011	BAND IDENTIFICATION
7	15	AR	1012507-004	TAPE LACING AND TYING
	16	AR	MIL-I-631	TYPE F FORM T (BLACK), GRADE A CLASS 1, .62 WIDE, .02 THICK

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
7	17	2	1010933-105	CLAMP CABLE ELEC
7	18	1	1010933-103	CLAMP CABLE ELEC
7	19	6	1016006-001	SPLICE REDUCER
7	20	1	1016006-003	SPLICE REDUCER
7	21	6	1010490-228	INSULATION SLEEVING
7	22	1	1010490-256	INSULATION SLEEVING
	23	AR	SN60WS	SOLDER QQ-S-571 (ES2175-1)
	24	AR	MIL-F-14256	TYPE A OR W FLUX (ES2798)
	25	AR	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)

CABLE LEM PSAAM 2900990 C ~~A~~ ≠

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 1	1		E1					.37	NO			
			P1-26					.15	NO		12	
A 2	1		E3					.37	NO			
			P244-12					.15	NO		11	
A 3	1		E3					.37	NO			
			P244-13					.15	NO		11	
A 4	1		E3					.37	NO			
			P244-32					.15	NO		11	
A 5	1		E3					.37	NO			
			P244-33					.15	NO		11	
A 6	1		E3					.37	NO			
			P244-4					.15	NO		11	
A 7	1		E3					.37	NO			
			P244-5					.15	NO		11	
A 8	1		E3					.37	NO			
			P244-8					.15	NO		11	
A 9	1		E3					.37	NO			
			P244-9					.15	NO		11	
A 10	1		E4					.37	NO			
			E3					.37	NO			
A 11	1		P244-28					.15	NO		11	
			E3					.37	NO			
A 12	1		P244-29					.15	NO		11	
			E3					.37	NO			

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ≠ C | SHEET 6 OF 23

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CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 13	1		P244-24					.15	NO		11	
			E3					.37	NO			
A 14	1		P244-25					.15	NO		11	
			E3					.37	NO			
A 15	1		E2					.37	NO			
			E4					.37	NO			
A 16	1		E5					.37	NO			
			P1-52					.15	NO		12	
A 17	1		P2-U*					.22	NO		13	
			P232-C					.25	YES			
A 18	1		P2-M*					.22	NO		13	
			P243-35					.15	NO		12	
A 19	1		P2-N*					.22	NO		13	
			P243-18					.15	NO		12	
A 20	1		P2-V					.22	NO		13	
			P4-T*					.22	NO		13	
A 21	1		P2-W					.22	NO		13	
			P4-W*					.22	NO		13	
A 22	1		E6					.37	NO			
			P1-33					.15	NO		12	
A 23	1		E6					.37	NO			
			P1-32					.15	NO		12	
A 24	1		E6					.37	NO			
			P1-78					.15	NO		12	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ≠ C | SHEET 7 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C ~~A~~ ≠

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1		E7					.37	NO			
			P1-16					.15	NO		12	
A 26	1		E7					.37	NO			
			P1-54					.15	NO		12	
A 27	1		E7					.37	NO			
			P1-79					.15	NO		12	
A 28	1		P2-BB					.22	NO		13	
			P1-66					.15	NO		12	
A 29	1		P2-Y					.22	NO		13	
			E5					.37	NO			
A 30	1		P2-F*					.22	NO		13	
			P244-66					.15	NO		11	
A 31	1		P2-G*					.22	NO		13	
			P244-67					.15	NO		11	
A 32	1		P2-H*					.22	NO		13	
			P1-62					.15	NO		12	
A 33	1		P3-A					.22	NO		13	
			P244-68					.15	NO		11	
A 34	1		P3-B					.22	NO		13	
			P244-69					.15	NO		11	
A 35	1		P3-C					.22	NO		13	
			P1-63					.15	NO		12	
A 36	1		P3-F*					.22	NO		13	
			P243-42					.15	NO		12	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ≠ C | SHEET 8 OF 23

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CABLE LEM PSAAM 2900990 C ~~A~~ ≠

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1		P3-G*					.22	NO		13	
			P243-24					.15	NO		12	
A 38	1		P3-H*					.22	NO		13	
			P1-72					.15	NO		12	
A 39	1		P3-I*					.22	NO		13	
			P1-73					.15	NO		12	
A 40	1		P3-J*					.22	NO		13	
			P244-46					.15	NO		11	
A 41	1		P3-K*					.22	NO		13	
			P244-47					.15	NO		11	
A 42	1		P3-M*					.22	NO		13	
			P1-51					.15	NO		12	
A 43	1		P3-N*					.22	NO		13	
			E5					.37	NO			
A 44	1		P3-P*					.22	NO		13	
			P1-6					.15	NO		12	
A 45	2		P3-Q*					.22	NO			
			P2-N*					.22	NO		13	
A 46	1		P4-L					.22	NO		13	
			P243-31					.15	NO		12	
A 47	1		P4-M					.22	NO		13	
			P243-30					.15	NO		12	
A 48	1		P4-R					.22	NO		13	
			P243-5					.15	NO		12	

SIZE A | CODE IDENT NO. 99973 | 2900990

SCALE-NONE | REV LTR ~~A~~ ≠ C | SHEET 9 OF 23

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CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1		P4-S P243-6					.22 .15	NO NO		13 12	
A 50	1		P4-T P1-77					.22 .15	NO NO		13 12	
A 51	1		P4-V P243-15					.22 .15	NO NO		13 12	
A 52	1		P4-W P243-32					.22 .15	NO NO		13 12	
A 53	1		P4-X P1-53					.22 .15	NO NO		13 12	
A 54	1		P4-Z P243-33					.22 .15	NO NO		13 12	
A 55	1		P4-A* P243-16					.22 .15	NO NO		13 12	
A 56	1		P4-B* P1-76					.22 .15	NO NO		13 12	
A 57	1		P4-C* E5					.22 .37	NO NO		13	
A 58	1		P4-D* P243-17					.22 .15	NO NO		13 12	
A 59	1		P4-E* P243-34					.22 .15	NO NO		13 12	
A 60	1		P4-F* P1-36					.22 .15	NO NO		13 12	

SIZE A	CODE IDENT NO. 99973	2900990	
SCALE-NONE	REV LTR ~~A~~ C	SHEET 10 OF 23	

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CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	2		P4-G* P3-Q*					.22 .22	NO NO		13 13	
A 62	1		P4-H* P243-20					.22 .15	NO NO		13 12	
A 63	1		P4-I* P243-8					.22 .15	NO NO		13 12	
A 64	1		P4-J* P1-18					.22 .15	NO NO		13 12	
A 65	1		P4-M* P243-39					.22 .15	NO NO		13 12	
A 66	1		P4-N* P243-22					.22 .15	NO NO		13 12	
A 67	1		P6-A P244-36					.22 .15	NO NO		13 11	
A 68	1		P6-B P244-37					.22 .15	NO NO		13 11	
A 69	1		P6-C P1-81					.22 .15	NO NO		13 12	
A 70	1		P6-D P1-55					.22 .15	NO NO		13 12	
A 71	1		P6-E P244-40					.22 .15	NO NO		13 11	
A 72	1		P6-F P244-41					.22 .15	NO NO		13 11	

SIZE A	CODE IDENT NO. 99973	2900990	
SCALE-NONE	REV LTR ~~A~~ C	SHEET 11 OF 23	

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CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1		P6-G P1-56					.22 .15	NO NO		13 12	
A 74	1		P6-J P244-44					.22 .15	NO NO		13 11	
A 75	1		P6-K P244-45					.22 .15	NO NO		13 11	
A 76	1		P6-L P1-80					.22 .15	NO NO		13 12	
A 77	1		P6-N P244-48					.22 .15	NO NO		13 11	
A 78	1		P6-P P244-49					.22 .15	NO NO		13 11	
A 79	1		P6-R P1-2					.22 .15	NO NO		13 12	
A 80	1		P6-S E2					.22 .37	NO NO		13	
A 81	1		P6-T P244-50					.22 .15	NO NO		13 11	
A 82	1		P6-U P244-51					.22 .15	NO NO		13 11	
A 83	1		P6-V P1-7					.22 .15	NO NO		13 12	
A 84	1		P6-X P244-52					.22 .15	NO NO		13 11	

SIZE A	CODE IDENT NO. 99973	2900990	
SCALE-NONE	REV LTR ~~A~~ C	SHEET 12 OF 23	

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CABLE LEM PSAAM 2900990 C ~~A~~

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 85	1		P6-Y P244-53					.22 .15	NO NO		13 11	
A 86	1		P6-Z P1-19					.22 .15	NO NO		13 12	
A 87	1		P6-B* P244-54					.22 .15	NO NO		13 11	
A 88	1		P6-C* P244-55					.22 .15	NO NO		13 11	
A 89	1		P6-D* P1-20					.22 .15	NO NO		13 12	
A 90	1		P6-F* P244-56					.22 .15	NO NO		13 11	
A 91	1		P6-G* P244-57					.22 .15	NO NO		13 11	
A 92	1		P6-H* P1-39					.22 .15	NO NO		13 12	
A 93	1		P6-J* P244-20					.22 .15	NO NO		13 11	
A 94	1		P6-K* P244-21					.22 .15	NO NO		13 11	
A 95	1		P6-M* P1-27					.22 .15	NO NO		13 12	
A 96	1		P6-N* E1					.22 .37	NO NO		13	

SIZE A	CODE IDENT NO. 99973	2900990	
SCALE-NONE	REV LTR ~~A~~ C	SHEET 13 OF 23	

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CABLE LEM PSAAM 2900990 CA #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1		P6-P* P244-58					.22 .15	NO NO		13 11	
A 98	1		P6-Q* P244-59					.22 .15	NO NO		13 11	
A 99	1		P6-R* P1-38					.22 .15	NO NO		13 12	
A 100	1		P6-S* E2					.22 .37	NO NO		13	
A 101	1		P6-X* P244-62					.22 .15	NO NO		13 11	
A 102	1		P6-Y* P244-63					.22 .15	NO NO		13 11	
A 103	1		P6-Z* P1-37					.22 .15	NO NO		13 12	
A 104	1		P6-AA E2					.22 .37	NO NO		13	
A 105	1		P6-BB P244-22					.22 .15	NO NO		13 11	
A 106	1		P6-CC P244-23					.22 .15	NO NO		13 11	
A 107	1		P6-DD P1-47					.22 .15	NO NO		13 12	
A 108	1		P6-EE E1					.22 .37	NO NO		13	

SIZE A | CODE IDENT NO. 99973 | 2900990
SCALE-NONE | REV LTR A # C | SHEET 14 OF 23

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CABLE LEM PSAAM 2900990 CA #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1		P6-FF P244-64					.22 .15	NO NO		13 11	
A 110	1		P6-GG P244-65					.22 .15	NO NO		13 11	
A 111	1		P6-HH P1-61					.22 .15	NO NO		13 12	
A 112	1		P6-JJ E2					.22 .37	NO NO		13	
A 113	1		P7-A P244-60					.22 .15	NO NO		13 11	
A 114	1		P7-B P244-61					.22 .15	NO NO		13 11	
A 115	1		P7-C P1-74					.22 .15	NO NO		13 12	
A 116	1		P7-D P1-75					.22 .15	NO NO		13 12	
A 117	1		P7-E P244-70					.22 .15	NO NO		13 11	
A 118	1		P7-F P244-71					.22 .15	NO NO		13 11	
A 119	1		P7-G P1-82					.22 .15	NO NO		13 12	
A 120	1		P7-H P1-57					.22 .15	NO NO		13 12	

SIZE A | CODE IDENT NO. 99973 | 2900990
SCALE-NONE | REV LTR A # C | SHEET 15 OF 23

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CABLE LEM PSAAM 2900990 CA #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	1		P7-J P244-72					.22 .15	NO NO		13 11	
A 122	1		P7-K P244-73					.22 .15	NO NO		13 11	
A 123	1		P7-L P1-58					.22 .15	NO NO		13 12	
A 124	1		P7-M P1-34					.22 .15	NO NO		13 12	
A 125	1		P7-N P244-74					.22 .15	NO NO		13 11	
A 126	1		P7-P P244-75					.22 .15	NO NO		13 11	
A 127	1		P7-R P1-35					.22 .15	NO NO		13 12	
A 128	1		P7-S P1-17					.22 .15	NO NO		13 12	
A 129	1		P7-T P243-43					.22 .15	NO NO		13 12	
A 130	1		P7-U P243-44					.22 .15	NO NO		13 12	
A 131	1		P7-V P1-70					.22 .15	NO NO		13 12	
A 132	1		P7-W P1-71					.22 .15	NO NO		13 12	

SIZE A | CODE IDENT NO. 99973 | 2900990
SCALE-NONE | REV LTR A # C | SHEET 16 OF 23

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CABLE LEM PSAAM 2900990 CA #

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	TERM.JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	1		P7-X P244-18					.22 .15	NO NO		13 11	
A 134	1		P7-Y P244-19					.22 .15	NO NO		13 11	
A 135	1		P7-Z P1-43					.22 .15	NO NO		13 12	
A 136	1		P7-A* E4					.22 .37	NO NO		13	
A 137	1		P7-B* P244-1					.22 .15	NO NO		13 11	
A 138	1		P7-C* P244-2					.22 .15	NO NO		13 11	
A 139	1		P7-D* P1-24					.22 .15	NO NO		13 12	
A 140	1		P7-E* E4					.22 .37	NO NO		13	
A 141	1		P7-F* P244-79					.22 .15	NO NO		13 11	
A 142	1		P7-G* P244-78					.22 .15	NO NO		13 11	
A 143	1		P7-H* P1-25					.22 .15	NO NO		13 12	
A 144	1		P7-I* E1					.22 .37	NO NO		13	

SIZE A | CODE IDENT NO. 99973 | 2900990
SCALE-NONE | REV LTR A # C | SHEET 17 OF 23

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CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	1		P7-J* P244-38					.22 .15	NO NO		13 11	
A 146	1		P7-K* P244-39					.22 .15	NO NO		13 11	
A 147	1		P7-M* P1-31					.22 .15	NO NO		13 12	
A 148	1		P7-N* E5					.22 .37	NO NO		13	
A 149	2		P7-T* P2-V					.22 .22	NO NO		13 13	
A 150	2		P7-U* P2-W					.22 .22	NO NO		13 13	
A 151	1		P7-V* E6					.22 .37	NO NO		13	
A 152	1		P7-W* E7					.22 .37	NO NO		13	
A 153	1		P7-BB P244-42					.22 .15	NO NO		13 11	
A 154	1		P7-CC P244-43					.22 .15	NO NO		13 11	
A 155	1		P7-DD P1-30					.22 .15	NO NO		13 12	
A 156	1		P7-EE E5					.22 .37	NO NO		13	

SIZE	CODE IDENT NO.		
A	99973	2900990	
SCALE-NONE	REV LTR C		SHEET 18 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	1		P9-A P244-34					.22 .15	NO NO		13 11	
A 158	1		P9-B P244-35					.22 .15	NO NO		13 11	
A 159	1		P9-C P1-60					.22 .15	NO NO		13 12	
A 160	1		P9-D E2					.22 .37	NO NO		13	
A 161	1		P9-E P244-14					.22 .15	NO NO		13 11	
A 162	1		P9-F P244-15					.22 .15	NO NO		13 11	
A 163	1		P9-G P1-21					.22 .15	NO NO		13 12	
A 164	1		P9-H P1-8					.22 .15	NO NO		13 12	
A 165	1		P9-N P244-26					.22 .15	NO NO		13 11	
A 166	1		P9-P P244-27					.22 .15	NO NO		13 11	
A 167	1		P9-R P1-42					.22 .15	NO NO		13 12	
A 168	1		P9-S P1-23					.22 .15	NO NO		13 12	

SIZE	CODE IDENT NO.		
A	99973	2900990	
SCALE-NONE	REV LTR C		SHEET 19 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 169	1		P9-T P244-30					.22 .15	NO NO		13 11	
A 170	1		P9-U P244-31					.22 .15	NO NO		13 11	
A 171	1		P9-V P1-41					.22 .15	NO NO		13 12	
A 172	1		P9-W E4					.22 .37	NO NO		13	
A 173	1		P9-X P244-6					.22 .15	NO NO		13 11	
A 174	1		P9-Y P244-7					.22 .15	NO NO		13 11	
A 175	1		P9-Z P1-83					.22 .15	NO NO		13 11	
A 176	1		P9-B* P244-10					.22 .15	NO NO		13 11	
A 177	1		P9-C* P244-11					.22 .15	NO NO		13 11	
A 178	1		P9-D* P1-84					.22 .15	NO NO		13 12	
A 179	1		P9-P* P244-76					.22 .15	NO NO		13 11	
A 180	1		P9-Q* P244-77					.22 .15	NO NO		13 11	

SIZE	CODE IDENT NO.		
A	99973	2900990	
SCALE-NONE	REV LTR C		SHEET 20 OF 23

MIL 2084 9-65

CABLE LEM PSAAM 2900990 C

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 181	1		P9-R* P1-45					.22 .15	NO NO		13 12	
A 182	1		P9-S* P1-69					.22 .15	NO NO		13 12	
A 183	1		P9-GG P232-B					.22 .25	NO YES		13	
A 184	1		P9-FF P232-A					.22 .25	NO YES		13	
A 185	1		P9-HH P243-13					.22 .15	NO NO		13 12	
A 186	1		P9-JJ P243-28					.22 .15	NO NO		13 12	
A 187	1		P9-MM P243-29					.22 .15	NO NO		13 12	
A 188	1		P9-NN P243-14					.22 .15	NO NO		13 12	
A 189	2		P1-59 P4-K*					.15 .22	NO NO		12 13	
A 190	1		P4-V* P1-65					.22 .15	NO NO		13 12	
A 191	2		P4-U* P1-64					.22 .15	NO NO		13 12	
A 192	1		P3-T* P2-X					.22 .22	NO NO		13 13	

SIZE	CODE IDENT NO.		
A	99973	2900990	
SCALE-NONE	REV LTR C		SHEET 21 OF 23

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	1		P3-U*					.22	NO		13	
			E5					.37	NO			

SIZE A	CODE IDENT NO. 99973	2900990
SCALE-NONE	REV LTR C	SHEET 22 OF 23

REVISIONS				2267-
SYM	ZONE	DESCRIPTION	DATE	APPD
		CHG NO		

Ⓜ **SEE SHEET 1 FOR REVISION RECORD**

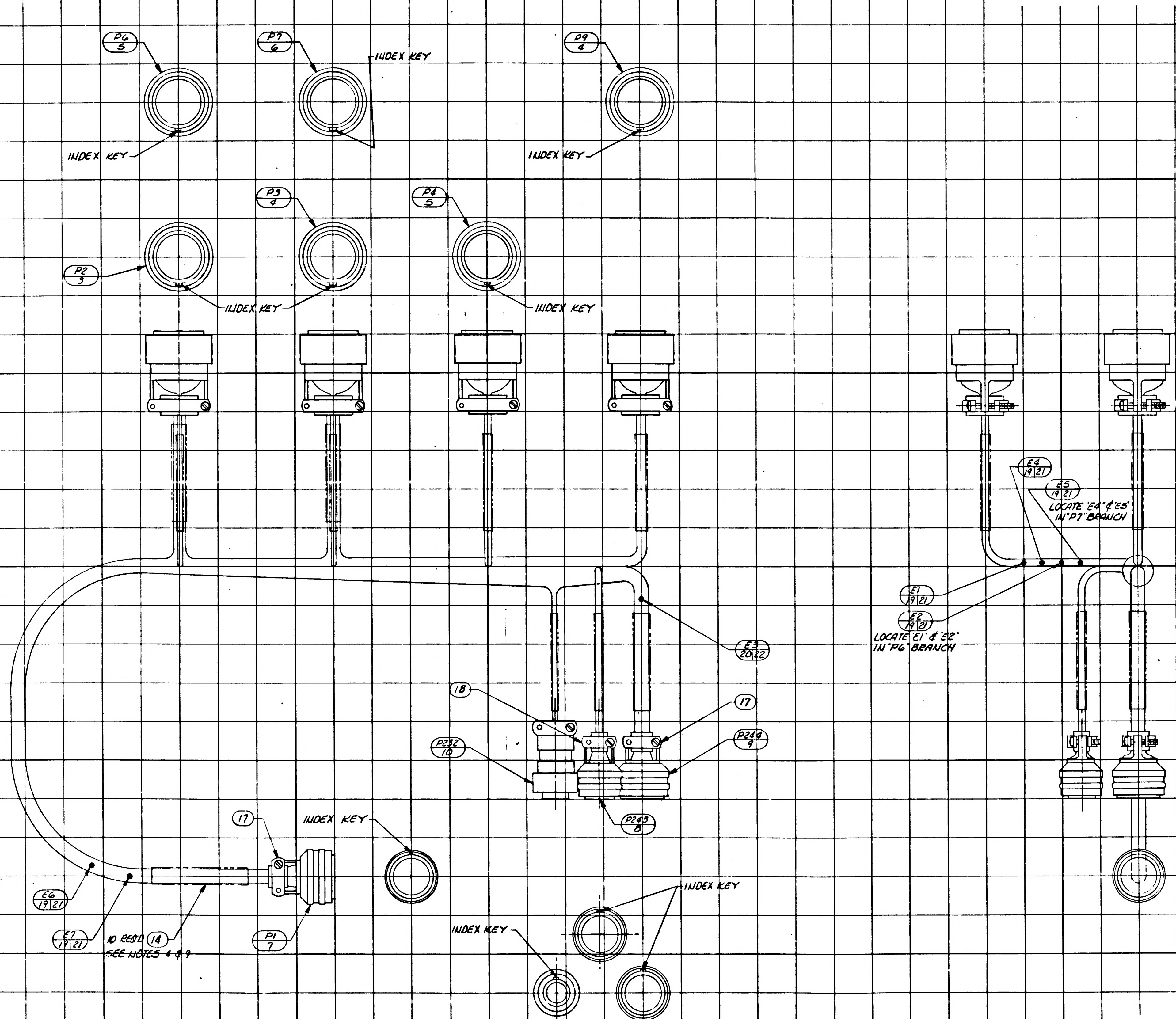

P6
5
P7
6
INDEX KEY
P9
4
INDEX KEY
INDEX KEY
P3
4
P4
5
P2
3
INDEX KEY
INDEX KEY
E4
19 21
E5
19 21
LOCATE "E4" & "E5" IN "P7" BRANCH
E1
19 21
E2
19 21
LOCATE "E1" & "E2" IN "P6" BRANCH
E3
20 22
18
17
P232
10
P244
9
P243
8
17
INDEX KEY
E6
19 21
E7
19 21
10 REQ'D 14
SEE NOTES 4 & 9
P1
7
INDEX KEY
INDEX KEY

TABLE I

PLUG	TERMINATION MARKING
P1	P1 (J1 - PSAAM)
P2	P2 (J2 - IN/OUT PANEL)
P3	P3 (J3 - IN/OUT PANEL)
P4	P4 (J4 - IN/OUT PANEL)
P6	P6 (J6 - IN/OUT PANEL)
P7	P7 (J7 - IN/OUT PANEL)
P9	P9 (J9 - IN/OUT PANEL)
P232	P232 (J232 - PSAAM)
P243	P243 (J243 - PSAAM)
P244	P244 (J244 - PSAAM

2901044-011	2900895-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± ___ 3 PLACE DECIMALS ± ___ ANGLES ± ___
DO NOT SCALE THIS DRAWING
MATERIAL SEE SHEET 3
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN A.J. Finke DATE 11-MAR-66
CHECKED C. Wilson 22 MAR 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE, ELECTRICAL,
BRANCHED "LEM" PSAAM

SIZE E
CODE IDENT NO. 99974
2900990
SCALE 1:1
SHEET 23 OF 23

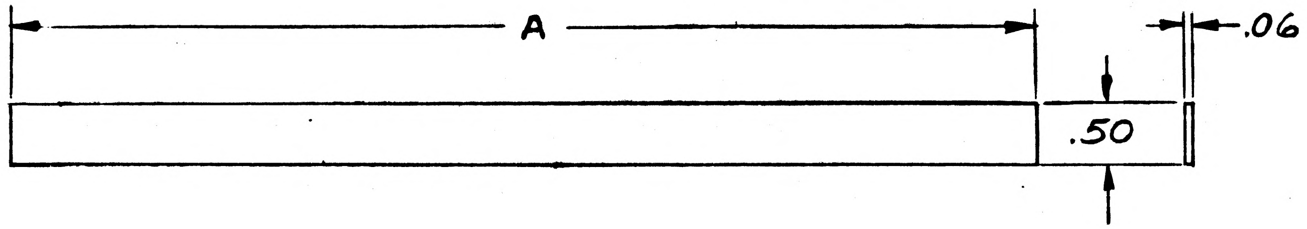
2900990

MX-10969

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 27203		28 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATL: NEOPRENE RUBBER MIL-R-6855 GRADE 40 CLASS II (ES 2710-1)
3. MUST BE FREE FROM TEARS.
4. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).



PART NO.	A
2900993-001	11.30
2900993-002	2.60
2900993-003	13.38
2900993-004	16.70
2900993-005	1.60
2900993-006	1.24

NEXT ASSY	USED ON
2900994	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

2 PLACE DECIMALS	3 PLACE DECIMALS	ANGLES
+.02	+ —	+ —
-.02	- —	- —

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

APPROVAL 4FE 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 25 JAN 66 DATE
CHECKED 4 FEB 66
APPROVAL Gehman 3/15/66
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

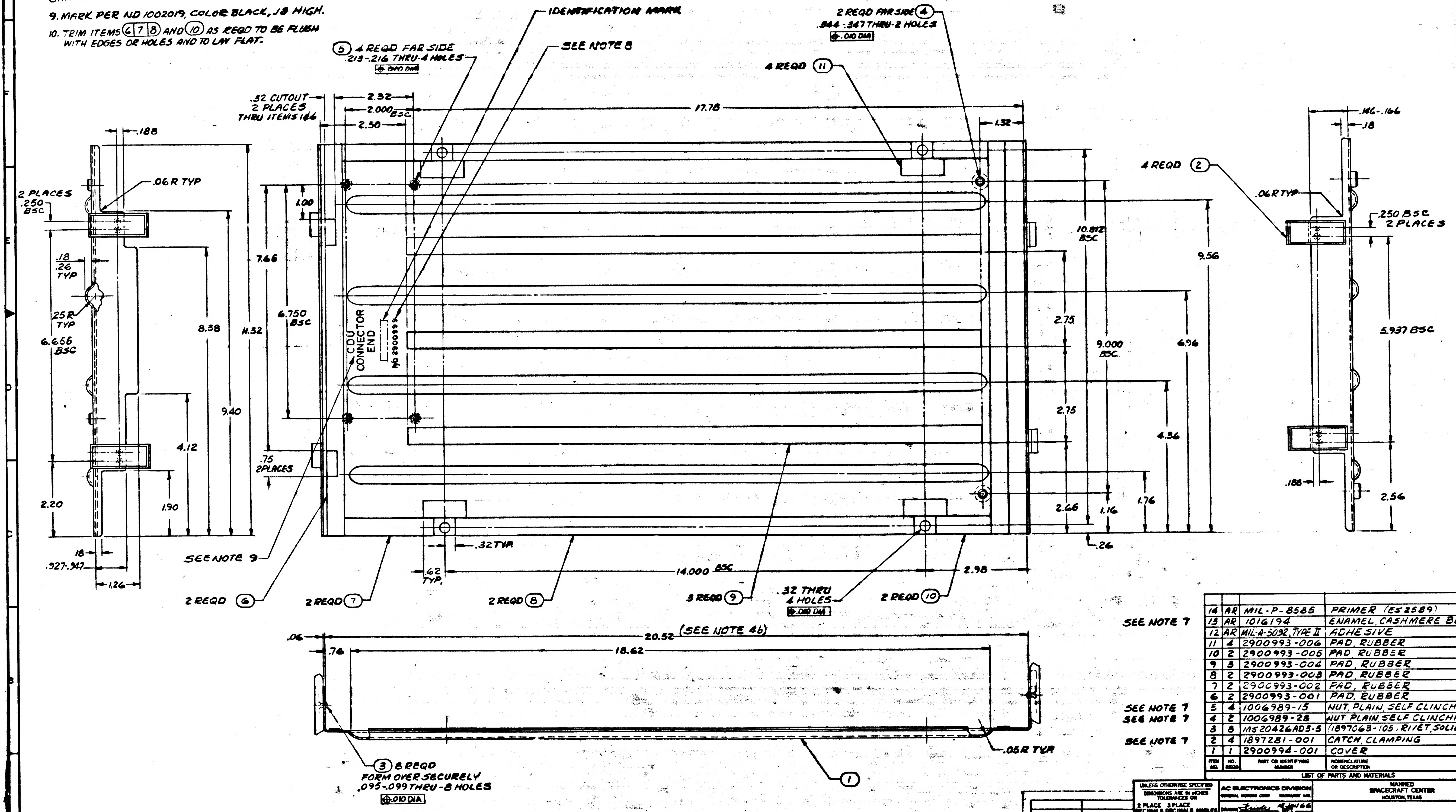
PAD - RUBBER

SIZE C
CODE IDENT NO. 99974
2900993
SCALE —
SHEET 1 OF 1

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: AL ALLOY PER QQ-A-250/8 TEMPER H34 (ES 2105, 5052 H34).
3. MUST BE FREE FROM BURRS & SHARP CORNERS.
4. FINISH:
   - a. APPLY ITEM (14) AND TWO COATS OF ITEM (13) PER MIL-F-14072 USING SCHEDULE P513.
   - b. ITEM 2 AND AREA INDICATED TO BE FREE OF FINISH, ITEMS (13) & (14).
5. BOND ITEMS (6) THRU (11) TO ITEM (1) USING ITEM (12).
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
7. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
8. MARK PER ND 1002019, COLOR BLACK, .12 HIGH.
9. MARK PER ND 1002019, COLOR BLACK, .18 HIGH.
10. TRIM ITEMS (6)(7)(8) AND (10) AS REQD TO BE FLUSH WITH EDGES OR HOLES AND TO LAY FLAT.


IDENTIFICATION MARK
SEE NOTE 8
(5) 4 REQD FAR SIDE .213-.216 THRU-4 HOLES
⌖ .010 DIA
2 REQD FAR SIDE (4) .344-.347 THRU-2 HOLES
⌖ .010 DIA
4 REQD (11)
.32 CUTOUT 2 PLACES THRU ITEMS 1&6
2.32
2.000 BSC
2.50
17.78
1.32
.188
.06 R TYP
2 PLACES .250 BSC
.18
.26 TYP
.25 R TYP
6.656 BSC
8.38
11.32
9.40
4.12
2.20
1.90
18
.927-.947
1.26
1.00
7.66
6.750 BSC
.75 2 PLACES
CDU CONNECTOR END
NO. 2900994
10.812 BSC
9.56
2.75
9.000 BSC
6.96
2.75
4.36
2.66
1.16
1.76
.26
4 REQD (2)
.06 R TYP
.146-.166
.18
.250 BSC 2 PLACES
5.937 BSC
.188
2.56
SEE NOTE 9
.32 TYP
.62 TYP.
14.000 BSC
2.98
2 REQD (6)
2 REQD (7)
2 REQD (8)
3 REQD (9)
.32 THRU 4 HOLES
⌖ .010 DIA
2 REQD (10)
.06
20.52 (SEE NOTE 4b)
.76
18.62
.05 R TYP
(3) 8 REQD FORM OVER SECURELY .095-.099 THRU-8 HOLES
⌖ .010 DIA
(1)

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	14	AR	MIL-P-8585	PRIMER (ES 2589)
SEE NOTE 7	13	AR	1016194	ENAMEL, CASHMERE BLUE
	12	AR	MIL-A-5092, TYPE II	ADHESIVE
	11	4	2900993-006	PAD, RUBBER
	10	2	2900993-005	PAD, RUBBER
	9	3	2900993-004	PAD, RUBBER
	8	2	2900993-003	PAD, RUBBER
	7	2	2900993-002	PAD, RUBBER
	6	2	2900993-001	PAD, RUBBER
SEE NOTE 7	5	4	1006989-15	NUT, PLAIN, SELF CLINCHING
SEE NOTE 7	4	2	1006989-28	NUT PLAIN, SELF CLINCHING
	3	8	MS20426AD3-5	(1897063-105, RIVET, SOLID, 100°
SEE NOTE 7	2	4	1897281-001	CATCH, CLAMPING
	1	1	2900994-001	COVER

LIST OF PARTS AND MATERIALS

2900999-011	1900080
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Fink 18 Jan 66
CHECKED Walt Sarsha 4 Feb 66
APPROVAL Jahman 3/15/66
CONTRACT NAS 9-497
NASA APPROVAL A. C. Manning
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

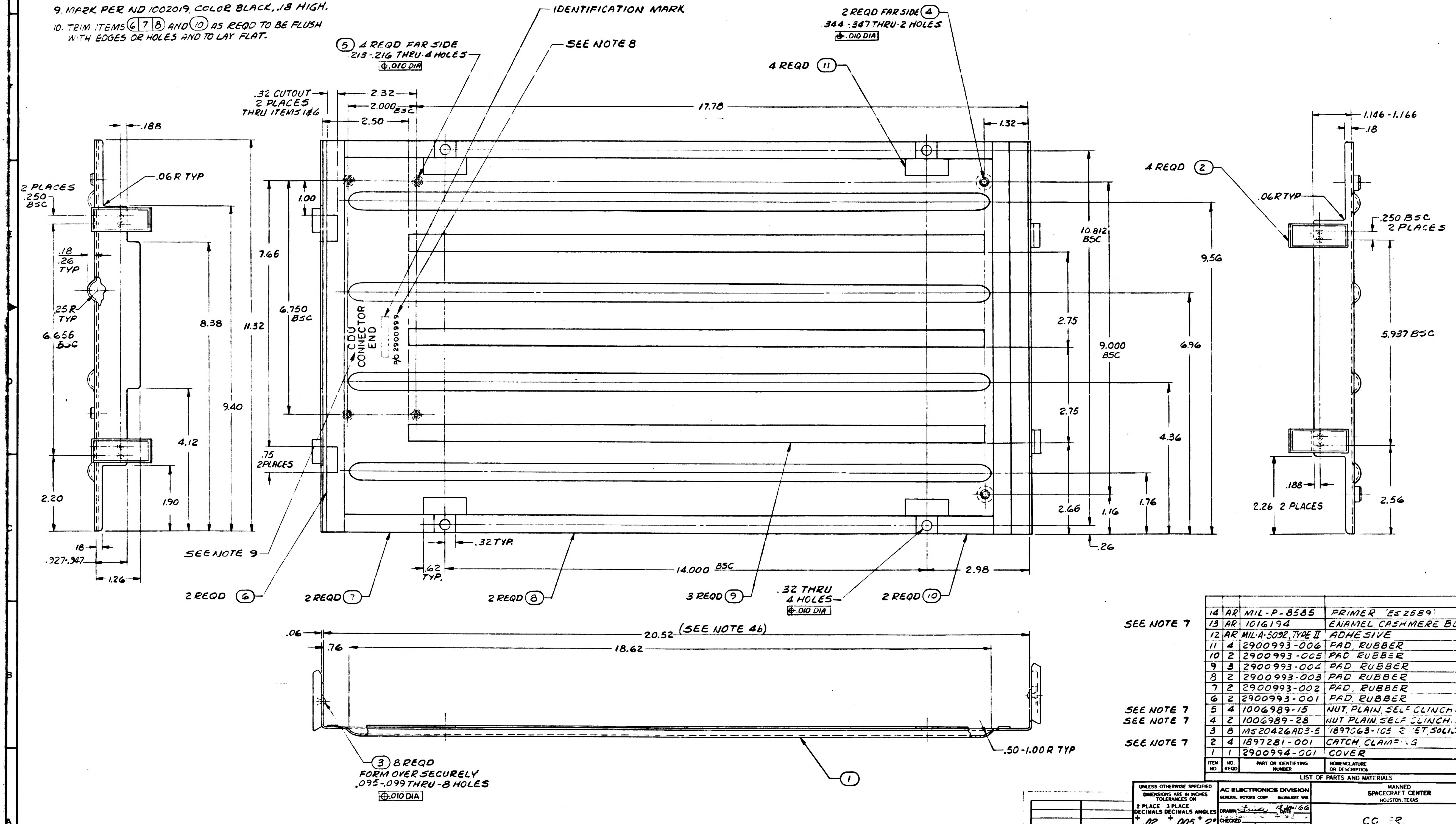
COVER,
(INSEPARABLE ASSEMBLY)

SIZE E
CODE IDENT NO. 99974
2900994
SCALE 1/1
SHEET 1:1

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	
	B	REVISED PER TDRR 27659		6 APR 66	FHG JAC

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: AL ALLOY PER QQ-A-250/8 TEMPER H34 (ES 2105, 5052 H34).
3. MUST BE FREE FROM BURRS & SHARP CORNERS.
4. FINISH:
   a. APPLY ITEM (14) AND TWO COATS OF ITEM (13) PER MIL-F-14072 USING SCHEDULE P513.
   b. ITEM 2 AND AREA INDICATED TO BE FREE OF FINISH, ITEMS (13) & (14).
5. BOND ITEMS (6) THRU (11) TO ITEM (1) USING ITEM (12).
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
7. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
8. MARK PER ND 1002019, COLOR BLACK, .12 HIGH.
9. MARK PER ND 1002019, COLOR BLACK, .18 HIGH.
10. TRIM ITEMS (6 7 8) AND (10) AS REQD TO BE FLUSH WITH EDGES OR HOLES AND TO LAY FLAT.


IDENTIFICATION MARK
SEE NOTE 8
(5) 4 REQD FAR SIDE .213-.216 THRU-4 HOLES
⌖ .010 DIA
2 REQD FAR SIDE (4) .344-.347 THRU-2 HOLES
⌖ .010 DIA
4 REQD (11)
.32 CUTOUT 2 PLACES THRU ITEMS 1 & 6
2.32
2.000 BSC
2.50
17.78
1.32
.188
.06 R TYP
2 PLACES .250 BSC
.18
.26 TYP
.25 R TYP
6.656 BSC
8.38
11.32
9.40
4.12
2.20
1.90
.18
.927-.947
1.26
1.00
7.66
6.750 BSC
.75 2 PLACES
CDU CONNECTOR END
P/N 2900999
10.812 BSC
9.56
2.75
9.000 BSC
6.96
2.75
4.36
2.66
1.16
1.76
.26
.32 TYP.
.62 TYP.
14.000 BSC
2.98
SEE NOTE 9
2 REQD (6)
2 REQD (7)
2 REQD (8)
3 REQD (9)
.32 THRU 4 HOLES
⌖ .010 DIA
2 REQD (10)
4 REQD (2)
.06 R TYP
1.146-1.166
.18
.250 BSC 2 PLACES
5.937 BSC
.188
2.26 2 PLACES
2.56
.06
.76
20.52 (SEE NOTE 4b)
18.62
(3) 8 REQD FORM OVER SECURELY .095-.099 THRU-8 HOLES
⌖ .010 DIA
.50-1.00 R TYP
(1)

	14	AR	MIL-P-8585	PRIMER (ES 2589)
SEE NOTE 7	13	AR	1016194	ENAMEL, CASHMERE BLUE
	12	AR	MIL-A-5092, TYPE II	ADHESIVE
	11	4	2900993-006	PAD, RUBBER
	10	2	2900993-005	PAD, RUBBER
	9	3	2900993-004	PAD, RUBBER
	8	2	2900993-003	PAD, RUBBER
	7	2	2900993-002	PAD, RUBBER
	6	2	2900993-001	PAD, RUBBER
SEE NOTE 7	5	4	1006989-15	NUT, PLAIN, SELF CLINCHING
SEE NOTE 7	4	2	1006989-28	NUT, PLAIN, SELF CLINCHING
	3	8	MS20426AD3-5	1897063-105 RIVET, SOLID, 100°
SEE NOTE 7	2	4	1897281-001	CATCH, CLAMPING
	1	1	2900994-001	COVER
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

2900999-011	1900080
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Friede DATE 13 JAN 66
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

COVER, (INSEPARABLE ASSEMBLY)

SIZE E
CODE IDENT NO 99974
2900994
SCALE 1:1
SHEET 1:1

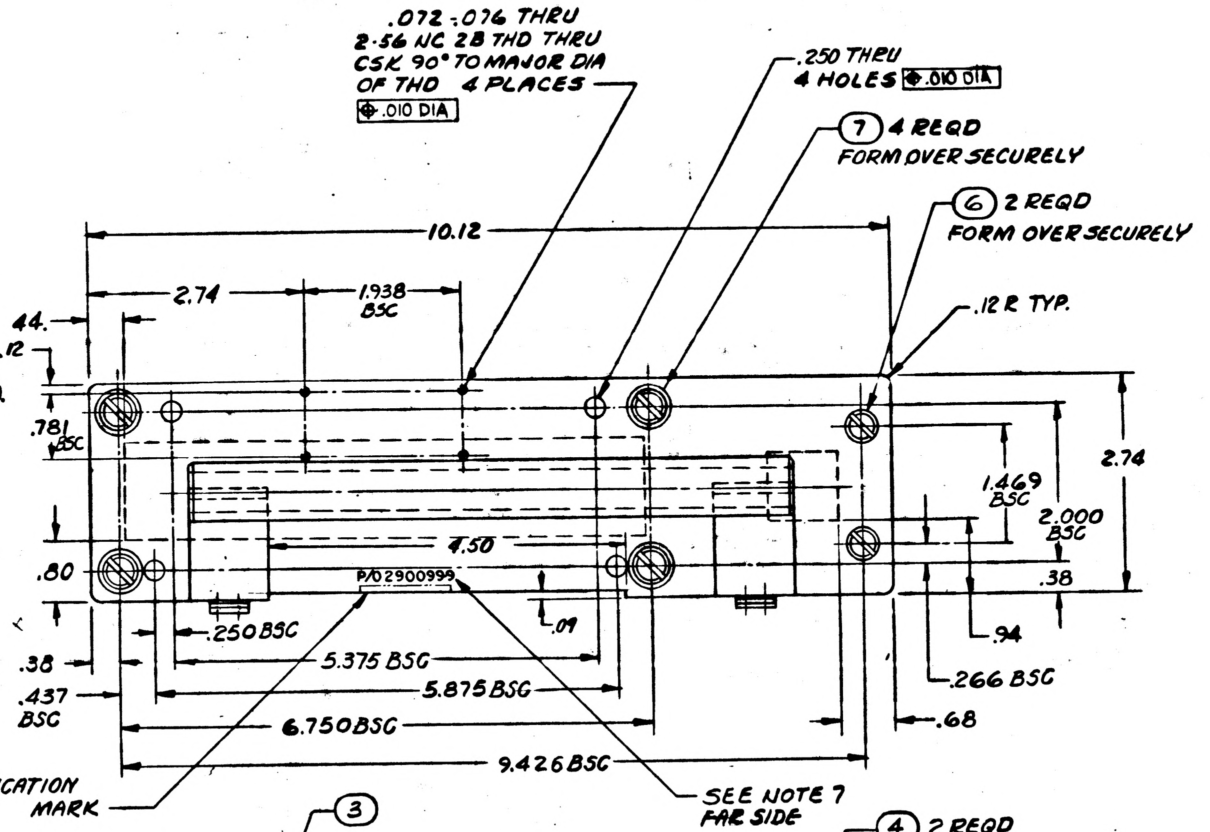
4 FEB 66

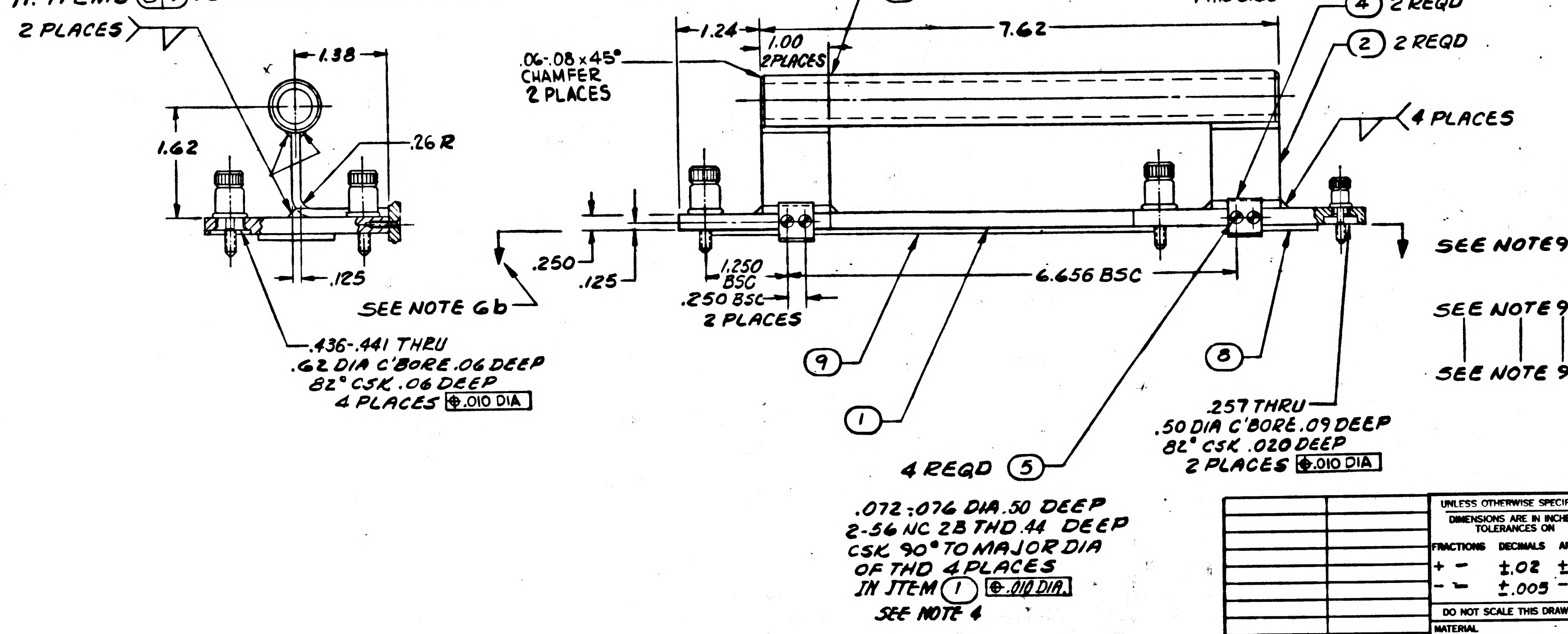
A 2900995

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD.
A		INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   ITEM ③ - AL ALY PER WW-T-700/6 (ES2106 6061-T6) DRAWN TUBING 3/4 O.D. x .083 WALL THICKNESS.
   ITEM ① - AL ALY PER QQ-A-250/11 TEMPER T651 (ES2106 6061-T651)
   ITEM ② - AL ALY PER QQ-A-250/8 TEMPER H-32 (ES-2105 5052-H32).
   ITEMS ⑧⑨ MAKE FROM 1010897-001.
3. MUST BE FREE FROM BURRS & SHARP EDGES.
4. SECURE ITEM ⑤ WITH ITEM ⑫.
5. BOND ITEMS ⑧ AND ⑨ TO ITEM ① USING ITEM ⑬.
6. FINISH:
   APPLY ITEM ⑪ AND TWO COATS OF ITEM ⑩ PER MIL-F-14072 USING SCHEDULE P513.
   ITEMS ④⑤⑥⑦ & AREA INDICATED TO BE FREE OF FINISH, ITEMS ⑩ & ⑪.
7. MARK PER ND1002019, COLOR BLACK, .12 HIGH.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
9. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
10. WELD PER MIL-W-8604.
11. ITEMS ⑧⑨ TO BE FREE FROM TEARS.


.072-.076 THRU
2-56 NC 2B THD THRU
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
⌖ .010 DIA
.250 THRU
4 HOLES ⌖ .010 DIA
⑦ 4 REQD
FORM OVER SECURELY
⑥ 2 REQD
FORM OVER SECURELY
.12 R TYP.
10.12
2.74
1.938 BSC
.44
.12
.781 BSC
.80
.38
.437 BSC
4.50
P/O 2900999
.09
.250 BSC
5.375 BSC
5.875 BSC
6.750 BSC
9.426 BSC
1.469 BSC
2.000 BSC
2.74
.38
.94
.266 BSC
.68
IDENTIFICATION MARK
SEE NOTE 7
FAR SIDE


2 PLACES
1.38
1.62
.26 R
.125
SEE NOTE 6b
.436-.441 THRU
.62 DIA C'BORE .06 DEEP
82° CSK .06 DEEP
4 PLACES ⌖ .010 DIA
③
1.24
1.00
2 PLACES
7.62
.06-.08 x 45°
CHAMFER
2 PLACES
④ 2 REQD
② 2 REQD
4 PLACES
.250
.125
1.250 BSC
.250 BSC
2 PLACES
6.656 BSC
⑨
①
⑧
.257 THRU
.50 DIA C'BORE .09 DEEP
82° CSK .020 DEEP
2 PLACES ⌖ .010 DIA
4 REQD ⑤
.072-.076 DIA .50 DEEP
2-56 NC 2B THD .44 DEEP
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
IN ITEM ① ⌖ .010 DIA
SEE NOTE 4

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	13	AR	ND 1002151	ADHESIVE
	12	AR	MIL-S-22473 GRADE H	SEALING COMPOUND (ES2544-5)
	11	AR	MIL-P-8585	PRIMER (ES2589)
SEE NOTE 9	10	AR	1016194	ENAMEL, CASHMERE BLUE
	9	1	2900995-005	PAD 1.12 X 6.56 X .080 THK
	8	1	2900995-004	PAD .88 X .88 X .080 THK
SEE NOTE 9	7	4	1897397-002	FASTENER, SPRING EJECTED
	6	2	1897405-024	SCREW, PANEL FASTENER, CAPTIVE
	5	4	1010630-4	SCREW, FLAT HD 100°
SEE NOTE 9	4	2	1897281-001	CATCH, CLAMPING (KEEPER ONLY)
	3	1	2900995-003	HANDLE
	2	2	2900995-002	STRAP
	1	1	2900995-001	PLATE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900999-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ -	±.02	±2°
- -	±.005	- -

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 24 JAN 66
CHECKED DATE 4 FEB 66
APPROVAL C. Goldman 3/17/66
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HANDLE, LEFT HAND,
CDU HANDLING FIXTURE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900995
SCALE 1:1
SHEET 1 OF 1

MIL 10770-K

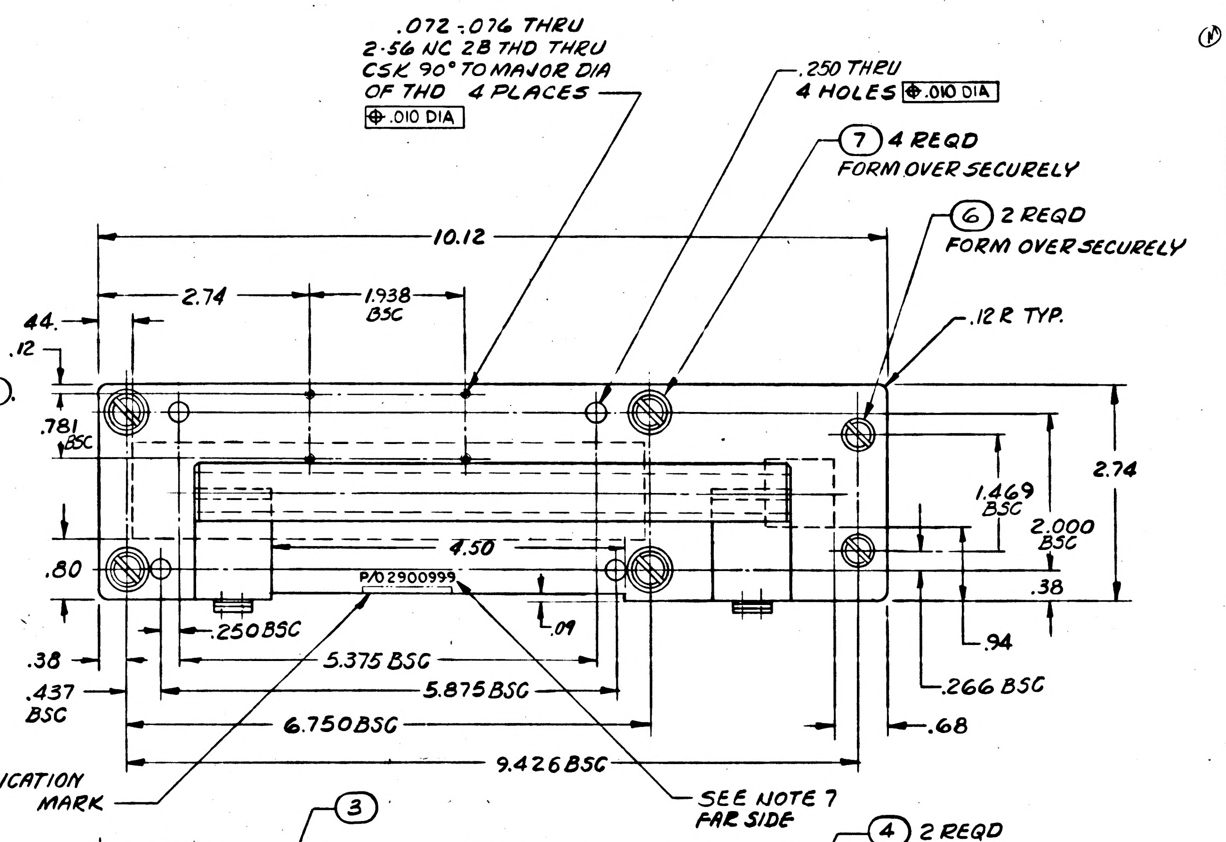
MASTER

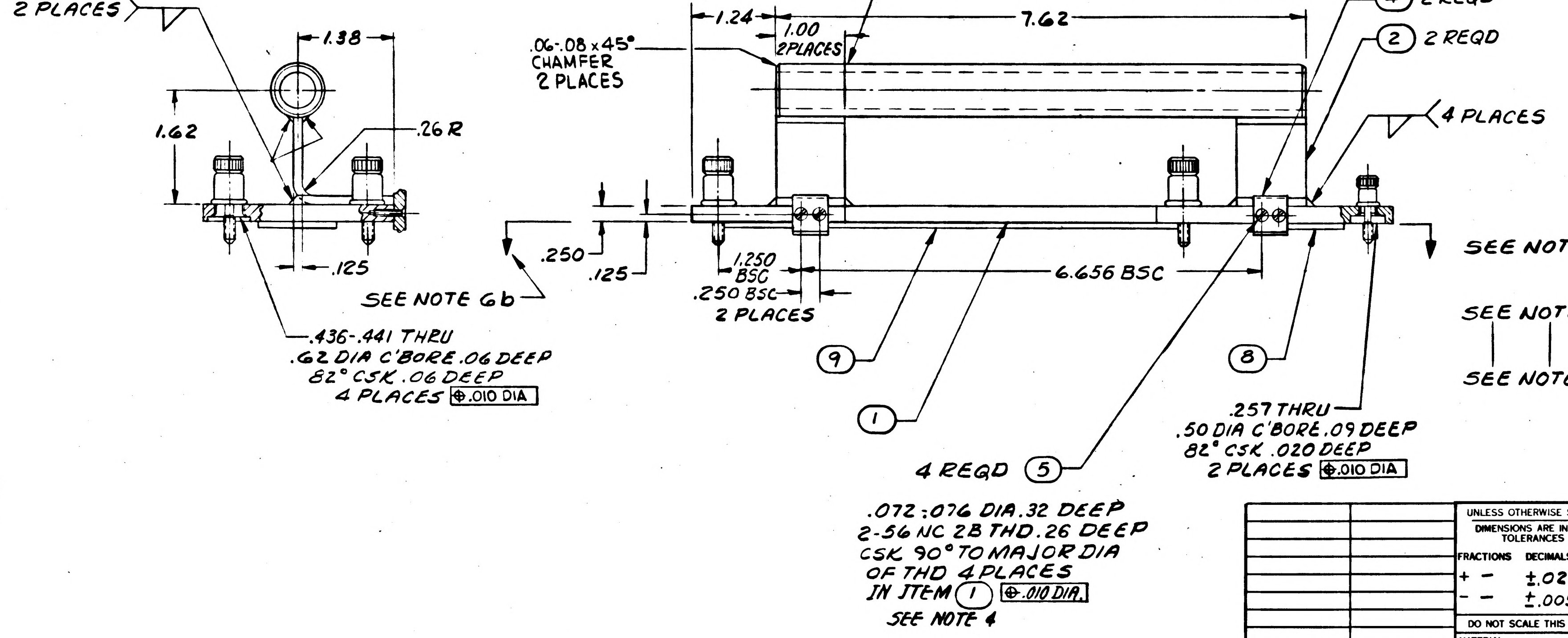
B | 2900995 | 2

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	
B		REVISED PER TDRR 27654		6-APR-66	B. RWH

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   ITEM (3) - AL ALY PER WW-T-700/6 (ES2106 6061-T6) DRAWN TUBING 3/4 O.D. x .083 WALL THICKNESS.
   ITEM (1) - AL ALY PER QQ-A-250/11 TEMPER T651 (ES2106 6061-T651)
   ITEM (2) - AL ALY PER QQ-A-250/8 TEMPER H-32 (ES-2105 5052-H32).
   ITEMS (8|9) MAKE FROM 1010897-001.
3. MUST BE FREE FROM BURRS & SHARP EDGES.
4. SECURE ITEM (5) WITH ITEM (12).
5. BOND ITEMS (8) AND (9) TO ITEM (1) USING ITEM (13).
6. FINISH:
   APPLY ITEM (11) AND TWO COATS OF ITEM (10) PER MIL-F-14072 USING SCHEDULE P513.
   ITEMS (4|5|6|7) & AREA INDICATED TO BE FREE OF FINISH, ITEMS (10) & (11).
7. MARK PER ND1002019, COLOR BLACK, .12 HIGH.
8. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
9. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.
10. WELD PER MIL-W-8604.
11. ITEMS (8|9) TO BE FREE FROM TEARS.


.072-.076 THRU
2-56 NC 2B THD THRU
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
⊕ .010 DIA
.250 THRU
4 HOLES ⊕ .010 DIA
(7) 4 REQD
FORM OVER SECURELY
(6) 2 REQD
FORM OVER SECURELY
.12 R TYP.
10.12
2.74
1.938 BSC
.44
.12
.781 BSC
.80
.38
.437 BSC
4.50
P/O 2900999
.09
.250 BSC
5.375 BSC
5.875 BSC
6.750 BSC
9.426 BSC
1.469 BSC
2.000 BSC
2.74
.38
.94
.266 BSC
.68
IDENTIFICATION MARK
SEE NOTE 7 FAR SIDE


2 PLACES
1.38
1.62
.26 R
.125
SEE NOTE 6b
.436-.441 THRU
.62 DIA C'BORE .06 DEEP
82° CSK .06 DEEP
4 PLACES ⊕ .010 DIA
(3)
1.24
1.00 2 PLACES
7.62
.06-.08 x 45° CHAMFER 2 PLACES
(4) 2 REQD
(2) 2 REQD
4 PLACES
.250
.125
1.250 BSC
.250 BSC
2 PLACES
6.656 BSC
(9)
(1)
(8)
4 REQD (5)
.257 THRU
.50 DIA C'BORE .09 DEEP
82° CSK .020 DEEP
2 PLACES ⊕ .010 DIA
.072-.076 DIA .32 DEEP
2-56 NC 2B THD .26 DEEP
CSK 90° TO MAJOR DIA
OF THD 4 PLACES
IN ITEM (1) ⊕ .010 DIA
SEE NOTE 4

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	13	AR	ND 1002151	ADHESIVE
	12	AR	MIL-S-22473 GRADE H	SEALING COMPOUND (ES2544-5)
	11	AR	MIL-P-8585	PRIMER (ES2589)
SEE NOTE 9	10	AR	1016194	ENAMEL, CASHMERE BLUE
	9	1	2900995-005	PAD 1.12 X 6.56 X .080 THK
	8	1	2900995-004	PAD .88 X .88 X .080 THK
SEE NOTE 9	7	4	1897397-002	FASTENER, SPRING EJECTED
	6	2	1897405-024	SCREW, PANEL FASTENER, CAPTIVE
	5	4	1010630-4	SCREW, FLAT HD 100°
SEE NOTE 9	4	2	1897281-001	CATCH, CLAMPING (KEEPER ONLY)
	3	1	2900995-003	HANDLE
	2	2	2900995-002	STRAP
	1	1	2900995-001	PLATE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900999-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ -	±.02	±2°
- -	±.005	- -

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN Fride 24 JAN 66
CHECKED 4 FEB 66
APPROVAL Godman 3/15/66
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HANDLE, LEFT HAND,
CDU HANDLING FIXTURE
(INSEPARABLE ASSEMBLY)

CODE IDENT NO. 99974
SIZE D
2900995
SCALE 1:1
SHEET 1 OF 1

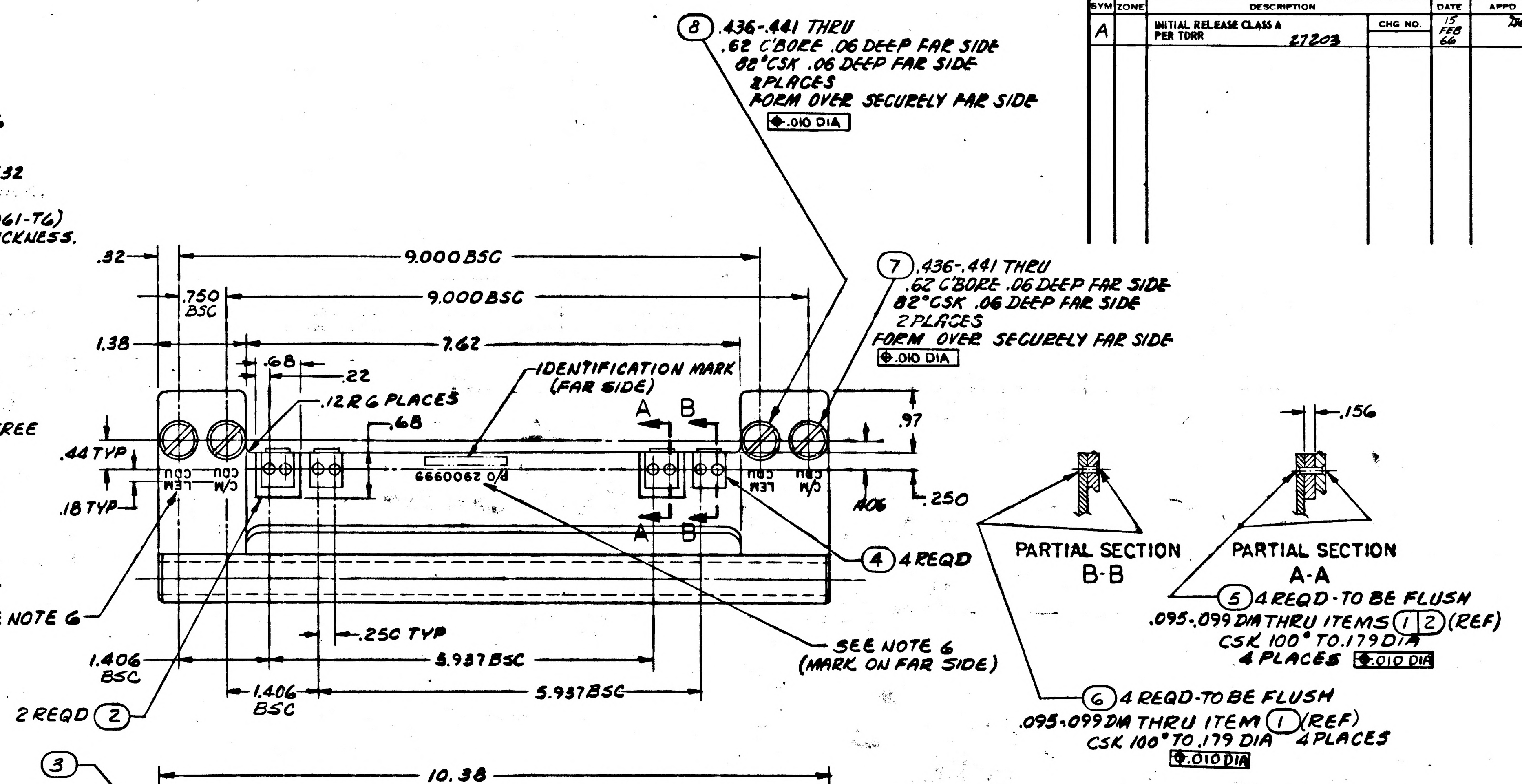
4 FEB-66

A 2900996

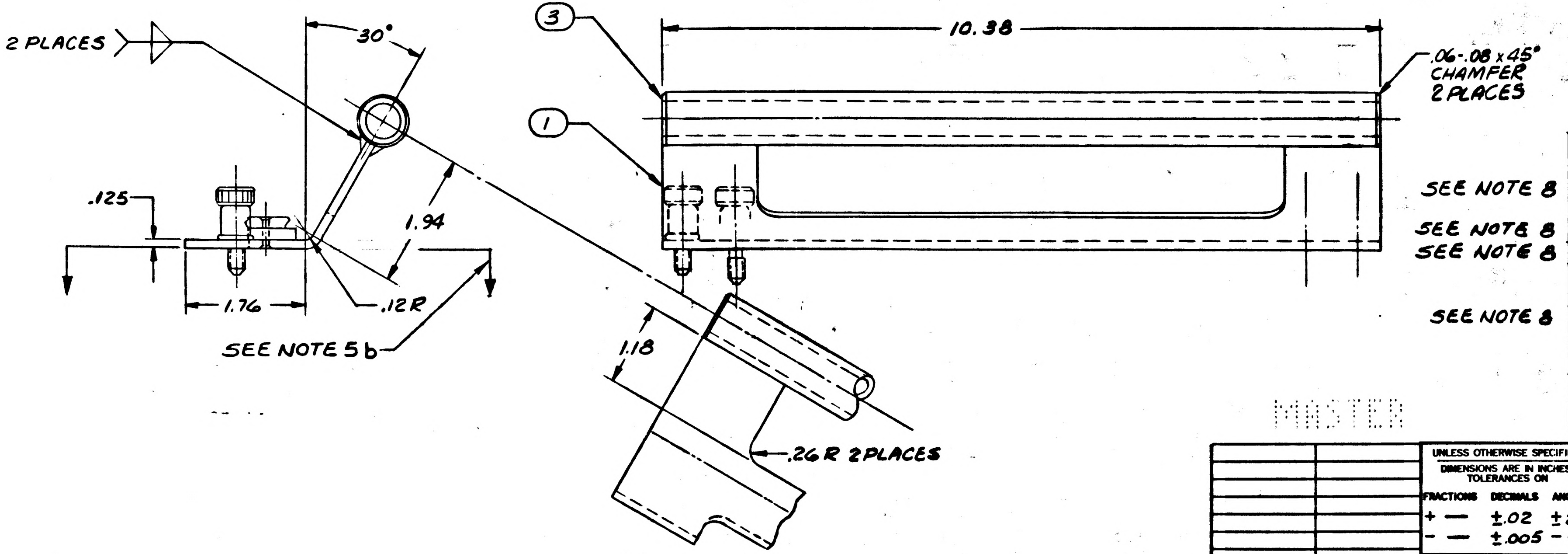
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL:
   ITEM ① - AL ALY PER QQ-A-250/11 TEMPER T6 (ES 2106 6061-T6).
   ITEM ② - AL ALY PER QQ-A-250/8 TEMPER H32 (ES 2105 5052-H32).
   ITEM ③ - AL ALY PER WW-T-700/6 (ES 2106 6061-T6) DRAWN TUBING 3/4 O.D. X .083 WALL THICKNESS.
3. WELD PER MIL-W-8604.
4. MUST BE FREE FROM BURRS & SHARP EDGES.
5. FINISH:
   a. APPLY ITEM ⑨ AND TWO COATS OF ITEM ⑩ PER MIL-F-14072 USING SCHEDULE P513.
   b. ITEMS ④⑦⑧ AND AREA INDICATED TO BE FREE OF FINISH. ITEMS ⑨ & ⑩.
6. MARK PER ND 1002019, COLOR BLACK, .12 HIGH.
7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
8. VENDOR ITEM: SEE SPECIFICATION CONTROL DRAWING.



⑧ .436-.441 THRU
.62 C'BORE .06 DEEP FAR SIDE
82°CSK .06 DEEP FAR SIDE
2 PLACES
FORM OVER SECURELY FAR SIDE
⌖ .010 DIA
⑦ .436-.441 THRU
.62 C'BORE .06 DEEP FAR SIDE
82°CSK .06 DEEP FAR SIDE
2 PLACES
FORM OVER SECURELY FAR SIDE
⌖ .010 DIA
.32
9.000 BSC
.750 BSC
9.000 BSC
1.38
7.62
.68
.22
.12 R 6 PLACES
.68
IDENTIFICATION MARK (FAR SIDE)
A
B
.97
.44 TYP
.18 TYP
CDU LEM
C/M
P/O 2900996
.406
.250
④ 4 REQD
SEE NOTE 6
.250 TYP
1.406 BSC
5.937 BSC
1.406 BSC
5.937 BSC
SEE NOTE 6 (MARK ON FAR SIDE)
2 REQD ②
.156
PARTIAL SECTION B-B
PARTIAL SECTION A-A
⑤ 4 REQD - TO BE FLUSH
.095-.099 DIA THRU ITEMS ① ② (REF)
CSK 100° TO .179 DIA
4 PLACES ⌖ .010 DIA
⑥ 4 REQD - TO BE FLUSH
.095-.099 DIA THRU ITEM ① (REF)
CSK 100° TO .179 DIA 4 PLACES
⌖ .010 DIA



2 PLACES
30°
.125
1.94
1.76
.12 R
SEE NOTE 5b
1.18
.26 R 2 PLACES
③
10.38
①
.06-.08 x 45° CHAMFER 2 PLACES
SEE NOTE 8
SEE NOTE 8
SEE NOTE 8
SEE NOTE 8

MASTER

ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
10	AR	1016194	ENAMEL, CASHMERE BLUE
9	AR	MIL-P-8585	PRIMER (ES 2589)
8	2	1897397-017	FASTENER, SPRING EJECTED
7	2	1897397-021	FASTENER, SPRING EJECTED
6	4	MS 20426AD3-5	(1897063-105) RIVET, SOLID, 100°
5	4	MS 20426AD3-8	(1897063-108) RIVET, SOLID, 100°
4	4	1897281-001	CATCH, CLAMPING (KEEPER ONLY)
3	1	2900996-003	HANDLE
2	2	2900996-002	SPACER
1	1	2900996-001	PLATE

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900999-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
+ —	±.02	±2°
- —	±.005	- -

DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN Fricke DATE 21 JAN 66
CHECKED 4 FEB 66
APPROVAL 3/15/66
APPROVAL
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

HANDLE, RIGHT HAND,
CDU HANDLING FIXTURE
(INSEPARABLE ASSEMBLE)

CODE IDENT NO. 99974 SIZE D 2900996
SCALE 1:1 SHEET 1 OF 1

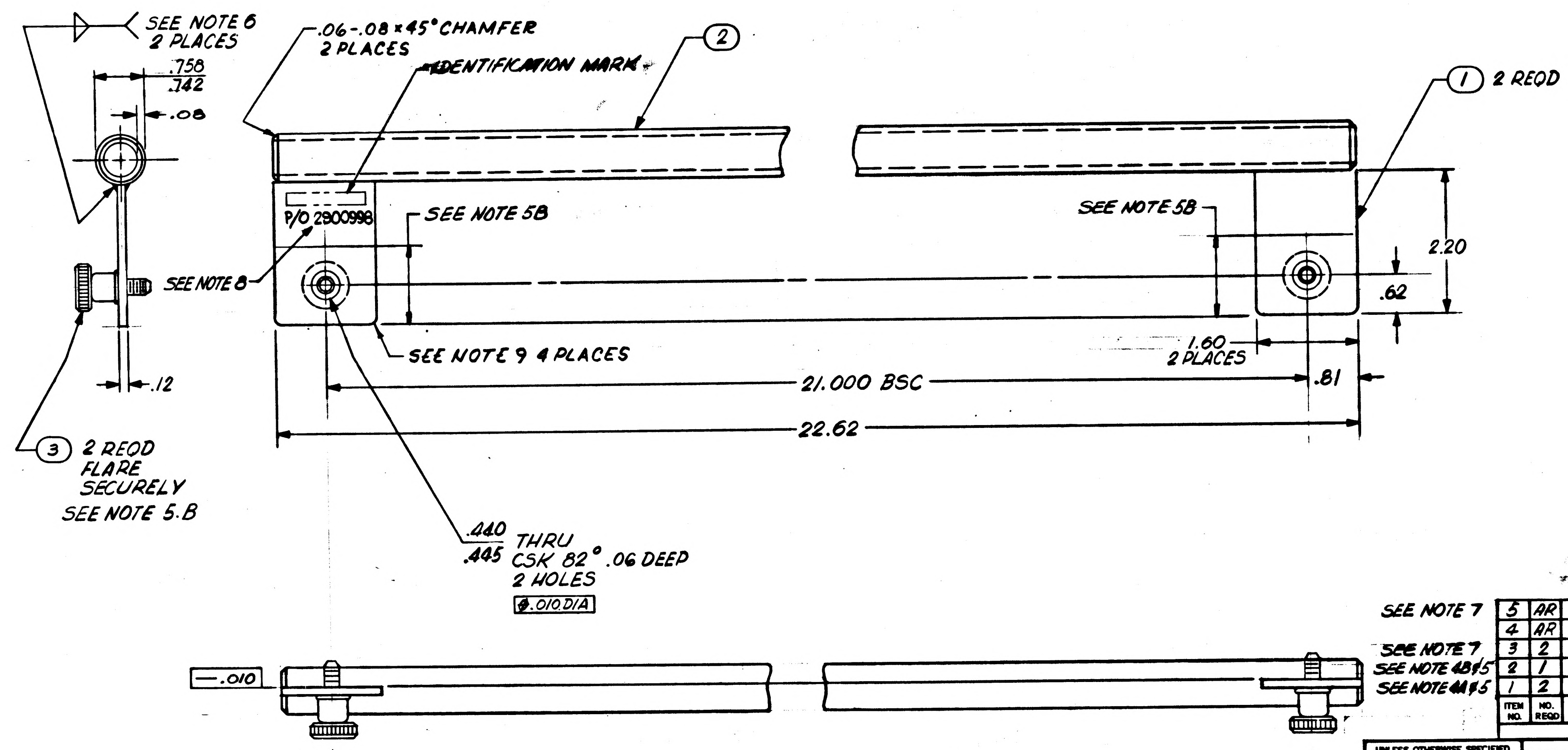
Charleston 4 FEB 66

MIL 10770-K

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
—	A	REVISED PER DO 61623	—	8 FEB 66	
	B	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
3. MUST BE FREE FROM BURRS AND SHARP EDGES.
4. MATERIAL: A. ALUMINUM ALLOY PER QQ-A-250/8 TEMPER H-34 (ES2105 5052 AL ALY).
   B. ALUMINUM ALLOY PER WW-T-700/6, TEMPER T6 (ES2106 6061 AL ALY).
5. FINISH:
   A. APPLY ④ AND TWO COATS OF ⑤ PER MIL-F-14072 USING SCHEDULE P513.
   B. ITEM ③ TO BE FREE FROM ④⑤. AND AREAS INDICATED TO BE FREE FROM ④⑤.
6. WELD PER MIL-W-8604.
7. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
8. MARK PER MIL-STD-130 (ES267).
9. CORNERS TO BE .06 - .12 RADIUS OR CHAMFER.


SEE NOTE 6
2 PLACES
.758
.742
.08
.12
SEE NOTE 8
③ 2 REQD
FLARE
SECURELY
SEE NOTE 5.B
.06-.08 × 45° CHAMFER
2 PLACES
IDENTIFICATION MARK
②
① 2 REQD
P/O 2900998
SEE NOTE 5B
SEE NOTE 5B
2.20
.62
SEE NOTE 9 4 PLACES
1.60
2 PLACES
.81
21.000 BSC
22.62
.440
.445 THRU
CSK 82° .06 DEEP
2 HOLES
⌀.010 DIA
—.010

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 7	5	AR	1016194	ENAMEL, CASHMERE BLUE
	4	AR	MIL-P-8585	PRIMER (ES2589)
SEE NOTE 7	3	2	1897397-017	SCREW, PANEL FASTENER
SEE NOTE 4B & 5	2	1	2900997-002	HANDLE
SEE NOTE 4A & 5	1	2	2900997-001	STRAP

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900998-011	1900030

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL 21 JAN 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN 12 JAN 66 DATE
CHECKED Ed Foster 20 JAN 66
APPROVAL L Goldman 3/1/66
CONTRACT NAS9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL 16 Mar 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

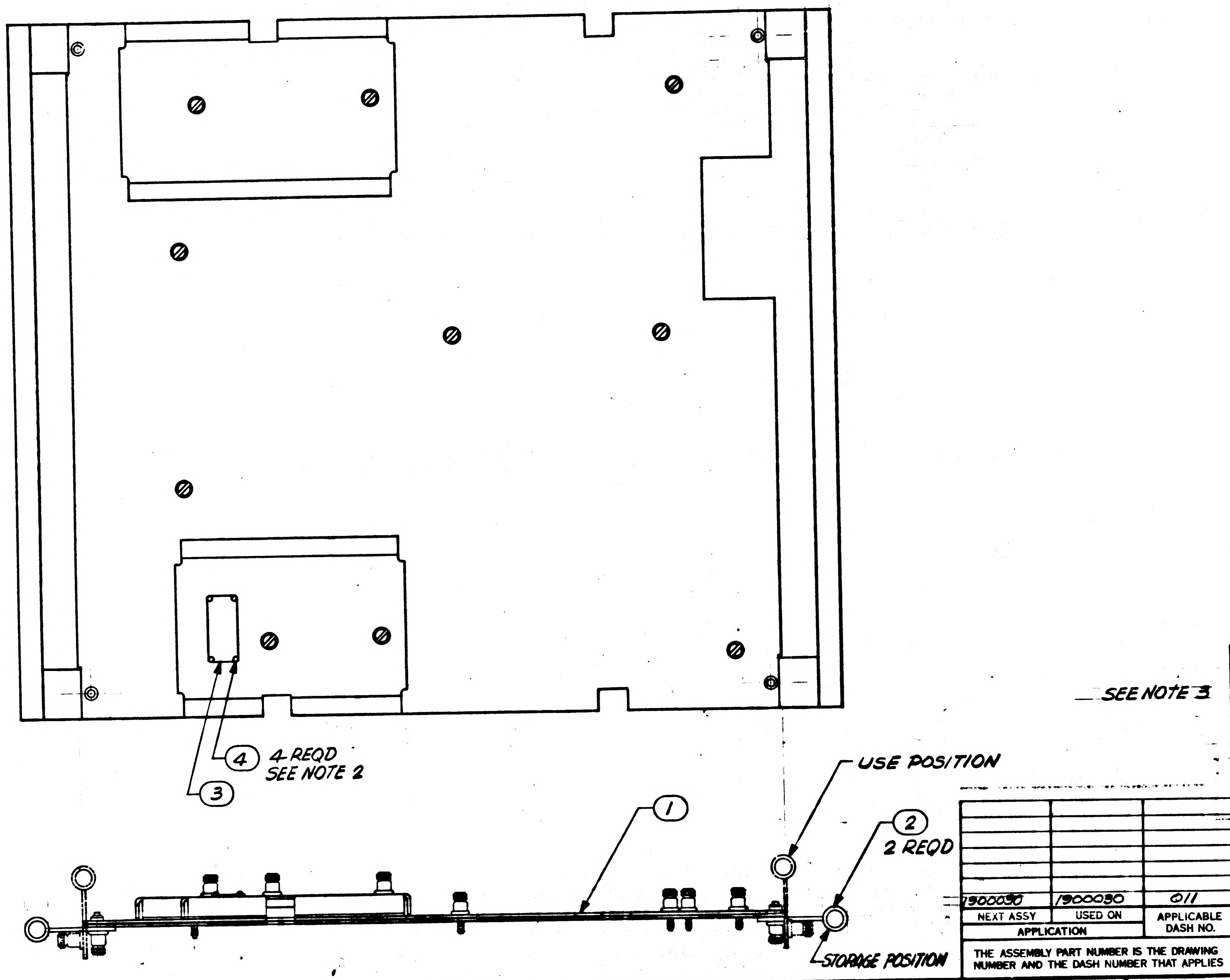
HANDLE, PSA FIXTURE
(INSEPARABLE ASSEMBLY)

SIZE D
CODE IDENT NO. 99974
2900997
SCALE FULL
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SECURE ④ USING ⑤.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.O.61603		2 FEB 66	FRW/JAC
	B	INITIAL RELEASE CLASS A PER TDRR 27203		15 FEB 66	



QUANTITY REQUIRED				EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			AR		5	MIL-S-22473 GRADE H	SEALING COMPOUND (ES2544-5)
			4		4	1006783-9	SCREW
			1		3	1004260-173	NAME PLATE
			2		2	2900997	HANDLE, PSA FIXTURE (INSEP ASSY)
			1		1	2900972	COVER, PSA FIXTURE (INSEP ASSY)
			011				

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
1900030	1900030	011
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL [illegible] 2 JAN 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN [illegible] DATE 13 JAN 66
CHECKED Ed Foster 20 JAN 66
APPROVAL L. Jackman 3/15/66
CONTRACT NAS9-497
NASA APPROVAL A. G. METZGER
MIT APPROVAL W. Kupfer 16 Mar 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

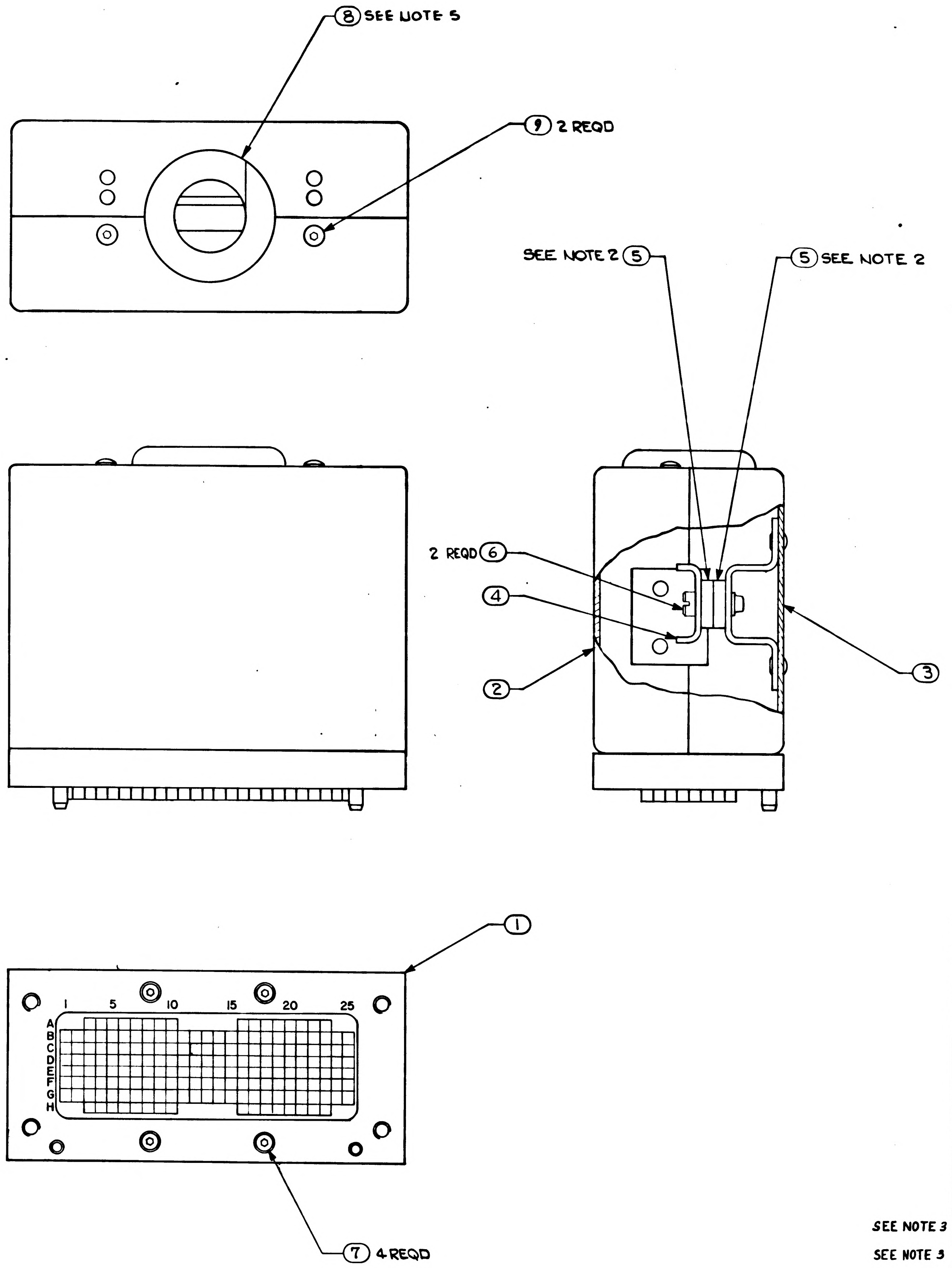
FIXTURE, HANDLING, PSA-C/M

SIZE D
CODE IDENT NO. 99974
2900998
SCALE 1:2
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151 USING ITEMS ⑩ AND ⑪.
3. VENDOR ITEM. SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.

ZONE	LTR	DESCRIPTION	CHG NO	DATE	APPROVED
	A	REVISED PER MXC 210061		1 MAR 66	LK CP
	B	INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66	RP EF



					011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
					AR		11	MIL-A-25457	ADHESIVE, SILICONE
					AR		10	1010718	PRIMER, ADHESIVE
SEE NOTE 3					2		9	1006783-19	SCREW, BUTTON HD
					1		8	MS35489-20	GROMMET, RUBBER
SEE NOTE 3					4		7	1017418-11	SCREW, CAP, SOC HD
					2		6	2901022-004	SCREW, SHOULDER
					2		5	2900580-004	GASKET
					1		4	2900711-004	CLAMP, MOVABLE
					1		3	2901002	SHELL, CLAMP (INSEP ASSY)
					1		2	2901000	SHELL, COVER (INSEP ASSY)
					1		1	2901001	BASE, CONNECTOR (INSEP ASSY)

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO
2901084	2901076-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± ___ DECIMALS ± ___ ANGLES ± ___

DO NOT SCALE THIS DRAWING

MATERIAL ———

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN J. Kelsenga 20 JAN 66
CHECKED S. Steine 31 JAN 66
APPROVAL V. Foss 31 JAN 66
APPROVAL Coleman 5/3/66
NASA APPROVAL A. C.
MIT APPROVAL 5-3-66

2 21 JAN 66

MANNED
SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, PLUG, ELECTRICAL
182 PIN

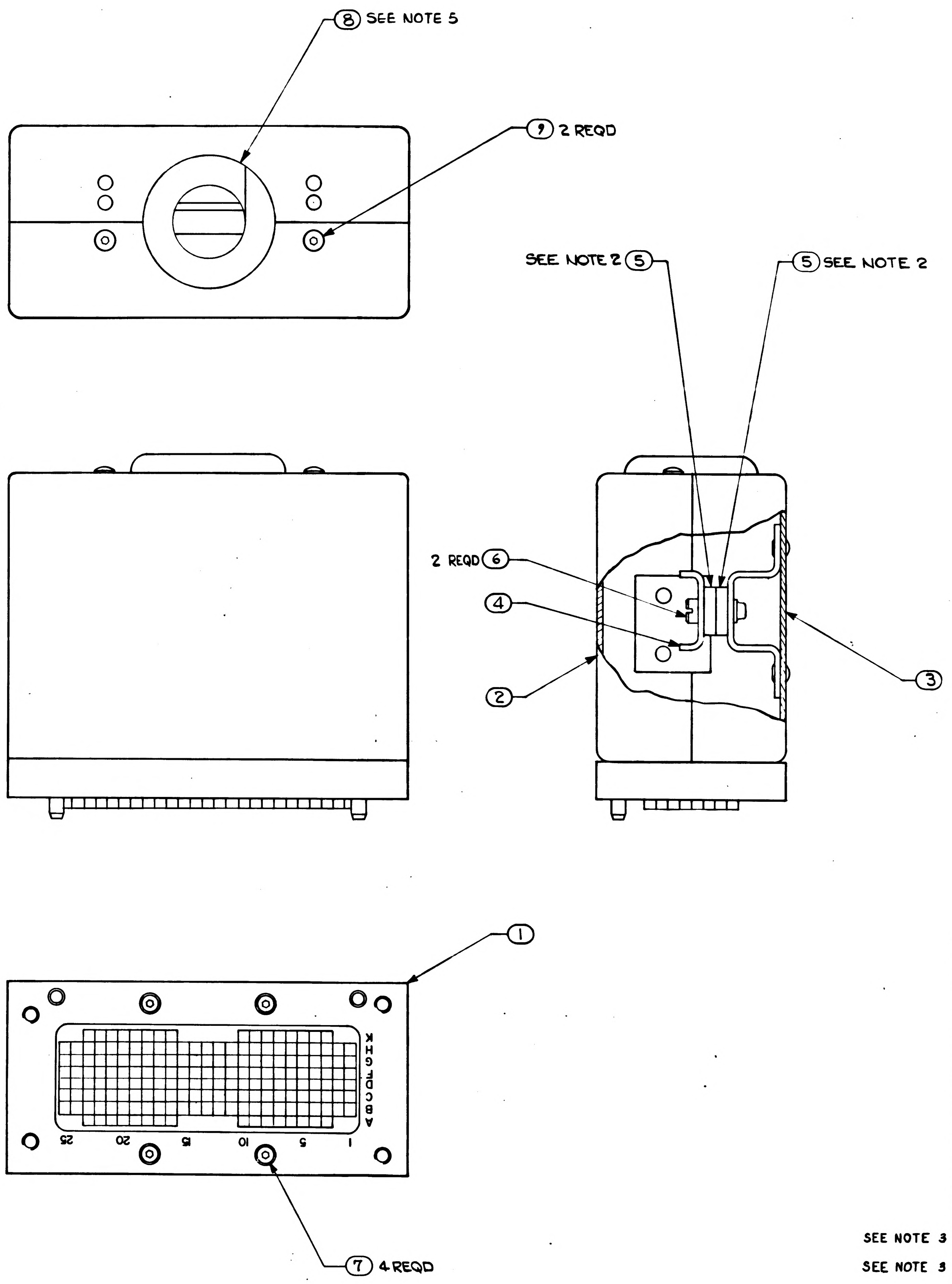
99974 E 2901003

2/1 OF 1

ZONE	LTR	DESCRIPTION	CHG NO	DATE	APPROVED
	A	REVISED PER MXC 210062		17 MAR 66	K CF
	B	INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66	RP EF

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEM ⑤ TO ITEMS ③ AND ④ PER ND 1002151 USING ITEMS ⑩ AND ⑪.
3. VENDOR ITEM, SEE SPECIFICATION CONTROL OR SOURCE CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.



	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	AR		11	MIL-A-25457	ADHESIVE, SILICONE
	AR		10	1010718	PRIMER, ADHESIVE
SEE NOTE 3	2		9	1006783-19	SCREW, BUTTON HD
	1		8	MS35489-20	GROMMET, RUBBER
SEE NOTE 3	4		7	1017418-11	SCREW, CAP, SOC HD
	2		6	2901022-004	SCREW, SHOULDER
	2		5	2900580-004	GASKET
	1		4	2900711-004	CLAMP, MOVABLE
	1		3	2901002	SHELL, CLAMP (INSEP ASSY)
	1		2	2901000	SHELL, COVER (INSEP ASSY)
	1		1	2901004	BASE, CONNECTOR (INSEP ASSY)

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2901083	2901076-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
± ___ ± ___ ± ___

DO NOT SCALE THIS DRAWING

MATERIAL —

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN J. Kilfinger DATE 26 JAN 66
CHECKED J. Stelma 31 JAN 66
APPROVAL V. Goss 31 JAN 66
APPROVAL L. Jelumen 5/3/66
NASA APPROVAL
MIT APPROVAL 5-10-66

MANNED SPACECRAFT CENTER
HOUSTON TEXAS

CONNECTOR, PLUG, ELECTRICAL
182 PIN

CODE IDENT NO 99974
SIZE E
2901005
SCALE 2/1
SHEET OF

31JAN66

2901005

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

2. MATERIAL: AL ALLOY QQ-A-250/8, TEMPER H34 (ES2105, 5052-H34).

3. FINISH: APPLY FINISH P513 OF MIL-F-14072, TO FRONT & EDGES OF PANEL, APPLY MIL-P-8585 PRIMER AND TWO COATS OF TT-E-529 CLASS B SEMI-GLOSS ENAMEL, LIGHT GRAY COLOR 26440 OF FED-STD-595.

4. ALL CORNERS TO BE .005 TO .015 R. OR CHAMFER.

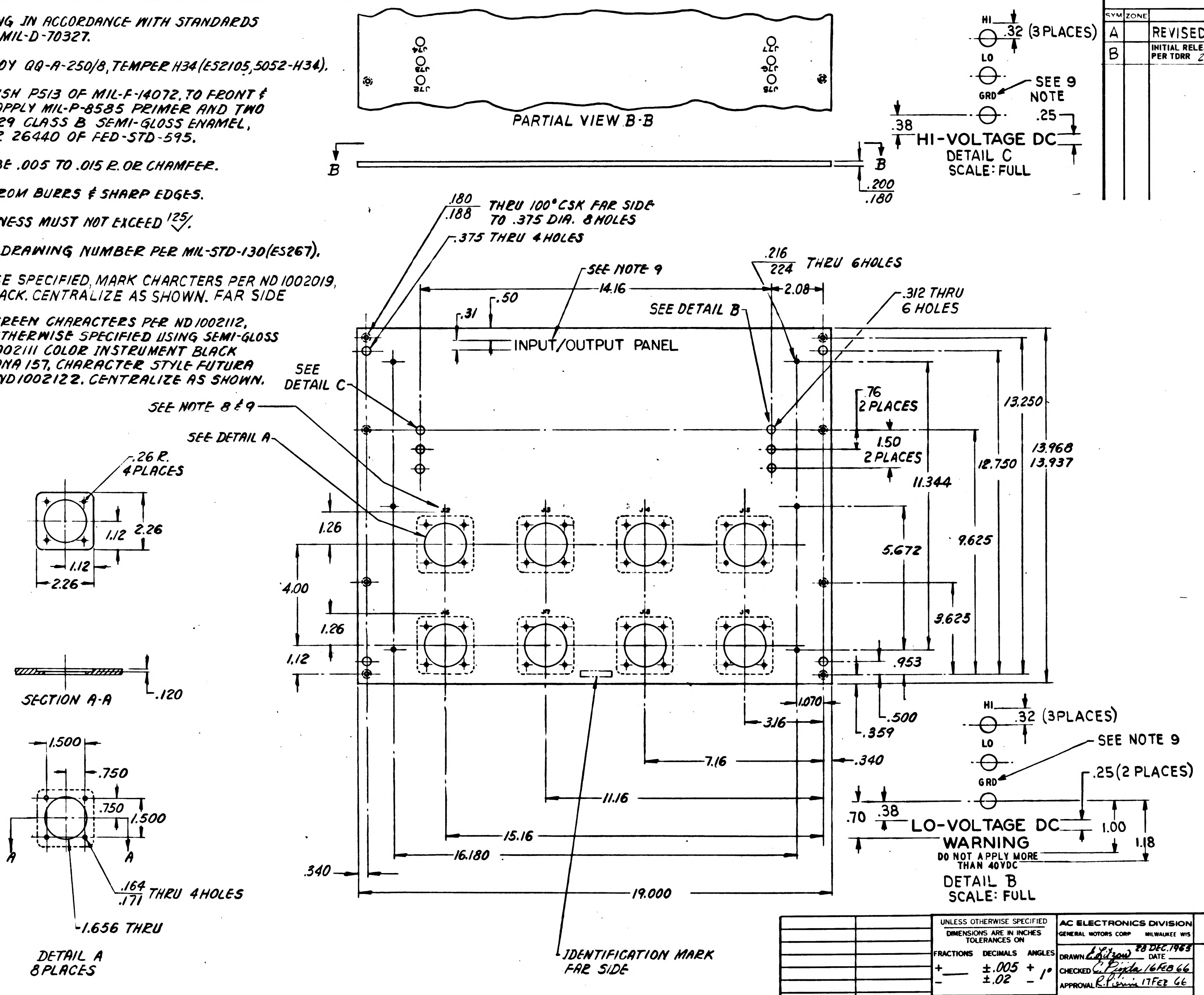
5. MUST BE FREE FROM BURRS & SHARP EDGES.

6. SURFACE ROUGHNESS MUST NOT EXCEED $\sqrt{125}$.

7. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).

8 UNLESS OTHERWISE SPECIFIED, MARK CHARCTERS PER ND 1002019, .12 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN. FAR SIDE

9. MARKING: SILK SCREEN CHARACTERS PER ND 1002112, .12 HIGH UNLESS OTHERWISE SPECIFIED USING SEMI-GLOSS ENAMEL PER ND 1002111 COLOR INSTRUMENT BLACK NUMBER 514 OF ANA 157, CHARACTER STYLE FUTURA DEMI-BOLD PER ND 1002122. CENTRALIZE AS SHOWN.



PARTIAL VIEW B-B
B
B
.200
.180
HI
LO
GRD
.32 (3 PLACES)
SEE 9 NOTE
.38
.25
HI-VOLTAGE DC
DETAIL C
SCALE: FULL
.180
.188
THRU 100° CSK FAR SIDE TO .375 DIA. 8 HOLES
.375 THRU 4 HOLES
SEE NOTE 9
.216
.224
THRU 6 HOLES
.50
.31
14.16
2.08
SEE DETAIL B
.312 THRU 6 HOLES
INPUT/OUTPUT PANEL
SEE DETAIL C
SEE NOTE 8 & 9
SEE DETAIL A
.76 2 PLACES
1.50 2 PLACES
13.250
13.968
13.937
12.750
11.344
9.625
5.672
3.625
.953
1.26
4.00
1.26
1.12
1.070
3.16
.500
.359
.340
7.16
11.16
15.16
16.180
.340
19.000
IDENTIFICATION MARK FAR SIDE
.26 R. 4 PLACES
1.12
2.26
1.12
2.26
SECTION A-A
.120
1.500
.750
.750
1.500
A
A
.164
.171
THRU 4 HOLES
1.656 THRU
DETAIL A 8 PLACES
HI
LO
GRD
.32 (3PLACES)
SEE NOTE 9
.25 (2 PLACES)
.70
.38
LO-VOLTAGE DC
1.00
1.18
WARNING
DO NOT APPLY MORE THAN 40VDC
DETAIL B
SCALE: FULL

REVISIONS

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 211970		28 APR 66	JJJ EF
B		INITIAL RELEASE CLASS A PER TDRR 28659		4 MAY 66	JHP EF

2900926-011	2900926-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON

FRACTIONS	DECIMALS	ANGLES
± ___	±.005 ±.02	± 1°

DO NOT SCALE THIS DRAWING

MATERIAL SEE NOTE 2

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS

DRAWN E. Litzow DATE 28 DEC. 1965
CHECKED C. Pioda 16 FEB 66
APPROVAL R. Pirini 17 FEB 66
APPROVAL
NASA APPROVAL 5/6/66
MIT APPROVAL 5-10-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

PANEL, FRONT
INPUT/OUTPUT ELECTRONICS

CODE IDENT NO. 99974
SIZE D
2901007
SCALE 1:2
SHEET 1 OF 1

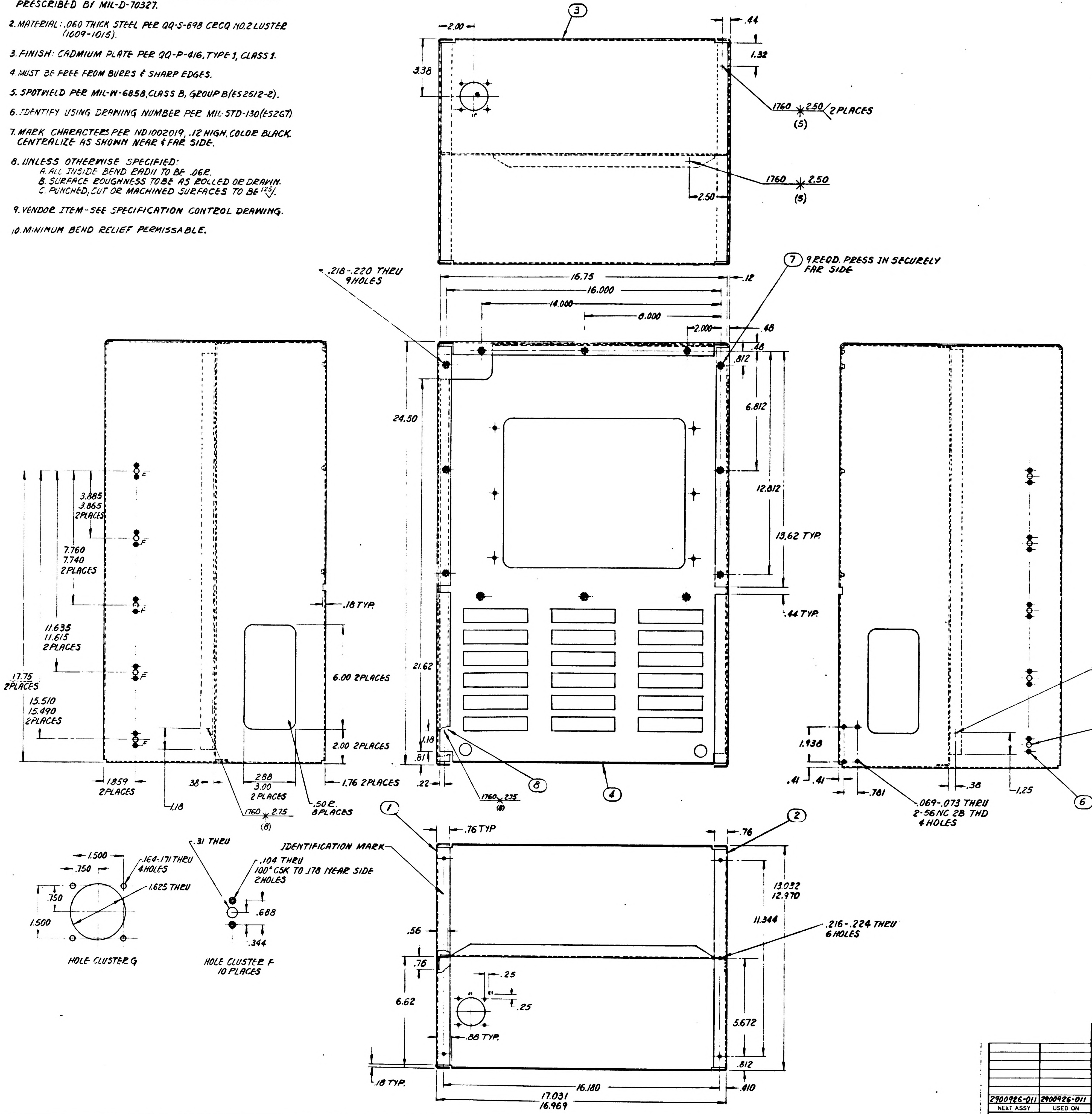
17 FEB 66

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: .060 THICK STEEL PER QQ-S-698 CRCQ NO.2 LUSTER (1009-1015).
3. FINISH: CADMIUM PLATE PER QQ-P-416, TYPE 1, CLASS 1.
4. MUST BE FREE FROM BURRS & SHARP EDGES.
5. SPOTWELD PER MIL-W-6858, CLASS B, GROUP B (ES2512-2).
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).
7. MARK CHARACTERS PER ND1002019, .12 HIGH, COLOR BLACK. CENTRALIZE AS SHOWN NEAR & FAR SIDE.
8. UNLESS OTHERWISE SPECIFIED:
   A. ALL INSIDE BEND RADII TO BE .06R.
   B. SURFACE ROUGHNESS TO BE AS ROLLED OR DRAWN.
   C. PUNCHED, CUT OR MACHINED SURFACES TO BE $^{125}\surd$.
9. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
10. MINIMUM BEND RELIEF PERMISSABLE.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 210996		APR 66	
	B	REVISED PER MXC 211530		2 APR 66	EF
	C	REVISED PER MXC 211471		29 APR 66	
	D	INITIAL RELEASE CLASS A PER TDRR 28639		4 MAY 66	HF EF



3
2.00
.44
1.32
3.38
1760 ✱ 2.50 / 2 PLACES
(5)
1760 ✱ 2.50
(5)
2.50
.218-.220 THRU
9 HOLES
7 9 REQD. PRESS IN SECURELY FAR SIDE
16.75
16.000
14.000
8.000
2.000
.12
.48
.48
.812
6.812
12.812
13.62 TYP.
24.50
21.62
.44 TYP.
.18 TYP.
3.885
3.865
2 PLACES
7.760
7.740
2 PLACES
11.635
11.615
2 PLACES
17.75
2 PLACES
15.510
15.490
2 PLACES
6.00 2 PLACES
2.00 2 PLACES
1.76 2 PLACES
1.859
2 PLACES
.38
1.18
2.88
3.00
2 PLACES
.50 R.
8 PLACES
1760 ✱ 2.75
(8)
1.18
.81
.22
1760 ✱ 2.75
(8)
8
4
1760 ✱ 3.00
(8)
5 10 REQD.
6 20 REQD.
1.938
.41
.41
.781
.38
1.25
.069-.073 THRU
2-56NC 2B THD
4 HOLES
1
.76 TYP
2
.76
IDENTIFICATION MARK
13.032
12.970
11.344
.216-.224 THRU
6 HOLES
.56
.76
.25
.25
6.62
5.672
.88 TYP.
.812
.18 TYP.
.410
16.180
17.031
16.969
1.500
.750
.164-.171 THRU
4 HOLES
1.625 THRU
.750
1.500
HOLE CLUSTER G
.31 THRU
.104 THRU
100° CSK TO .178 NEAR SIDE
2 HOLES
.688
.344
HOLE CLUSTER F
10 PLACES

	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	8	1	2901009-005	CHASSIS SUPPORT
SEE NOTE 9	7	12	1015843-6	NUT-CLINCH, SELF LOCKING
	6	20	AN124971	RIVET-100° FLAT HD.
SEE NOTE 9	5	10	1015798-010	NUT ANCHOR
SEE NOTE 2	4	1	2901009-004	PANEL CHASSIS
SEE NOTE 2	3	1	2901009-003	PANEL REAR
SEE NOTE 2	2	1	2901009-002	PANEL R.H.
SEE NOTE 2	1	1	2901009-001	PANEL L.H.

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900926-011	2900926-011

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± 2°
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL 17 FEB 66

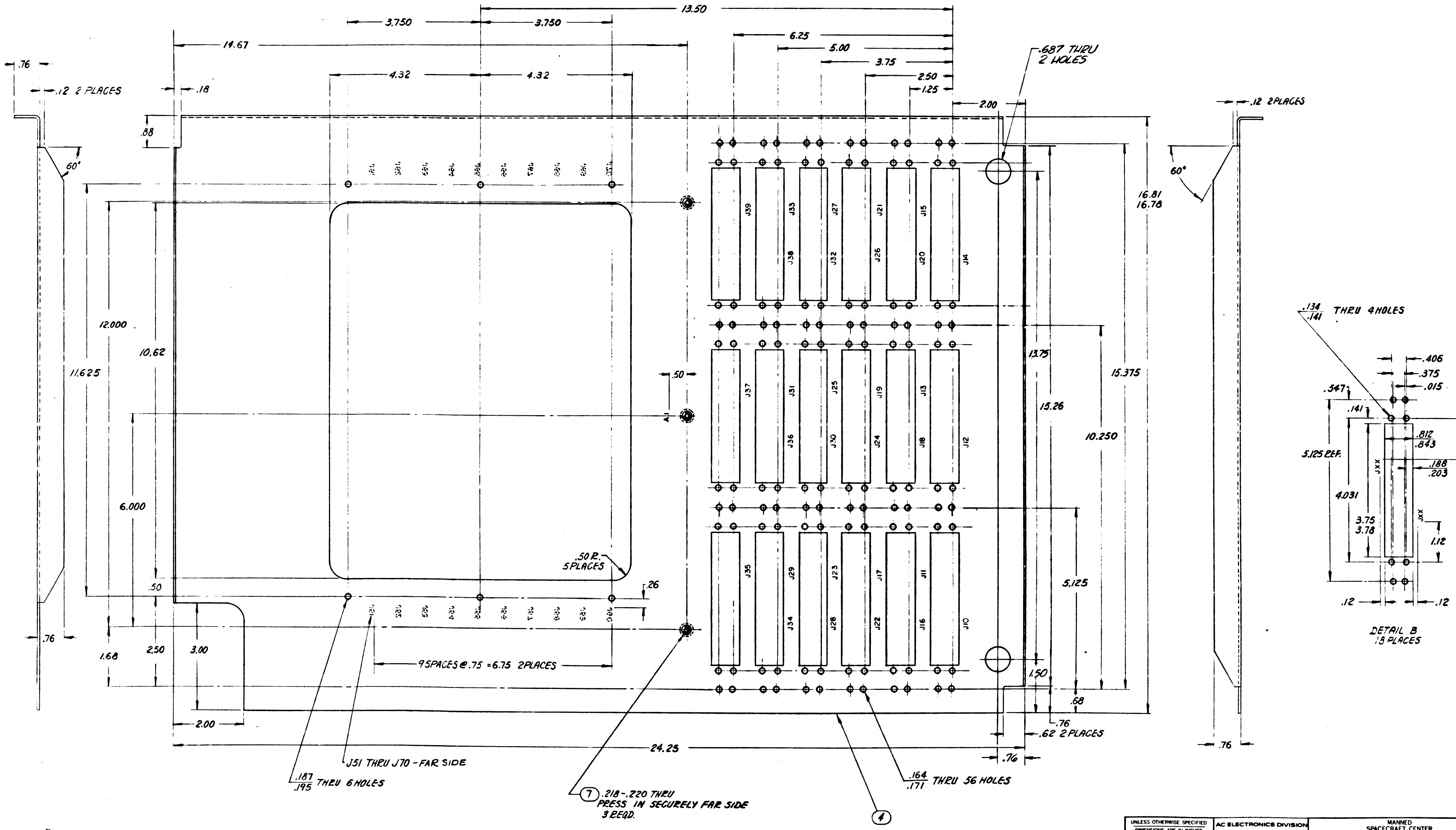
AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN [illegible] DATE 4 [illegible] 966
CHECKED C. [illegible] 16 FEB 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CHASSIS ELECTRICAL EQUIPMENT
INPUT/OUTPUT ELECTRONICS
(INSEPARABLE ASSEMBLY)

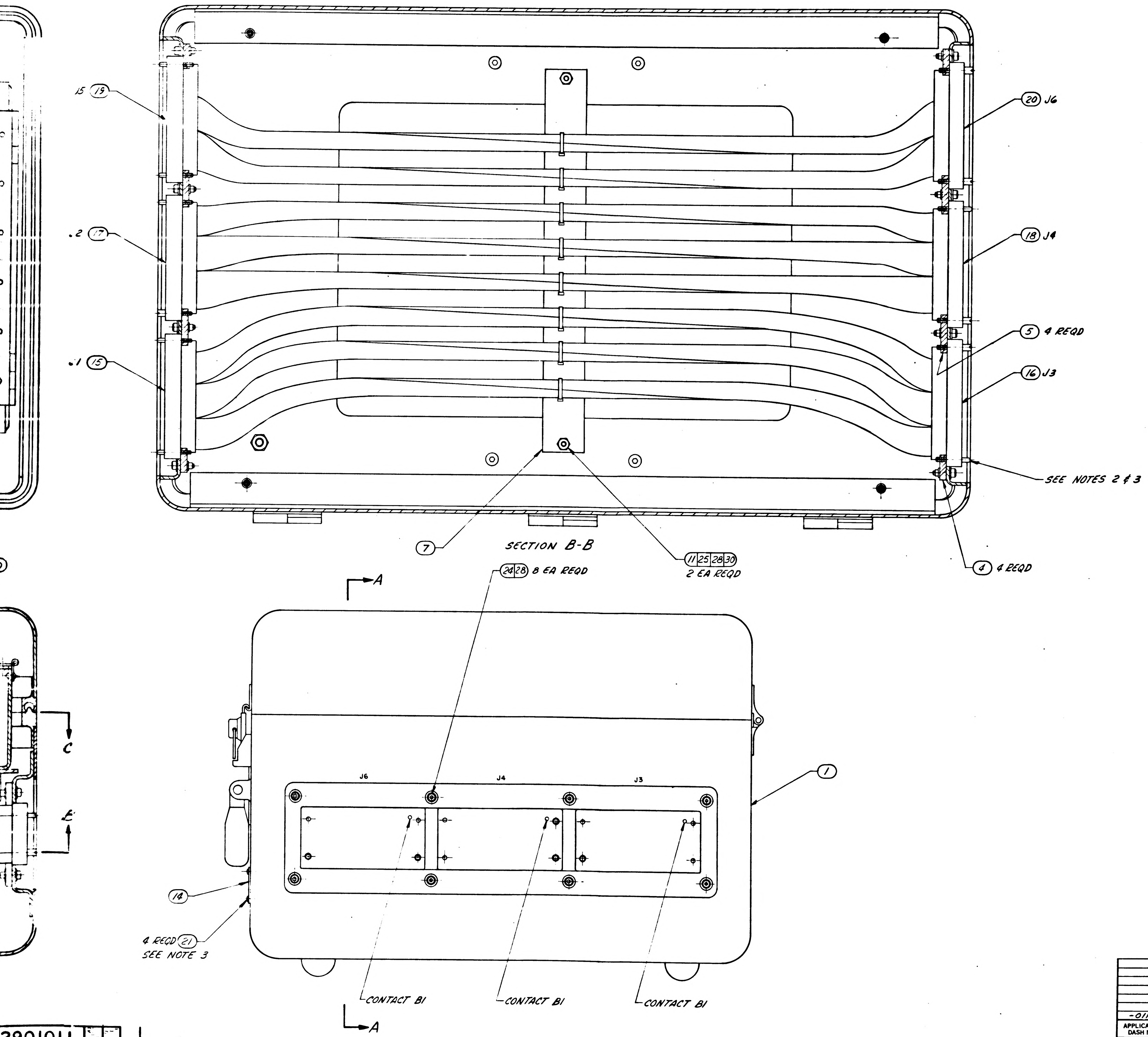
SIZE E
CODE IDENT NO. 99974
2901009
SCALE 1:2
SHEET 1 OF 2

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISION STATUS CHANGED		11 APR 66	
	B	REVISION STATUS CHANGED		21 APR 66	JJJ EF
	C	REVISED PER MXC 211971		29 APR 66	Y.M.
	D	INITIAL RELEASE CLASS A PER TDRR 28659		4 MAY 66	JHP EF


13.50
3.750
3.750
14.67
6.25
5.00
3.75
2.50
1.25
4.32
4.32
.687 THRU
2 HOLES
.76
.12 2 PLACES
.18
2.00
.12 2 PLACES
.88
60°
60°
16.81
16.78
12.000
10.62
11.625
.50
A
13.75
15.375
15.26
10.250
6.000
.50 R.
5 PLACES
.50
.26
5.125
1.50
.68
.76
.62 2 PLACES
.76
1.68
2.50
3.00
9 SPACES @ .75 = 6.75 2 PLACES
2.00
24.25
.76
.76
J51 THRU J70 - FAR SIDE
.187
.195 THRU 6 HOLES
7 .218-.220 THRU
PRESS IN SECURELY FAR SIDE
3 REQD.
4
.164
.171 THRU 56 HOLES
J39
J38
J33
J32
J27
J26
J21
J20
J15
J14
J37
J36
J31
J30
J25
J24
J19
J18
J13
J12
J35
J34
J29
J28
J23
J22
J17
J16
J11
J10
.134
.141 THRU 4 HOLES
.406
.375
.015
.547
.141
.812
.843
1.12
5.125 REF.
.188
.203
JXX
4.031
3.75
3.78
JXX
1.12
.12
.12
DETAIL B
18 PLACES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS + − DECIMALS + − ANGLES + −	AC ELECTRONICS DIVISION GENERAL MOTORS CORP MILWAUKEE WIS	MANNED SPACECRAFT CENTER HOUSTON, TEXAS
DO NOT SCALE THIS DRAWING	DRAWN L. Litzow DATE 27 DEC. 1965 CHECKED C. Pioyda 16 FEB 66 APPROVAL E. Kurin 17 FEB 66 APPROVAL	CHASSIS ELECTRICAL EQUIPMENT INPUT/OUTPUT ELECTRONICS (INSEPARABLE ASSEMBLY)
MATERIAL	NASA APPROVAL	CODE IDENT NO. 99974 · SIZE E · 2901009
CONTRACT NAS9-497	MIT APPROVAL	SCALE 1:1 · SHEET 2 OF 2

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
D		REPLACES REV C WITH CHANGE PER MXC 211049		18 APR 66	PHG
E		REVISED PER MXC 211972		29 MAR 66	EF
F		INITIAL RELEASE CLASS A PER TDRR 8579		2 MAY 66	EF



				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
				AR		35	MIL-S-22473 GRADE H	SEALING & RET. COMP (ES2544-5)
SEE NOTE 4				1		34	2901525-021	LEAD, TEST, PATHBOARD
SEE NOTE 4				1		33	2901525-011	LEAD, TEST, PATCHBOARD
SEE NOTE 4				408		32	1897402-001	PLUG, SHUNTING
				2		31	MS35690-410	NUT, HEX
SEE NOTE 4				2		30	1016151-006	NUT, SELF LOCKING
				2		29	AN960C416 (1897006-042)	WASHER, FLAT
				18		28	AN960C6 (1897006-026)	WASHER, FLAT
				2		27	MS35338-82	WASHER, LOCK
				10		26	MS35338-81	WASHER, LOCK
				2		25	MS35216-33	SCREW, PAN HD
SEE NOTE 4				16		24	1017418-14	SCREW, CAP, SOCKET HD
				4		23	1006783-44	SCREW, BUTTON HD
				6		22	1006783-37	SCREW, BUTTON HD
SEE NOTE 4				4		21	1006783-9	SCREW, BUTTON HD
				1		20	2901233	WIRING HARNESS F
				1		19	2901232	E
				1		18	2901230	D
				1		17	2901229	C
				1		16	2901224	B
				1		15	2901223	WIRING HARNESS A
				1		14	1004260-506	NAMEPLATE
SEE NOTE 4				8		13	1897407-001	RETAINER, CABLE STRAP
				8		12	1897406-005	STRAP, CABLE, ADJUSTABLE
				2		11	1015860-005	SPACER
				1		10	1897412-001	FASTENER, POSITIVE LOCK
				1		9	1017423-1	NUT, THUMB, KNURLED
SEE NOTE 4				2		8	1016068-003	HANDLE
				1		7	2901197	SUPPORT, CABLE
				1		6	2901196	STUD, SHOULDERED
				4		5	2901195	PLATE, MTG, ELEC. CONN
				4		4	2901194	PLATE, MTG, ELEC. CONN
				1		3	2901191	PATCHBOARD
				1		2	2901189	PLATE, MTG, PATCHBOARD
				1		1	2901188	CASE, CABLE ADAPTER

QUANTITY REQUIRED
LIST OF PARTS AND MATERIALS

APPLICABLE DASH NO.	NEXT ASSY	USED ON
-011	2901075-011	2000??

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN C.M. Kulp DATE 16 DEC 65
CHECKED
APPROVAL Zehman 3/6/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ADAPTER
BREAKOUT BOX
ASSEMBLY

SIZE J
CODE IDENT NO. 99974
2901011
SCALE FULL
SHEET 1 OF 1

4APR66

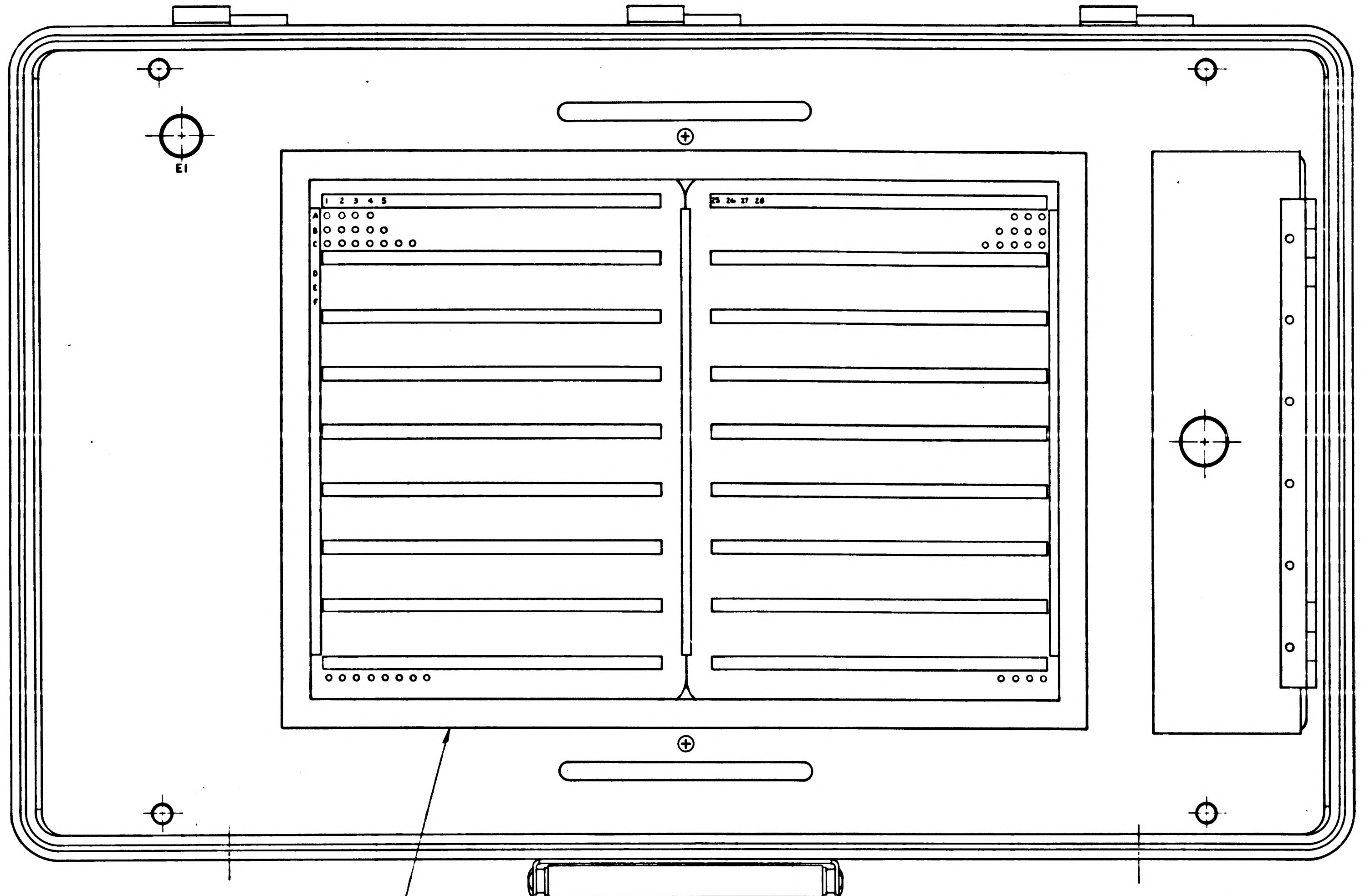
2901011 F

27 2901011

NOTES:

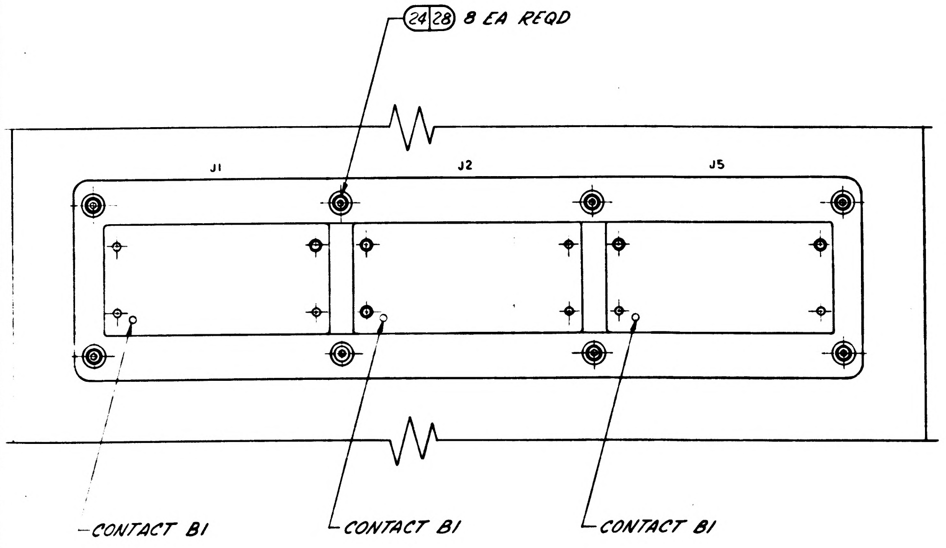
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. DISCARD EXISTING NUTS AND WASHERS AND FASTEN GUIDES OF CONNECTORS J1 THRU J6 INTO TAPPED HOLES IN ITEMS (4) AND (5).
3. SECURE ITEM (21) AND GUIDES OF CONNECTORS J1 THRU J6 USING ITEM (35).
4. VENDOR ITEM—SEE SPECIFICATION CONTROL DRAWING.
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM (14) IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
6. THE FOLLOWING ARE A PART OF THIS ASSEMBLY:

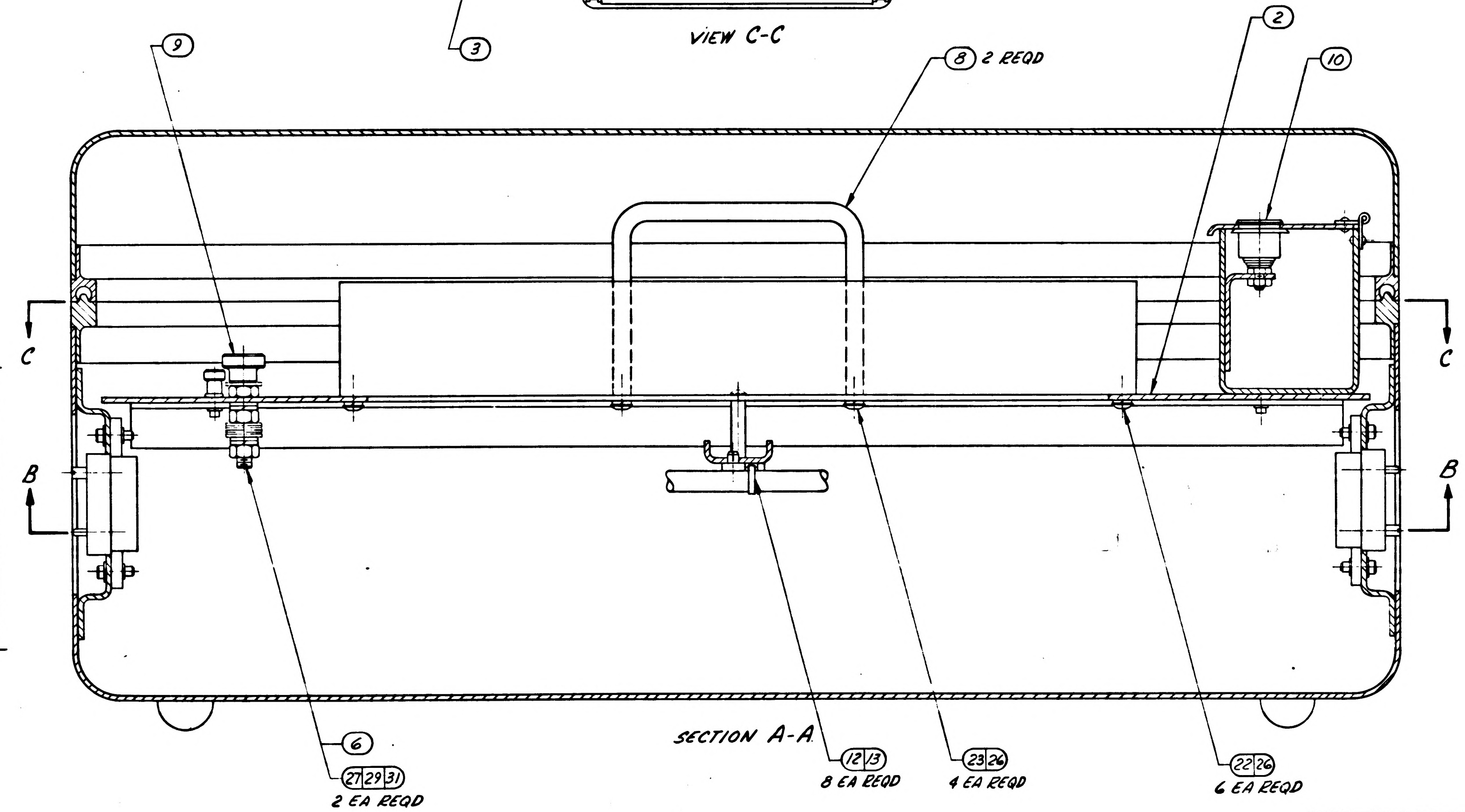
PLUG, SHUNTING	(32)	408 REQD
LEAD, TEST	(33)	
LEAD, TEST	(34)	


E1
1 2 3 4 5
25 26 27 28
A
B
C
D
E
F

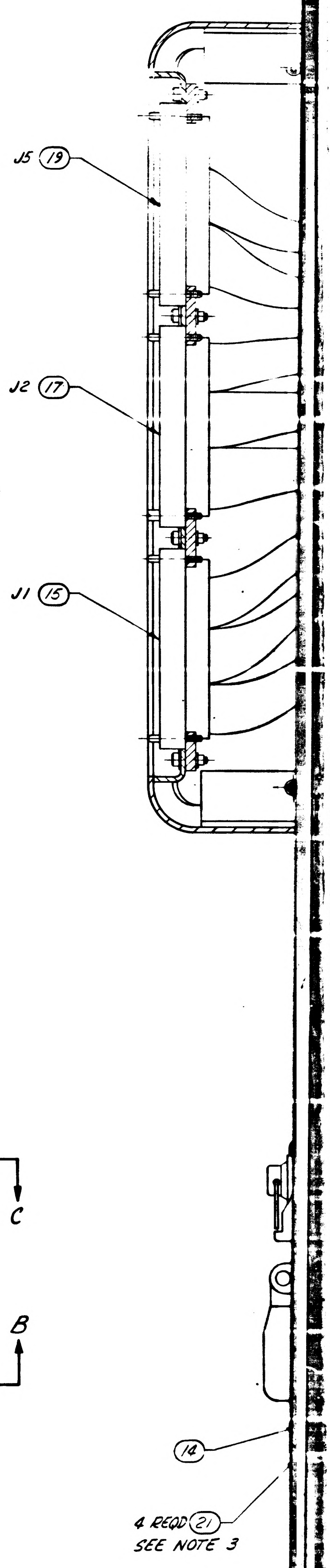
(3)

VIEW C-C


(24)(28) 8 EA REQD
J1
J2
J5
CONTACT B1
CONTACT B1
CONTACT B1


(9)
(8) 2 REQD
(2)
(10)
C
C
B
B
(6)
(27)(29)(31) 2 EA REQD
(12)(13) 8 EA REQD
(23)(26) 4 EA REQD
(22)(26) 6 EA REQD

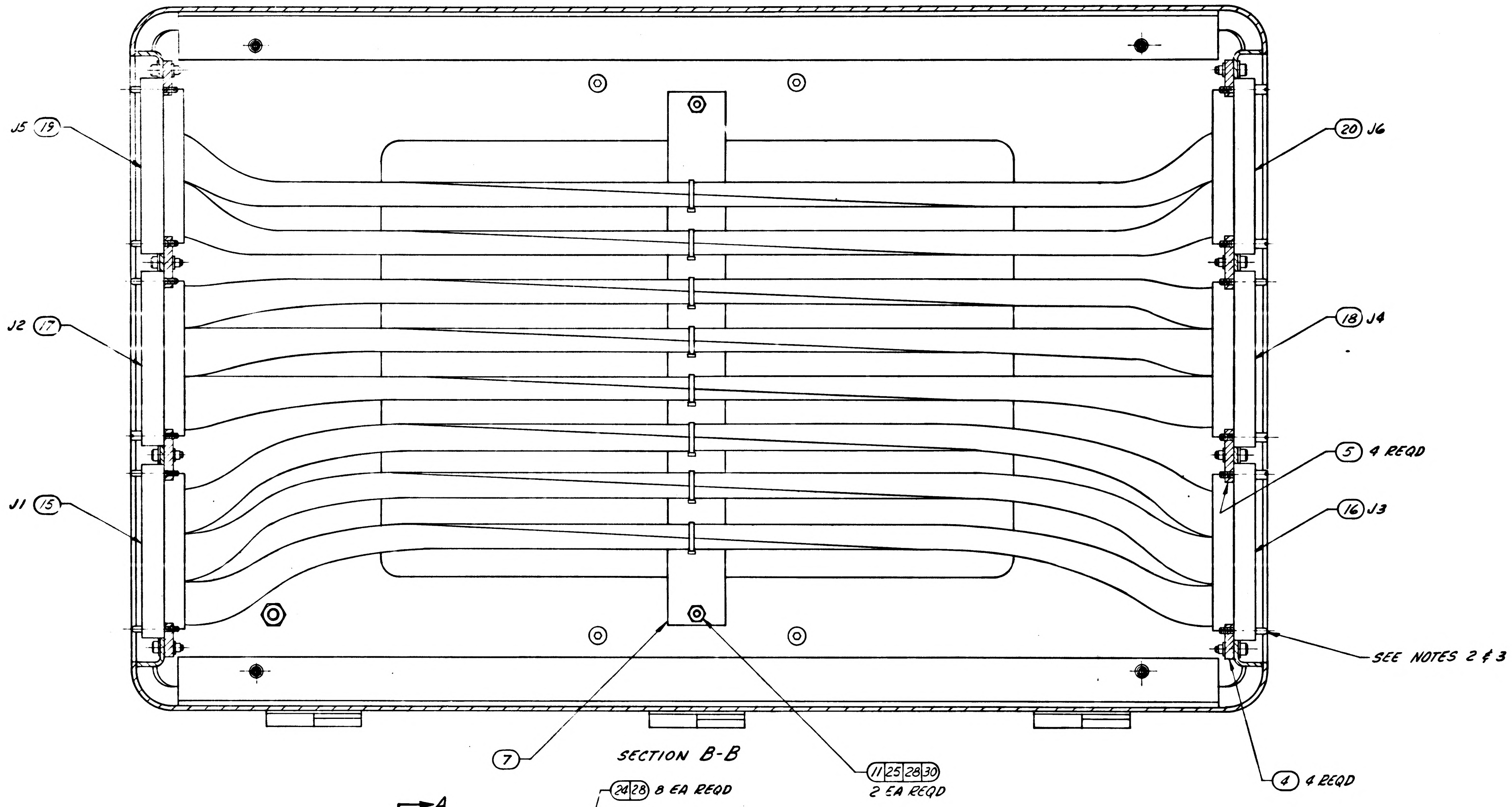
SECTION A-A


J5 (19)
J2 (17)
J1 (15)
(14)
4 REQD (21)
SEE NOTE 3

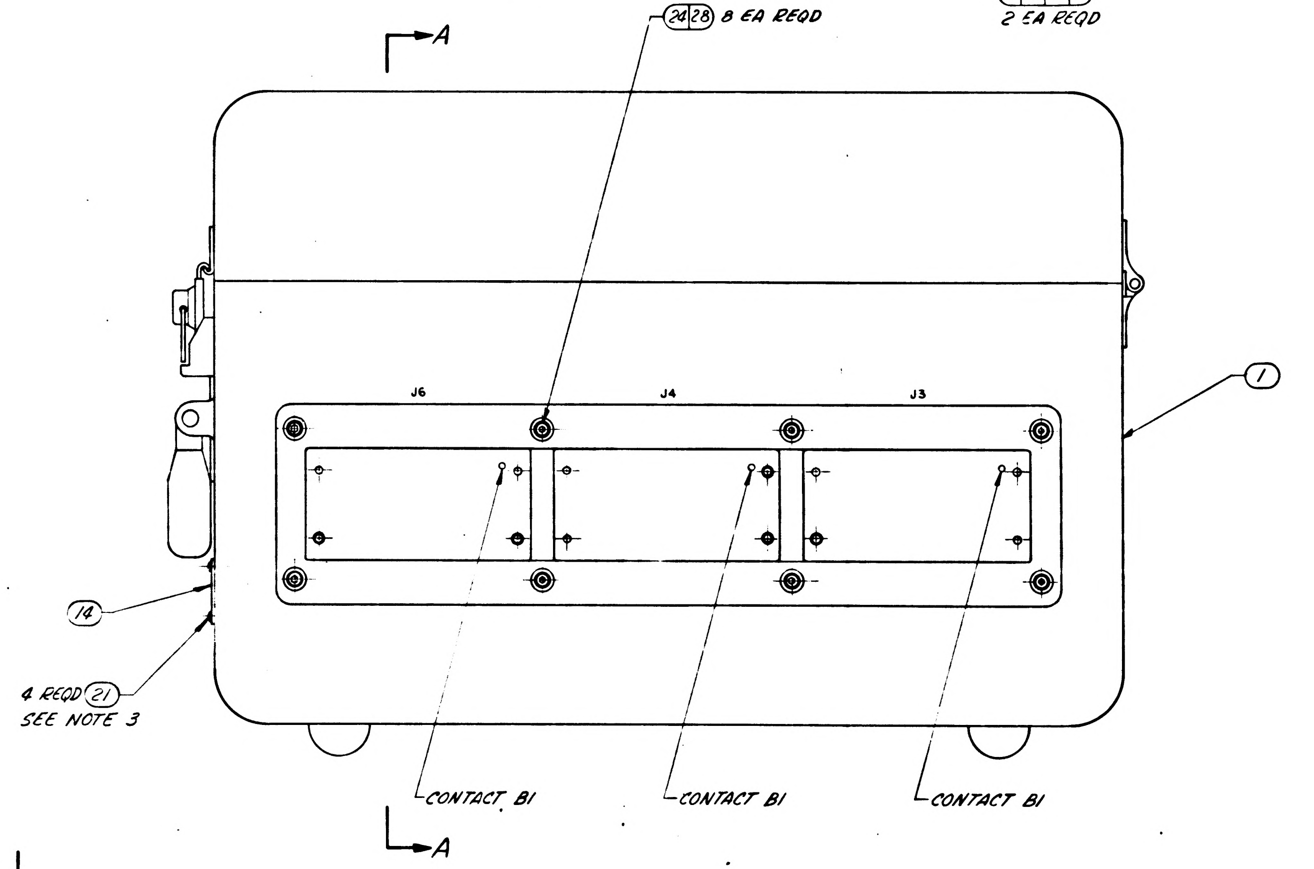
2901011 REV F SH 1

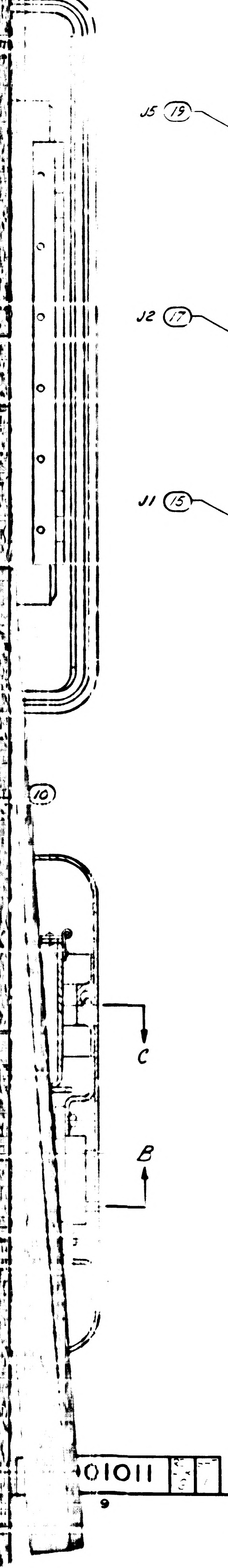
1/2901011

SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
REVISIONS					
D		REPLACES REV C WITH CHANGE PER MXC 211049		18 APR 66	PHG
E		REVISED PER MXC211972		29 MAR 66	DHO ET
F		INITIAL RELEASE CLASS A PER TDRR 23579		2 MAY 66	RP ET
G		REVISED PER TDRR 29418		14 JUN 66	3



SECTION B-B





	QUANTITY REQUIRED 011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	1		36	2901534	CABLE ASSEMBLY, ELEC.
	AR		35	MIL-S-22473 GRADE H	SEALING & RET. COMP (ES2544-5)
SEE NOTE 4	1		34	2901525-021	LEAD, TEST, PATHBOARD
SEE NOTE 4	1		33	2901525-011	LEAD, TEST, PATCHBOARD
SEE NOTE 4	408		32	1897402-001	PLUG, SHUNTING
	2		31	MS35690-410	NUT, HEX
SEE NOTE 4	2		30	1016151-006	NUT, SELF LOCKING
	2		29	AN960C416 (1897006-042)	WASHER, FLAT
	18		28	AN960C6 (1897006-026)	WASHER, FLAT
	2		27	MS35338-82	WASHER, LOCK
	10		26	MS35338-81	WASHER, LOCK
	2		25	MS35216-33	SCREW, PAN HD
SEE NOTE 4	16		24	1017418-14	SCREW, CAP, SOCKET HD
	4		23	1006783-44	SCREW, BUTTON HD
	6		22	1006783-37	SCREW, BUTTON HD
SEE NOTE 4	4		21	1006783-9	SCREW, BUTTON HD
	1		20	2901233	WIRING HARNESS F
	1		19	2901232	E
	1		18	2901230	D
	1		17	2901229	C
	1		16	2901224	B
	1		15	2901223	WIRING HARNESS A
	1		14	1004260-506	NAMEPLATE
SEE NOTE 4	8		13	1897407-001	RETAINER, CABLE STRAP
	8		12	1897406-005	STRAP, CABLE, ADJUSTABLE
	2		11	1015860-005	SPACER
	1		10	1897412-001	FASTENER, POSITIVE LOCK
	1		9	1017423-1	NUT, THUMB, KNURLED
SEE NOTE 4	2		8	1016068-003	HANDLE
	1		7	2901197	SUPPORT, CABLE
	1		6	2901196	STUD, SHOULDERED
	4		5	2901195	PLATE, MTG, ELEC, CONN
	4		4	2901194	PLATE, MTG, ELEC, CONN
	1		3	2901191	PATCHBOARD
	1		2	2901189	PLATE, MTG, PATCHBOARD
	1		1	2901188	CASE, CABLE ADAPTER

LIST OF PARTS AND MATERIALS

APPLICABLE DASH NO.	NEXT ASSY	USED ON
-011	2901075-011	900030

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN C.M. Kulp DATE 16 DEC 65
CHECKED
APPROVAL Zehrman 1/3/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ADAPTER
BREAKOUT BOX
ASSEMBLY

SIZE J
CODE IDENT NO. 99974
2901011
SCALE FULL
SHEET 1 OF 1

4APR66

2901011

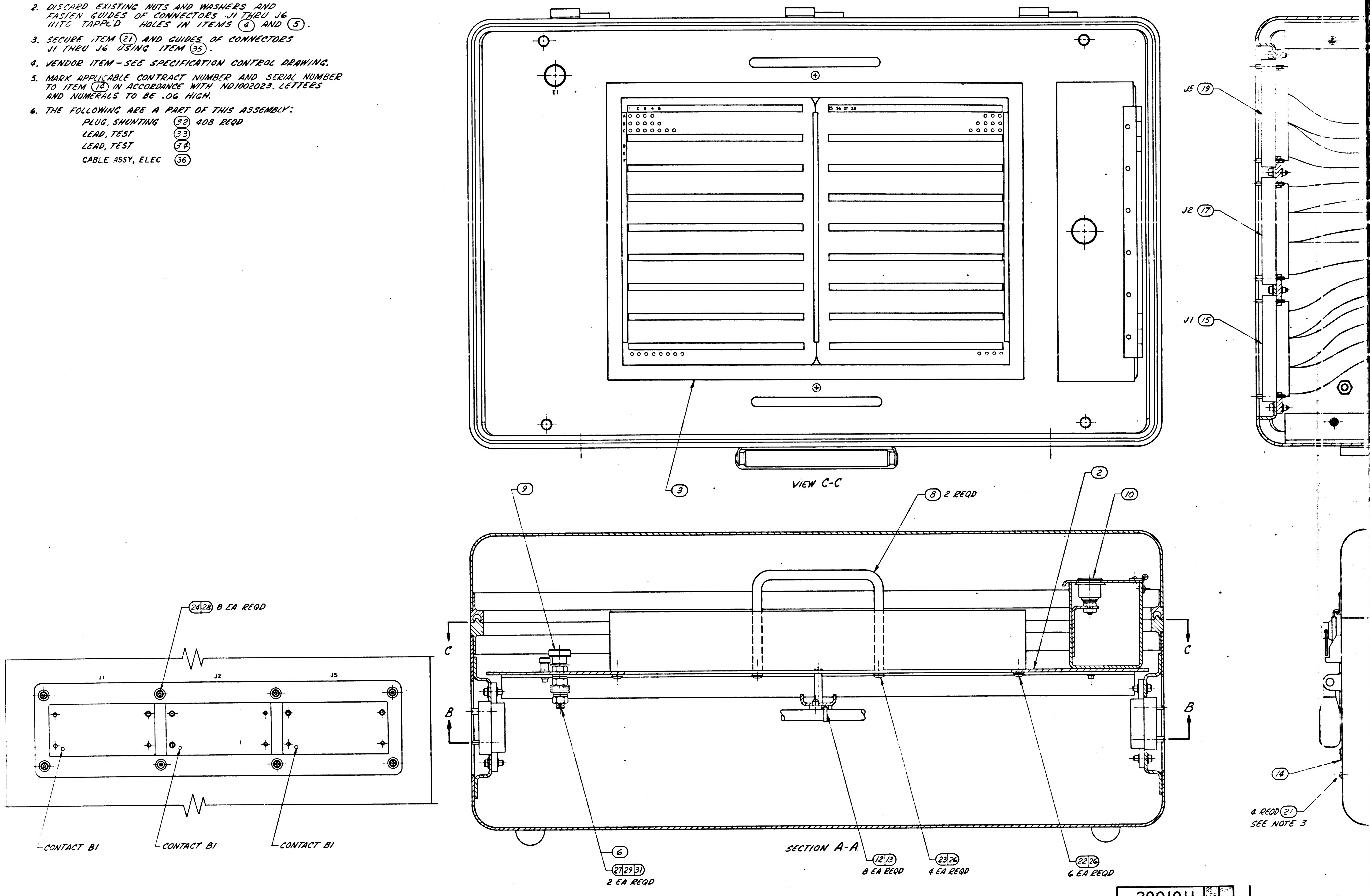
2901011

2/2901011

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. DISCARD EXISTING NUTS AND WASHERS AND FASTEN GUIDES OF CONNECTORS J1 THRU J6 INTO TAPPED HOLES IN ITEMS ④ AND ⑤.
3. SECURE ITEM ㉑ AND GUIDES OF CONNECTORS J1 THRU J6 USING ITEM ㉟.
4. VENDOR ITEM—SEE SPECIFICATION CONTROL DRAWING.
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM ⑭ IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
6. THE FOLLOWING ARE A PART OF THIS ASSEMBLY:

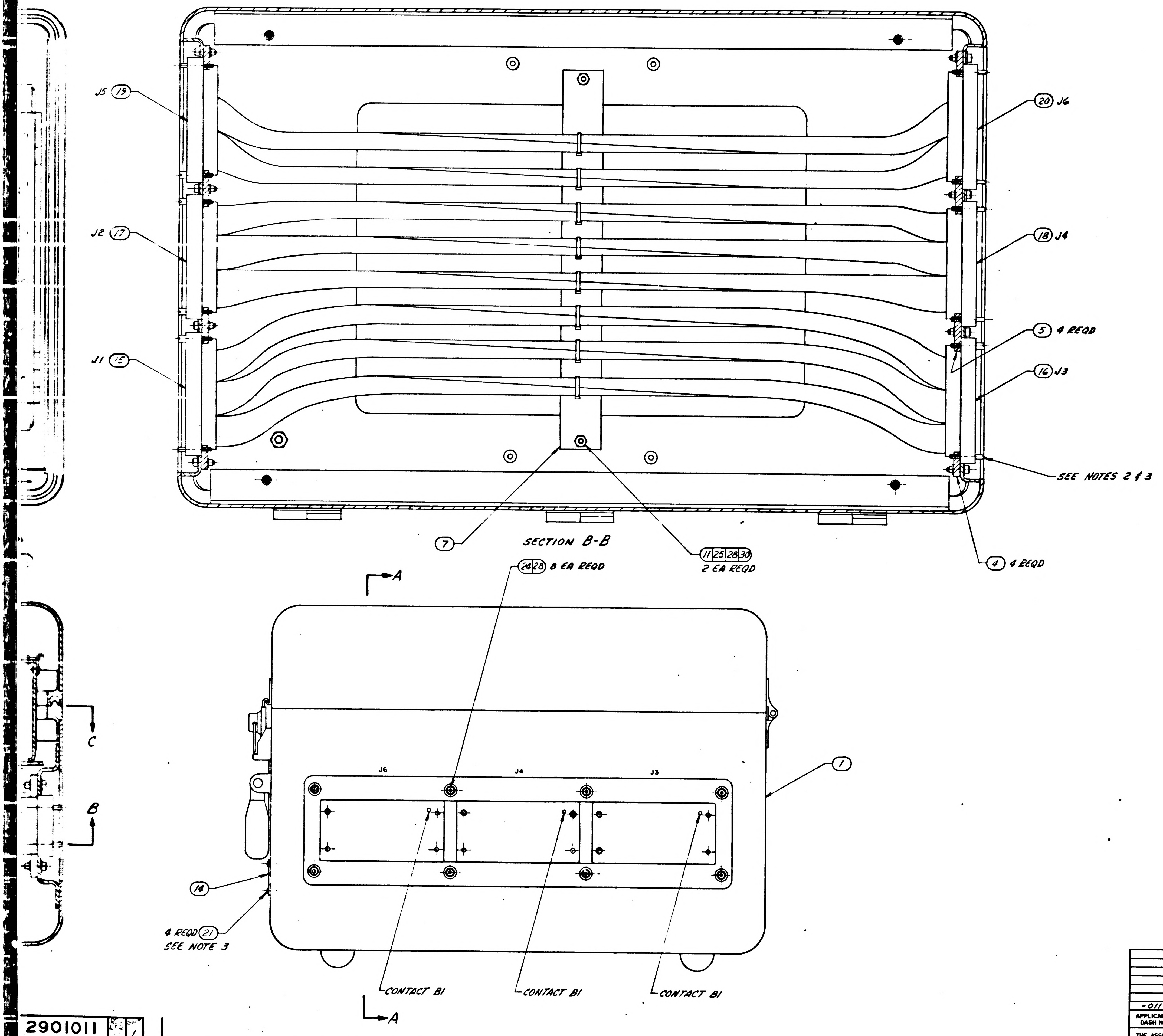
PLUG, SHUNTING	㉜	408 REQD
LEAD, TEST	㉝	
LEAD, TEST	㉞	
CABLE ASSY, ELEC	㊱	



E1
VIEW C-C
③
J5 ⑲
J2 ⑰
J1 ⑮
⑨
⑧ 2 REQD
②
⑩
C
C
B
B
SECTION A-A
⑥
27 29 31 2 EA REQD
12 13 8 EA REQD
23 24 4 EA REQD
22 26 6 EA REQD
⑭
4 REQD ㉑ SEE NOTE 3
24 28 8 EA REQD
J1
J2
J5
CONTACT B1
CONTACT B1
CONTACT B1

	REV LTR	SHT
2901011	G	1

REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
D		REPLACES REV C WITH CHANGE PER MXC 211049		18 APR 66	PHG
E		REVISED PER MXC 211972		29 MAR 66	DKO EF
Ⓜ F		INITIAL RELEASE CLASS A PER TDRR 23579		2 MAY 66	RP EF
Ⓗ G		REVISED PER TDRR 29418		14 JUN 66	B.
H		REVISED PER TDRR 30229		AUG 66	W.A.B. RLW



				1		36	2901534	CABLE ASSEMBLY, ELEC.
				AR		35	MIL-S-22473 GRADE H	SEALING & RET. COMP (ES2594-5
SEE NOTE 4				1		34	2901525-021	LEAD, TEST, PATHBOARD
SEE NOTE 4				1		33	2901525-011	LEAD, TEST, PATCHBOARD
SEE NOTE 4				408		32	1897402-001	PLUG, SHUNTING
				2		31	MS35690-410	NUT, HEX
SEE NOTE 4				2		30	1016151-006	NUT, SELF LOCKING
				2		29	AN960C416 (1897006-042)	WASHER, FLAT
				18		28	AN960C6 (1897006-026)	WASHER, FLAT
				2		27	MS35338-82	WASHER, LOCK
				10		26	MS35338-81	WASHER, LOCK
				2		25	MS35216-33	SCREW, PAN HD
SEE NOTE 4				16		24	1017418-14	SCREW, CAP, SOCKET HD
				4		23	1006783-44	SCREW, BUTTON HD
				6		22	1006783-37	SCREW, BUTTON HD
SEE NOTE 4				4		21	1006783-9	SCREW, BUTTON HD
				1		20	2901233	WIRING HARNESS F
				1		19	2901232	E
				1		18	2901230	D
				1		17	2901229	C
				1		16	2901224	B
				1		15	2901223	WIRING HARNESS A
				1		14	1004260-506	NAMEPLATE
SEE NOTE 4				8		13	1897407-001	RETAINER, CABLE STRAP
				8		12	1897406-005	STRAP, CABLE, ADJUSTABLE
				2		11	1015860-005	SPACER
				1		10	1897412-001	FASTENER, POSITIVE LOCK
				1		9	1017423-1	NUT, THUMB, KNURLED
SEE NOTE 4				2		8	1016068-003	HANDLE
				1		7	2901197	SUPPORT, CABLE
				1		6	2901196	STUD, SHOULDERED
				4		5	2901195	PLATE, MTG, ELEC, CONN
				4		4	2901194	PLATE, MTG, ELEC, CONN
				1		3	2901191	PATCHBOARD
				1		2	2901189	PLATE, MTG, PATCHBOARD
				1		1	2901188	CASE, CABLE ADAPTER
				011	EFFEC-TIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS	

2901011

-011	2901075-011	900030
APPLICABLE DASH NO.	NEXT ASSY	USED ON
	APPLICATION	

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± 3 PLACE DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN C.M. Kulp DATE 16 DEC 65
CHECKED
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ADAPTER
BREAKOUT BOX
ASSEMBLY

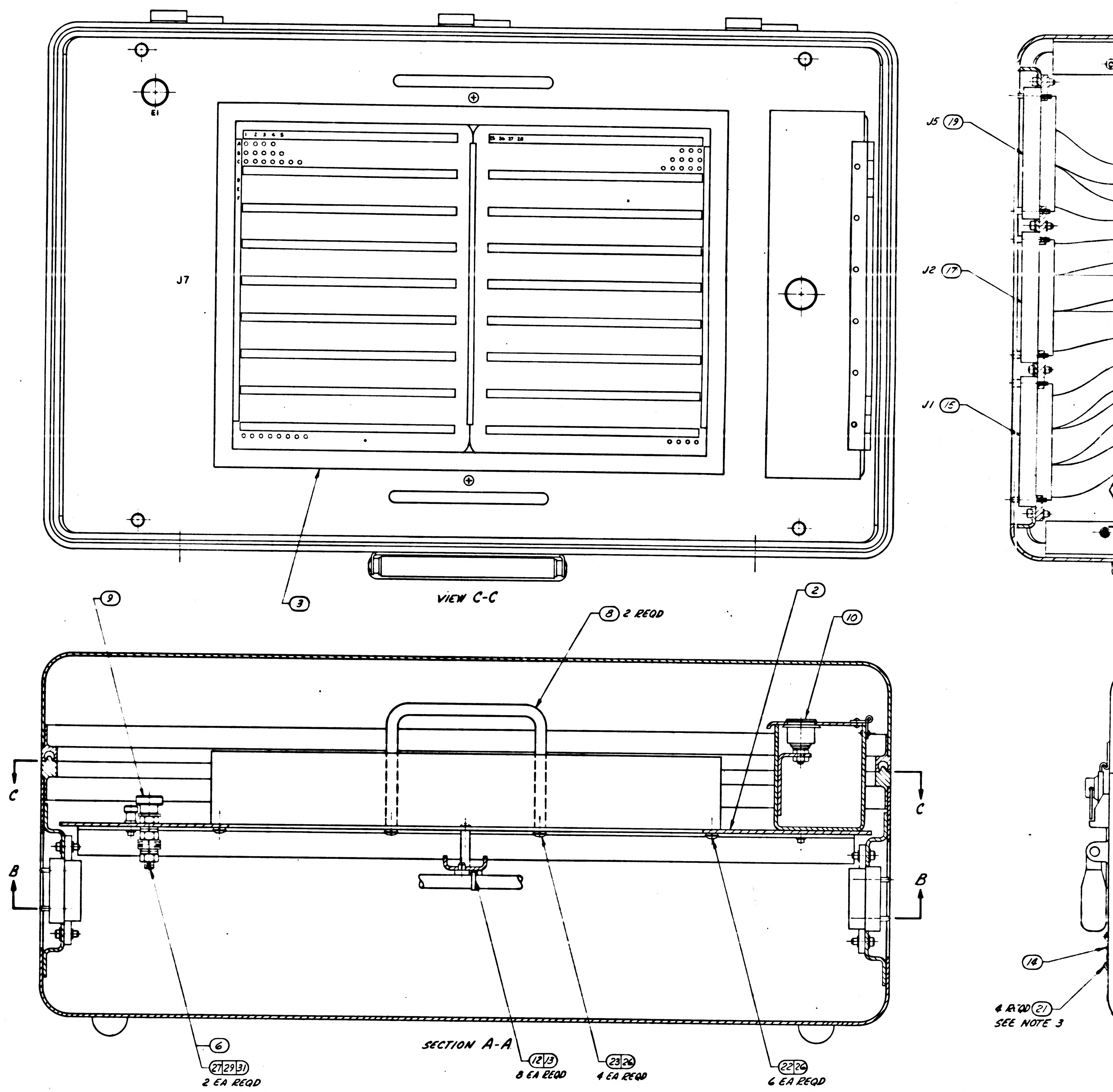
SIZE J
CODE IDENT NO. 99974
2901011
SCALE FULL
SHEET 1 OF 1

2901011

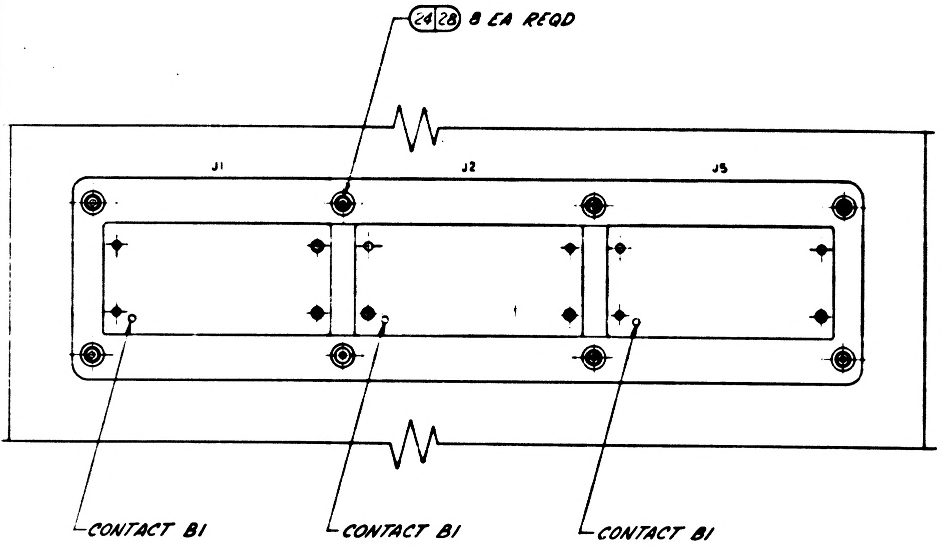
2/2901011

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. DISCARD EXISTING NUTS AND WASHERS AND FASTEN GUIDES OF CONNECTORS J1 THRU J6 INTO TAPPED HOLES IN ITEMS ④ AND ⑤.
3. SECURE ITEM ㉑ AND GUIDES OF CONNECTORS J1 THRU J6 USING ITEM ㉟.
4. VENDOR ITEM—SEE SPECIFICATION CONTROL DRAWING.
5. MARK APPLICABLE CONTRACT NUMBER AND SERIAL NUMBER TO ITEM ⑭ IN ACCORDANCE WITH ND1002023. LETTERS AND NUMERALS TO BE .06 HIGH.
6. THE FOLLOWING ARE A PART OF THIS ASSEMBLY:
   - PLUG, SHUNTING ㉜ 408 REQD
   - LEAD, TEST ㉝
   - LEAD, TEST ㉞
   - CABLE ASSY, ELEC ㊱



J7
E1
J5 ⑲
J2 ⑰
J1 ⑮
③
VIEW C-C
⑨
⑧ 2 REQD
②
⑩
C
C
B
B
⑭
4 REQD ㉑
SEE NOTE 3
⑥
㉗㉙㉛
2 EA REQD
SECTION A-A
⑫⑬
8 EA REQD
㉓㉖
4 EA REQD
㉒㉖
6 EA REQD



㉔㉘ 8 EA REQD
J1
J2
J5
CONTACT B1
CONTACT B1
CONTACT B1

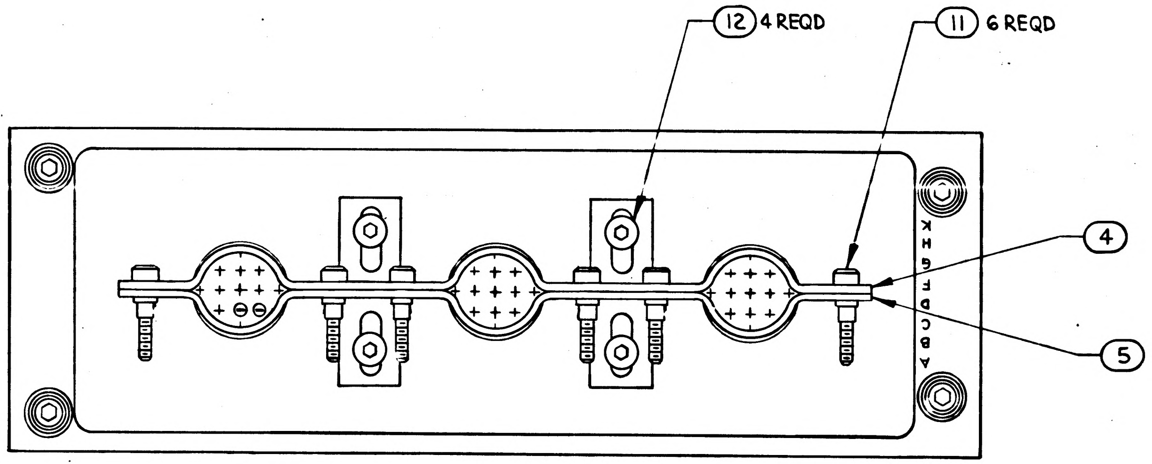
2901011 SHT 1

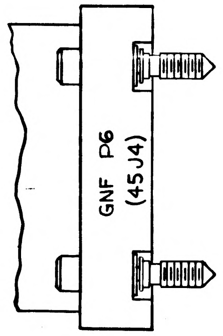
1/2901011

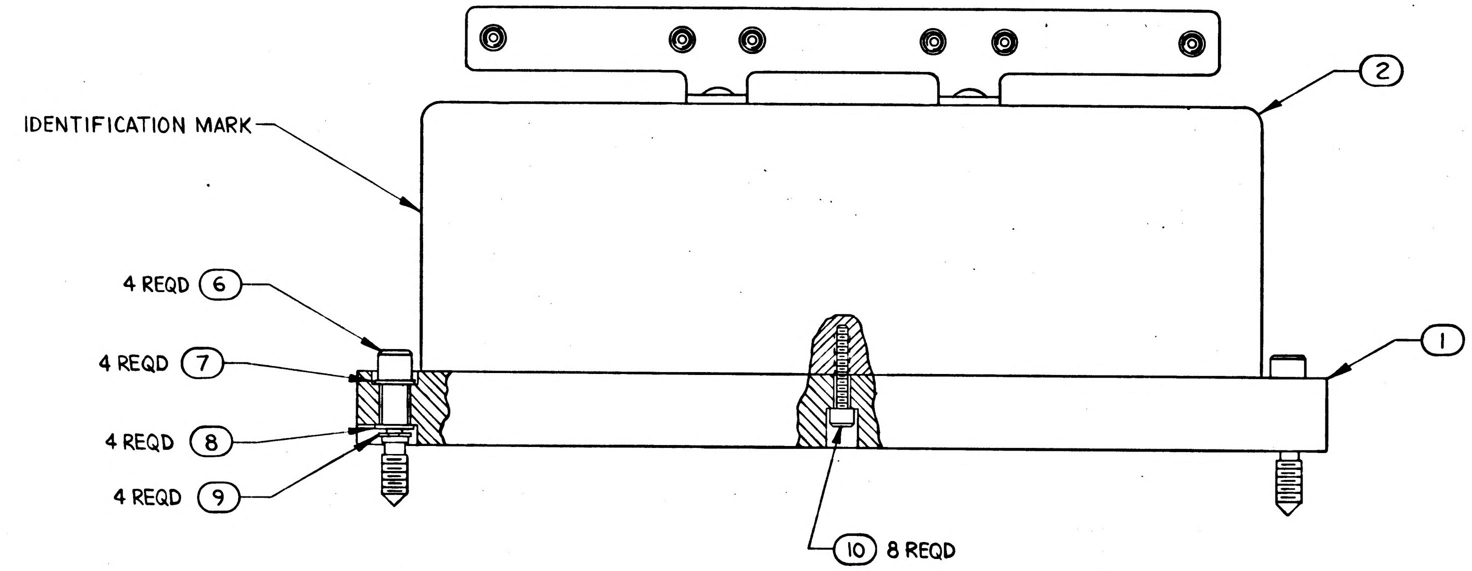
NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES 267).
3. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 26766		8 FEB 66	EMS
	B	REVISED PER TDRR 27720		13 APR 66	J.H.P.







SEE NOTE 3

			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			4		12	1006783-18	SCREW, BUTTON HD
			6		11	MS 16995-11	SCREW, CAP, SOC HD
			8		10	MS 16995-10	SCREW, CAP, SOC HD
			4		9	MS 16633-4015	RING, RETAINING, EXTERNAL
			4		8	1004546-3	WASHER, FLAT
			4		7	1004546-1	WASHER, FLAT
			4		6	1004579-3	SCREW, JACKING
			1		5	2901017	CLAMP, ELECTRICAL CABLE (INSEP)
			1		4	2901016	CLAMP, ELECTRICAL CABLE
					3		
			1		2	2901015	SHELL, ELECTRICAL CONNECTOR
			1		1	2901014	BASE, ELECTRICAL CONNECTOR

QUANTITY REQUIRED

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900915	2900673-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN R. Parks DATE 27 DEC 65
CHECKED 29 DEC 65
APPROVAL L. Gollman 3/1/66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

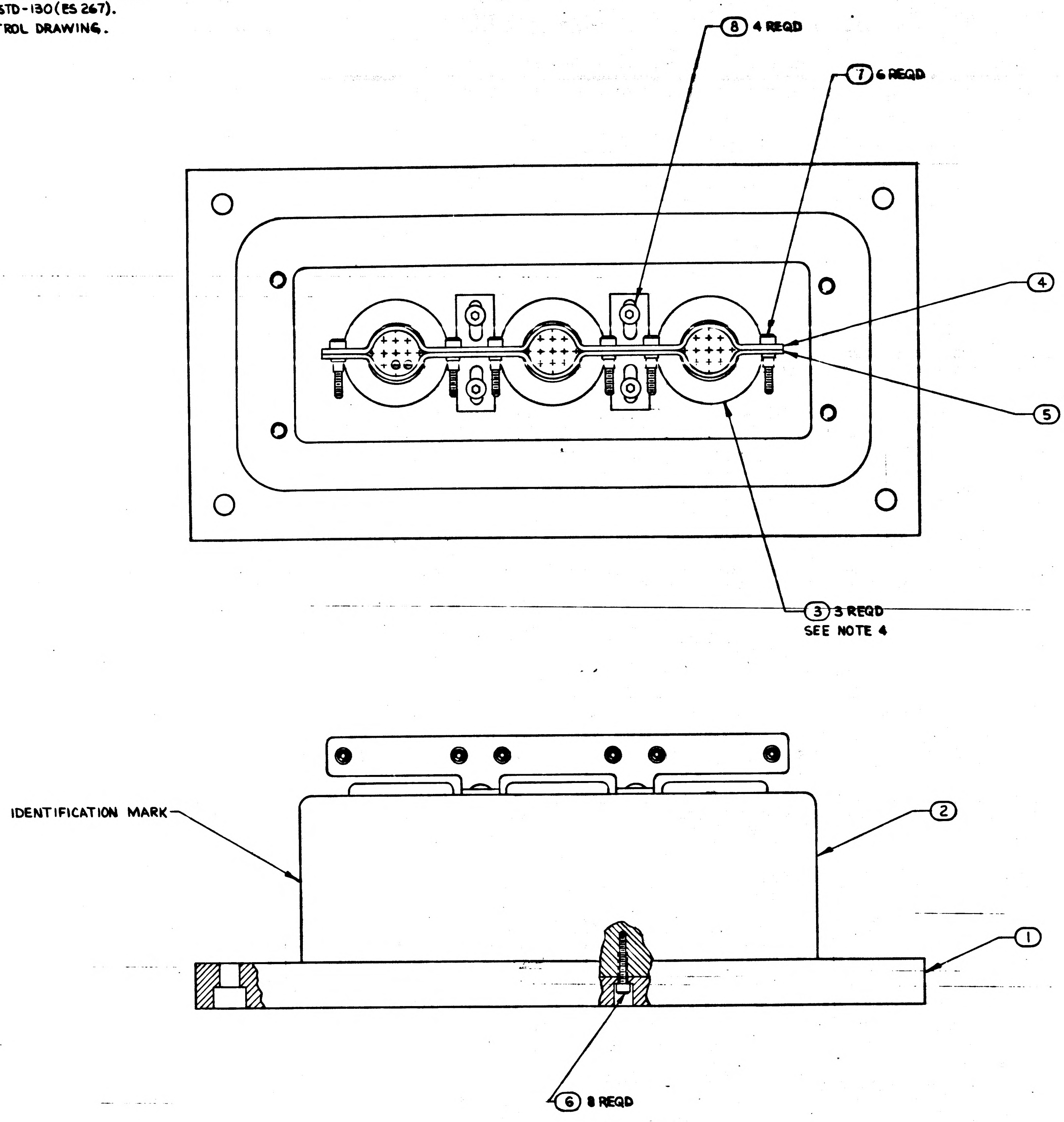
CONNECTOR, PLUG,
ELECTRICAL-
GNF P6(45J4)

SIZE D
CODE IDENT NO. 99974
2901019
SCALE 2/1
SHEET 1 OF 1

29 DEC 65

NOTES:
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130(ES 267).
3. VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.
4. SPLIT GROMMET PER MS35489.

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	INITIAL RELEASE CLASS A PER TDRR 26766		9 FEB 66	EMS CW



SEE NOTE 3

QUANTITY REQUIRED					EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			011					
			4			8	1006783-18	SCREW, BUTTON HD
			6			7	MS16995-11	SCREW, CAP, SOC HD
			8			6	MS16995-10	SCREW, CAP, SOC HD
			1			5	2901017	CLAMP, ELECTRICAL CABLE (INSERT)
			1			4	2901016	CLAMP, ELECTRICAL CABLE
			3			3	MS35489-74	GROMMET, RUBBER
			1			2	2901015	SHELL, ELECTRICAL CONNECTOR
			1			1	2901018	BASE, ELECTRICAL CONNECTOR

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900915	2900673-011	011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± — 3 PLACE DECIMALS ± — ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN R. Bohr DATE 28 DEC 65
CHECKED 29 DEC 65
APPROVAL
CONTRACT NAS 9-497
A. L. METZGER
NASA APPROVAL
SUBCONTRACTOR APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, RECEPTACLE,
ELECTRICAL-
GNE J2(56P17)

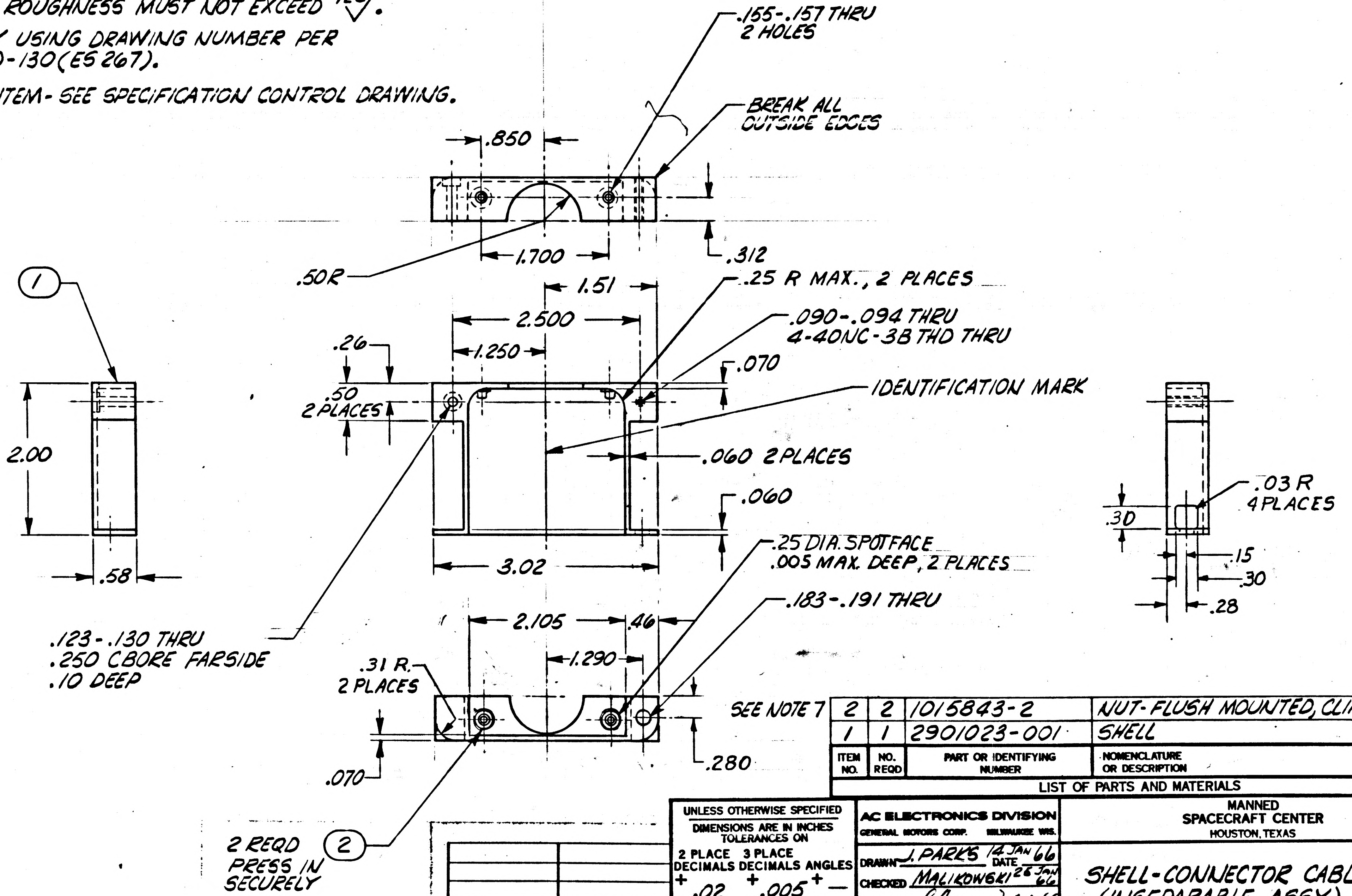
SIZE	CODE IDENT NO.	
E	99974	2901020

SCALE 2/1 SHEET 1 OF 1

			REVISIONS		
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED & REDRAWN PER D.O. 61597		2 FEB 66	
	B	REVISED PER D.O. 61652		15 FEB 66	RK. WEM
	C	INITIAL RELEASE CLASS A PER TDRR 27850		28 FEB 66	

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/11, TYPE 6061, TEMPER T-651 (ES 2106 ALUMINUM ALLOY 6061).
3. FINISH: MIL-A-8625 TYPE I (ES 385 ANODIZE).
4. ALL CORNERS MUST BE .005 TO .015R OR CHAMFER.
5. SURFACE ROUGHNESS MUST NOT EXCEED 125/√.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES 267).
7. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.


.155-.157 THRU
2 HOLES
BREAK ALL
OUTSIDE EDGES
.850
1.700
.312
.50R
①
1.51
2.500
1.250
.25 R MAX., 2 PLACES
.090-.094 THRU
4-40NC-3B THD THRU
.070
.26
.50
2 PLACES
IDENTIFICATION MARK
2.00
.060 2 PLACES
.060
3.02
.58
.03 R
4 PLACES
.30
.15
.30
.28
.25 DIA. SPOTFACE
.005 MAX. DEEP, 2 PLACES
.183-.191 THRU
.123-.130 THRU
.250 CBORE FARSIDE
.10 DEEP
2.105
.46
1.290
.31 R.
2 PLACES
.070
.280
2 REQD
PRESS IN
SECURELY
②

SEE NOTE 7	2	2	1015843-2	NUT-FLUSH MOUNTED, CLINCH
	1	1	2901023-001	SHELL
	ITEM NO.	NO. REQD	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON
2900669	2900669

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ± .005
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL CHARLESTON 27-1-66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J. PARKS DATE 14 JAN 66
CHECKED MALIKOWSKI 26 JAN 66
APPROVAL 2-4-1-66
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

SHELL-CONNECTOR CABLE
(INSEPARABLE ASSY)

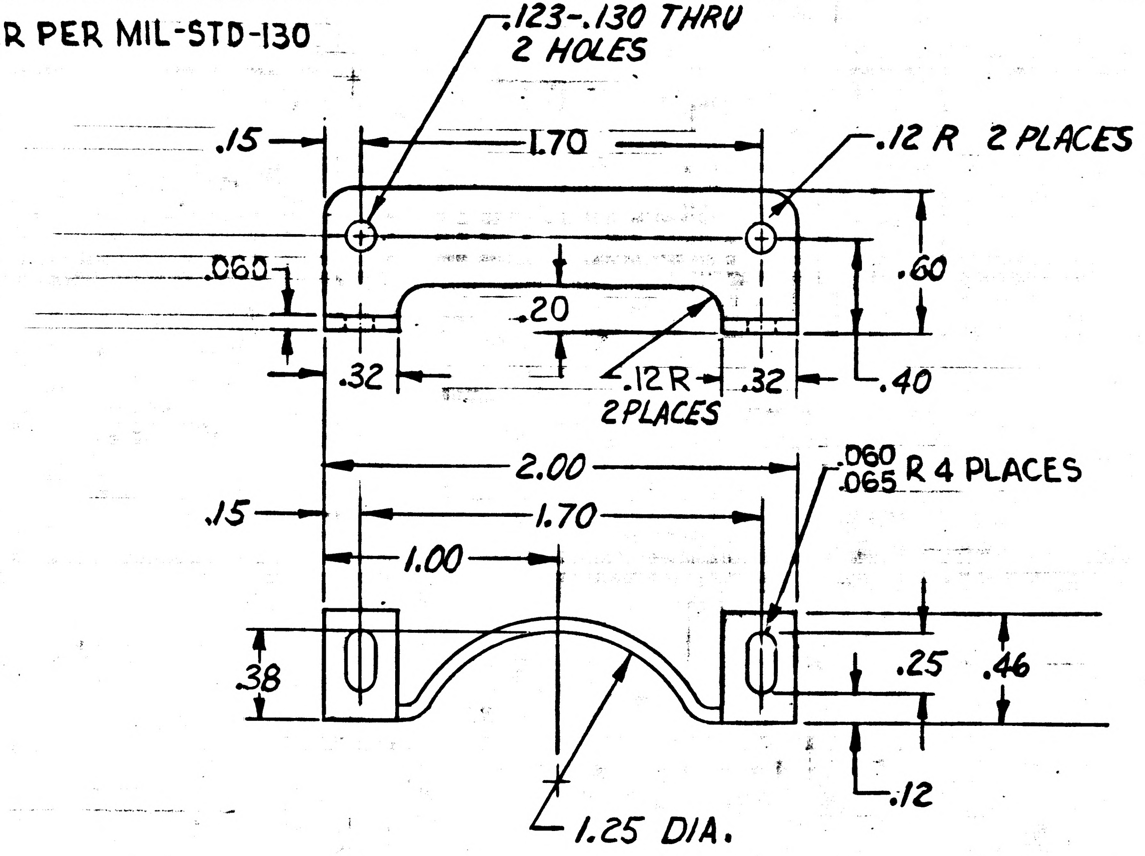
SIZE C
CODE IDENT NO. 99974
2901023
SCALE FULL
SHEET 1 OF 1

MIL-1008D D

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER D.O. 61602		2 FEB 66	FRW
	B	INITIAL RELEASE CLASS A PER TDRR 27850		28 FEB 66	

NOTES:-

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. MATERIAL: QQ-A-250/8, TEMPER H34 (ES2105 AL ALY 5052-H34).
3. FINISH: APPLY MIL-P-8585 (ES2589 ZINC CHROMATE PRIMER) AND TWO COATS OF TT-E-529, SEMI-GLOSS ENAMEL CLASS B, COLOR LIGHT GREY NO.26440 OF FED-STD-595
4. MUST BE FREE FROM BURRS.
5. MINIMUM BEND RELIEF PERMISSIBLE WHERE REQUIRED.
6. IDENTIFY USING DRAWING NUMBER PER MIL-STD-130 (ES267).



2900669	2900669
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ±.02
3 PLACE DECIMALS ±.005
ANGLES ± -
DO NOT SCALE THIS DRAWING
MATERIAL SEE NOTE 2
APPROVAL 27 JAN 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN J. Parks DATE 14 JAN 66
CHECKED 26 Jan 66
APPROVAL 4-1-66
CONTRACT NAS 9-497
NASA APPROVAL A. C. METZGER
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CLAMP, SHELL

SIZE C
CODE IDENT NO. 99974
2901024
SCALE 2:1
SHEET 1 OF 1

APPLICATION	
NEXT ASSY	USED ON
2900025-021	2900025-021

REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL
A	INITIAL RELEASE CLASS A PER TDRR 27524	22 FEB 66	J.A.C. / R.W.H.

REV	A	A	A	A	A	A	A
SHEET	17	18	19	20	21	22	23

REV STATUS OF SHEETS	REV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
	SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Charleston
13 JAN 66

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

ACSP PN

DRAWN 8 JAN 66 DATE
CHECKED Ed Foster 13 JAN 66
APPROVAL E Swanson 13 Feb 66
APPROVAL J. M. Weston 3-2-66

NASA APPROVAL A. G. METZGER
MIT APPROVAL 29 Mar 66
CONTRACT NAS 9-497

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY, SPECIAL PURPOSE ELECTRICAL, BRANCHED - W136

SIZE	CODE IDENT NO.		REV
A	99974	2901032	A
SCALE ~			SHEET 1 OF 23

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER- A - ND1002071 B - ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	APPLY LEAD IDENTIFICATIONS PER ND 1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
4	APPLY LEAD IDENTIFICATIONS PER ND 1002019
5	APPLY REFERENCE DESIGNATIONS TO SLEEVES PER ND 1002019 USING .12 INCH HIGH CHARACTERS.
6	APPLY LEAD IDENTIFICATION TO SLEEVES PER ND 1002019.
7	A LETTER WITH AN ASTERISK SUFFIX INDICATES A LOWER CASE LETTER.
8	VENDOR ITEM - SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
9	ITEM 12, 18 AND 19 TO BE FURNISHED WITH ITEMS 1 THRU 4
10	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR OR MARKED LETTER. A - FROM END SHIELD B - TO END SHIELD E - GRAY L - WHITE WITH BLUE TRACER R - WHITE WITH RED TRACER. W - WHITE WITH LETTER W. X - COAX OUTER CONDUCTOR Y - WHITE WITH YELLOW TRACER.
11	ASSEMBLE CONTACTS IN SPARE CONNECTOR INSERT HOLES.

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
12	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
13	SECURE TO CABLE USING ITEM 15, MARKING TO READ AWAY FROM CONNECTOR
14	SERIALIZE PER ND 1002023
15	FILL THE SPACE BETWEEN WIRE BUNDLE AND GROMMET USING ITEM 20 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
16	MARK IDENTIFICATION BANDS AS NOTED IN TABLE 1, .12 INCH HIGH COLOR BLACK PER ND 1002019. CENTRALIZE
17	ASSEMBLE PER ND1002032
18	LOCATE IDENTIFICATION SLEEVES ADJACENT TO SOLDER SLEEVES
19	ZIPPER TUBING SHALL HAVE Z TYPE TRACK

TOLERANCE CHART, UNLESS OTHERWISE SPECIFIED ---

APPLICABLE LENGTH FOR WIRE OR CABLE, STRIP WIRE, STRIP JACKET, CUT WIRE OR CUT SHIELD.	TOLERANCE				
	WIRE OR CABLE	STRIP WIRE	STRIP JACKET	CUT WIRE	CUT SHIELD
UNDER 1 INCH	+ .06-.00	+.03-.00	+.06-.06	+.06-.06	+.06-.06
1 INCH TO 6 INCHES	+ .50-.00	+.06-.00	+.25-.25	+.25-.25	+.25-.25
6 INCHES TO 6 FEET	+1.00-.00		+.50-.50	+.50-.50	+.50-.50
OVER 6 FEET	+2.00-.00				

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	MS3126F24-61S	(1897048-610) CONNECTOR-PLUG
	2	1	MS3126F24-61SX	(1897048-612) CONNECTOR-PLUG
	3	1	MS3126F24-61P	(1897047-610) CONNECTOR-PLUG
	4	1	MS3126F24-61PW	(1897047-611) CONNECTOR-PLUG
	5	1	~~2900461-001~~ 2901032-001	WIRE,ND1002181,TYPE 3, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU,WHT/YEL, 7 FT TOTAL LENGTH
	6	1	~~2900461-002~~ 2901032-002	WIRE,ND1002181,TYPE 2, CLASS 4, WHT JKT, 20AWG WHT/RED,WHT/BLU, 273 FT TOTAL LENGTH
	7	1	~~2900461-003~~ 2901032-003	WIRE,ND1002181,TYPE 1, CLASS 4, WHT JKT, 20AWG WHT 24FT TOTAL LENGTH
	8	1	~~2900461-004~~ 2901032-004	WIRE, ND1002181, TYPE 1, CLASS 1, WHT 22AWG 25 FT TOTAL LENGTH
	9	1	~~2900461-005~~ 2901032-005	WIRE COAXIAL PER MIL-C-17/69A, RG188A/U 7 FT TOTAL LENGTH
8	10	46	1010763- 3	SLEEVE, SOLDER
19	11	1	~~2900461-007~~ 2901032-007	ZIPPER TUBING, PER ND1002155, TYPE IV, 2, CHANNEL 1.125 DIA PER CHANNEL, 7 FT TOTAL LENGTH
9	12		1016282- 24	RUBBER GROMMET
8	13	2	1010490-226	INSULATION SLEEVING, ELEC
8	14	81	1010490-228	INSULATION SLEEVING, ELEC
	15	AR	MIL-T-713	LACING TAPE, TYPE P,CLASS 2,BLACK,(ES2732 N018)

CABLE ASSEMBLY W136 2901032 A

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
8	16	4	1016128-041	BAND, IDENTIFICATION
8	17	1	1016128-011	BAND, IDENTIFICATION
9	18		MS3192A-20A	(1896855-020) CONTACT PINS
9	19		MS3193A-20A	(1896877-020) CONTACT SOCKETS
	20	AR	~~1901390~~ MIL-I-631	FILLER TAPE, TYPE F, FORM T, (BLACK), GRADE A, CLASS I, .62 INCH WIDE, .020 INCH THK.
8	21	14	1010763- 2	SLEEVE, SOLDER
	22	1	~~2900461-006~~ 2901032-006	WIRE, ND1002181, TYPE 1, CLASS 1, WHT, 20AWG 11 FT TOTAL LENGTH
8	23	2	1016281 -180	CONTACT, PIN
8	24	2	1016281 -181	CONTACT, SOCKET
	25	1	2900461 -008	WIRE, ND1002181, TYPE 1, CLASS 1, 16AWG, WHT, 14FT. TOTAL LENGTH
8	26	2	1010763 - 1	SOLDER SLEEVE
8	27	12	1010490 -232	INSULATION SLEEVING, ELECT.
8	28	5	1016006-002	SPLICF REDUCER
8	29	5	1010490-258	INSULATION, SLEEVING, ELECT.

SIZE	CODE IDENT NO.		
A	99974	2901032	
SCALE-NONE	REV LTR	A	SHEET 5 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	1A	8		SHLD A1 E1-B					.25 .38	NO NO			
A	1L			P2-DD P4-DD					.22 .22	NO NO		19 18	
A	1R			P2-EE P4-EE					.22 .22	NO NO		19 18	
A	2	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	2A	8		SHLD A2 E1-B					.25 .38	NO NO			
A	2L			P2-FF P4-FF					.22 .22	NO NO		19 18	
A	2R			P2-GG P4-GG					.22 .22	NO NO		19 18	
A	3	6				2.30 2.30	2.00 2.00				A,6B B,7	10, 14 14	
A	3A	8		SHLD A3 P2-B					.25 .25	NO NO			
A	3L			P2-JJ P4-JJ					.22 .22	NO NO		19 18	
A	3R			P2-KK P4-KK					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.		
A	99974	2901032	
SCALE-NONE	REV LTR	A	SHEET 6 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	4	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	4A	8		SHLD A4 E1-B					.25 .38	NO NO			
A	4L			P2-Z P4-Z					.22 .22	NO NO		19 18	
A	4R			P2-A* P4-A*					.22 .22	NO NO		19 18	
A	5	6				2.30 2.30	2.00 2.00				A,6A B,7	10, 14 14	
A	5A	8		SHLD A5 E1-B					.25 .38	NO NO			
A	5L			P2-V P4-V					.22 .22	NO NO		19 18	
A	5R			P2-W P4-W					.22 .22	NO NO		19 18	
A	6	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	6A	8		SHLD A6 E2-B					.25 .38	NO NO			
A	6L			P2-X P4-X					.22 .22	NO NO		19 18	
A	6R			P2-Y P4-Y					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.		
A	99974	2901032	
SCALE-NONE	REV LTR	A	SHEET 7 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	7	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	7A	8		SHLD A7 E2-B					.25 .38	NO NO			
A	7L			P2-H* P4-H*					.22 .22	NO NO		19 18	
A	7R			P2-I* P4-I*					.22 .22	NO NO		19 18	
A	8	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	8A	8		SHLD A8 E2-B					.25 .38	NO NO			
A	8L			P2-F* P4-F*					.22 .22	NO NO		19 18	
A	8R			P2-G* P4-G*					.22 .22	NO NO		19 18	
A	9	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	9A	8		SHLD A9 E2-B					.25 .38	NO NO			
A	9L			P2-D* P4-D*					.22 .22	NO NO		19 18	
A	9R			P2-E* P4-E**					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.		
A	99974	2901032	
SCALE-NONE	REV LTR	A	SHEET 8 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	10	6				2.80 2.80	2.50 2.50				A,6A B,7	10, 14 14	
A	10A	8		SHLD A10 E2-B					.25 .38	NO NO			
A	10L			P2-J* P4-J*					.22 .22	NO NO		19 18	
A	10R			P2-K* P4-K*					.22 .22	NO NO		19 18	
A	11	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	11A	8		SHLD A11 E3-B					.25 .38	NO NO			
A	11L			P2-B* P4-B*					.22 .22	NO NO		19 18	
A	11R			P2-C* P4-C*					.22 .22	NO NO		19 18	
A	12	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	12A	8		SHLD A12 E3-B					.25 .38	NO NO			
A	12L			P2-NN P4-NN					.22 .22	NO NO		19 18	
A	12R			P2-PP P4-PP					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 9 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	13A	8		SHLD A13 E3-B					.25 .38	NO NO			
A	13L			P2-LL P4-LL					.22 .22	NO NO		19 18	
A	13R			P2-MM P4-MM					.22 .22	NO NO		19 18	
A	14	5				2.30 2.30	2.00 2.00				B,7 B,7	13 13	
A	14L			P2-AA P4-AA					.22 .22	NO NO		19 18	
A	14R			P2-CC P4-CC					.22 .22	NO NO		19 18	
A	14Y			P2-BB P4-BB					.22 .22	NO NO		19 18	
A	15	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A	15A	8		SHLD A15 P2-S*					.25 .22	NO NO		 19	
A	15B	8		P4-S* SHLD A15					.22 .25	NO NO		18	
A	15L			P2-T* P4-T*					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 10 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	15R			P2-U* P4-U*					.22 .22	NO NO		19 18	
A	16	6				3.80 3.80	3.50 3.50				A,6B A,6B	10, 14 10, 14	
A	16A	8		SHLD A15 P2-P*					.25 .22	NO NO		 19	
A	16B	8		P4-P* SHLD A16					.22 .25	NO NO		18	
A	16L			P2-Q* P4-Q*					.22 .22	NO NO		19 18	
A	16R			P2-R* P4-R*					.22 .22	NO NO		19 18	
A	17	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	17A	8		SHLD A17 E3-B					.25 .38	NO NO			
A	17L			P2-V* P4-V*					.22 .22	NO NO		19 18	
A	17R			P2-W* P4-W*					.22 .22	NO NO		19 18	
A	18	6				3.30 3.30	3.00 3.00				A,6A B,7	10, 14 14	
A	18A	8		SHLD A18 E3-B					.25 .38	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 11 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	18L			P2-X* P4-X*					.22 .22	NO NO		19 18	
A	18R			P2-Y* P4-Y*					.22 .22	NO NO		19 18	
A	19	9				2.80 2.80	2.50 2.50				A,6B A,6A	21, 27 21, 27	
A	19A	8		A19X P2-M*					.25 .22	NO NO		 19	
A	19B	8		P4-M* A19X					.22 .25	NO NO		18	
A	19E			P2-N* P4-N*					.22 .22	NO NO		19 18	
A	20	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A	20L			P2-T P4-T					.22 .22	NO NO		19 18	
A	20R			P2-U P4-U					.22 .22	NO NO		19 18	
A	21	22		P2-HH P4-HH					.22 .22	NO NO		19 18	
A	22	22		E1-B E4					.38 .25	NO NO			
A	23	22		E2-B E4					.38 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 12 OF 23

MIL 2084 9-65

2901032 A

CABLE ASSEMBLY W136 2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 24	22		E3-B E4					.38 .25	NO NO			
A 25	22		E4 P2-L					.25 .22	NO NO		 19	
A 26	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 26A	8		SHLD A26 P1-B*					.25 .22	NO NO		 19	
A 26B	8		E5-B SHLD A26					.38 .25	NO NO			
A 26L			P1-NN P3-NN					.22 .22	NO NO		19 18	
A 26R			P1-PP P3-PP					.22 .22	NO NO		19 18	
A 27	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 27A	8		SHLD A27 P1-P					.25 .22	NO NO		 19	
A 27B	8		E5-B SHLD A27					.38 .25	NO NO			
A 27L			P1-LL P3-LL					.22 .22	NO NO		19 18	
A 27R			P1-MM P3-MM					.22 .22	NO NO		19 18	

SIZE A

CODE IDENT NO. 99974

2901032

SCALE-NONE

REV LTR A

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MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 28	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 28A	8		SHLD A28 P1-E					.25 .22	NO NO		 19	
A 28B	8		E5-B SHLD A28					.38 .25	NO NO			
A 28L			P1-JJ P3-JJ					.22 .22	NO NO		19 18	
A 28R			P1-KK P3-KK					.22 .22	NO NO		19 18	
A 29	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 29A	8		SHLD A29 P1-A*					.25 .22	NO NO		 19	
A 29B	8		E5-B SHLD A29					.38 .25	NO NO			
A 29L			P1-GG P3-GG					.22 .22	NO NO		19 18	
A 29R			P1-HH P3-HH					.22 .22	NO NO		19 18	
A 30	6				2.30 2.30	2.00 2.00				A,6B A,6A	10, 14 10, 14	
A 30A	8		SHLD A30 P1-V					.25 .22	NO NO		 19	

SIZE A

CODE IDENT NO. 99974

2901032

SCALE-NONE

REV LTR A

SHEET 14 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 30B	8		E5-B SHLD A30					.38 .25	NO NO			
A 30L			P1-EE P3-EE					.22 .22	NO NO		19 18	
A 30R			P1-FF P3-FF					.22 .22	NO NO		19 18	
A 31	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 31A	8		SHLD A31 P1-C*					.25 .22	NO NO		 19	
A 31B	8		E6-B SHLD A31					.38 .25	NO NO			
A 31L			P1-W* P3-W*					.22 .22	NO NO		19 18	
A 31R			P1-X* P3-X*					.22 .22	NO NO		19 18	
A 32	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 32A	8		SHLD A32 P1-Z					.25 .22	NO NO		 19	
A 32B	8		E6-B SHLD A32					.38 .25	NO NO			
A 32L			P1-U* P3-U*					.22 .22	NO NO		19 18	

SIZE A

CODE IDENT NO. 99974

2901032

SCALE-NONE

REV LTR A

SHEET 15 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 32R			P1-V* P3-V*					.22 .22	NO NO		19 18	
A 33	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 33A	8		SHLD A33 P1-R					.25 .22	NO NO		 19	
A 33B	8		E6-B SHLD A33					.38 .25	NO NO			
A 33L			P1-CC P3-CC					.22 .22	NO NO		19 18	
A 33R			P1-DD P3-DD					.22 .22	NO NO		19 18	
A 34	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	
A 34A	8		SHLD A34 P1-L					.25 .22	NO NO		 19	
A 34B	8		E6-B SHLD A34					.38 .25	NO NO			
A 34L			P1-AA P3-AA					.22 .22	NO NO		19 18	
A 34R			P1-BB P3-BB					.22 .22	NO NO		19 18	
A 35	6				2.80 2.80	2.50 2.50				A,6B A,6A	10, 14 10, 14	

SIZE A

CODE IDENT NO. 99974

2901032

SCALE-NONE

REV LTR A

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MIL 2084 9-65

CABLE ASSEMBLY W136

2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 35A	8		SHLD A35 P1-G					.25 .22	NO NO		 19	
A 35B	8		E6-B SHLD A35					.38 .25	NO NO			
A 35L			P1-Y* P3-Y*					.22 .22	NO NO		19 18	
A 35R			P1-Z* P3-Z*					.22 .22	NO NO		19 18	
A 36	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 36A	8		SHLD A36 E7					.25 .25	NO NO			
A 36W			P1-K* P3-K*					.22 .22	NO NO		19 18	
A 37	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 37A	8		SHLD A37 E7					.25 .25	NO NO			
A 37W			P1-J* P3-J*					.22 .22	NO NO		19 18	
A 38	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 38A	8		SHLD A38 E7					.25 .25	NO NO			

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 17 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136

2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 38W			P1-I* P3-I*					.22 .22	NO NO		19 18	
A 39	7				3.30 3.30	3.00 3.00				A,6A B,7	21, 27 27	
A 39A	8		SHLD A39 E7					.25 .25	NO NO			
A 39W			P1-H* P3-H*					.22 .22	NO NO		19 18	
A 40	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A 40L			P1-G* P3-G*					.22 .22	NO NO		19 18	
A 40R			P1-M* P3-M*					.22 .22	NO NO		19 18	
A 41	6				3.30 3.30	3.00 3.00				B,7 B,7	14 14	
A 41L			P1-S* P3-S*					.22 .22	NO NO		19 18	
A 41R			P1-T* P3-T*					.22 .22	NO NO		19 18	
A 42	6				2.30 2.30	2.00 2.00				B,7 B,7	14 14	
A 42L			P1-Q* P3-Q*					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 18 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136

2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 42R			P1-R* P3-R*					.22 .22	NO NO		19 18	
A 43	6				2.80 2.80	2.50 2.50				B,7 B,7	14 14	
A 43L			P1-N* P3-N*					.22 .22	NO NO		19 18	
A 43R			P1-P* P3-P*					.22 .22	NO NO		19 18	
A 44	22		E7 P1-F*					.25 .22	NO NO		 19	
A 45	22		E5-B E8					.38 .25	NO NO			
A 46	22		E6-B E8					.38 .25	NO NO			
A 47	22		E8 P3-F*					.25 .22	NO NO		 18	
A 48	8		P1-W P3-W					.22 .22	YES YES		19 18	
A 49	8		P1-X P3-X					.22 .22	YES YES		19 18	
A 50	8		P1-Y P3-Y					.22 .22	YES YES		19 18	
A 51	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 19 OF 23

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CABLE ASSEMBLY W136

2901032 A

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 51A	8		SHLD A51 E9					.25 .25	NO NO			
A 51L			P1-J P3-J					.22 .22	NO NO		19 18	
A 51R			P1-H P3-H					.22 .22	NO NO		19 18	
A 52	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 52A	8		SHLD A52 E9					.25 .25	NO NO			
A 52L			P1-M P3-M					.22 .22	NO NO		19 18	
A 52R			P1-K P3-K					.22 .22	NO NO		19 18	
A 53	25		P1-D* P3-D*					.22 .22	NO NO		24 23	
A 54	25		P1-E* P3-E*					.22 .22	NO NO		24 23	
A 55	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A 55A	8		SHLD A55 E10					.25 .25	NO NO			
A 55L			P2-P P4-P					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 20 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	55R			P2-R P4-R					.22 .22	NO NO		19 18	
A	56	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A	56A	8		SHLD A56 E10					.25 .25	NO NO			
A	56L			P2-K P4-K					.22 .22	NO NO		19 18	
A	56R			P2-J P4-J					.22 .22	NO NO		19 18	
A	57	6				3.80 3.80	3.50 3.50				A,6A B,7	10, 14 14	
A	57A	8		SHLD A57 E10					.25 .25	NO NO			
A	57L			P2-M P4-M					.22 .22	NO NO		19 18	
A	57R			P2-N P4-N					.22 .22	NO NO		19 18	
A	58	22		E10 E4					.25 .25	NO NO			
A	59	22		E9 P1-F					.25 .22	NO NO		19	
A	60	6				4.30 4.30	4.00 4.00				A,6A B,7	10, 14 14	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 21 OF 23

MIL 2084 9-65

CABLE ASSEMBLY W136 2901032 A

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	60A	8		SHLD A60 E1-B					.25 .38	NO NO			
A	60L			P2-F P4-F					.22 .22	NO NO		19 18	
A	60R			P2-E P4-E					.22 .22	NO NO		19 18	
A	61	6				4.30 4.30	4.00 4.00				A,6A B,7	10, 14 14	
A	61A	8		SHLD A61 E1-B					.25 .38	NO NO			
A	61L			P2-H P4-H					.22 .22	NO NO		19 18	
A	61R			P2-G P4-G					.22 .22	NO NO		19 18	

SIZE	CODE IDENT NO.	
A	99974	2901032
SCALE-NONE	REV LTR A	SHEET 22 OF 23

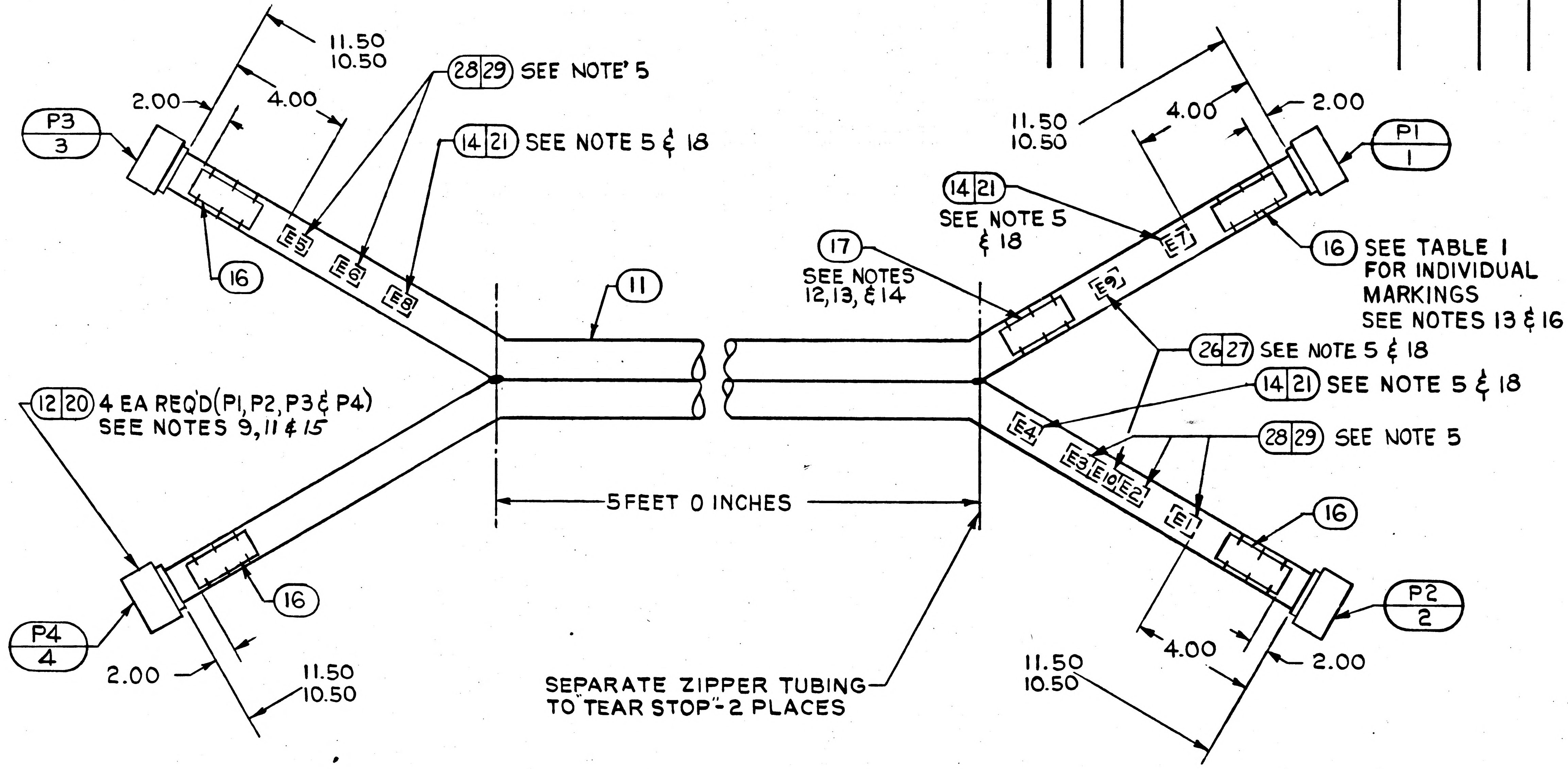
MIL 2084 9-65

REVISIONS TDRR 27524

SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD.
		SEE SHT. 1 FOR REVISION RECORD			

TABLE I

PLUG NO.	MARKING
P1	W136-P1 (J24-GDB)
P2	W136-P2 (J28-GDB)
P3	W136-P3 (J3-TP2)
P4	W136-P4 (J4-TP2)



11.50
10.50
2.00
4.00
P3
3
28 29 SEE NOTE 5
14 21 SEE NOTE 5 & 18
E5
E6
E8
16
11
12 20 4 EA REQ'D (P1, P2, P3 & P4)
SEE NOTES 9, 11 & 15
P4
4
5 FEET 0 INCHES
SEPARATE ZIPPER TUBING TO "TEAR STOP" - 2 PLACES
17
SEE NOTES 12, 13, & 14
14 21
SEE NOTE 5 & 18
E7
E9
P1
1
16 SEE TABLE I FOR INDIVIDUAL MARKINGS SEE NOTES 13 & 16
26 27 SEE NOTE 5 & 18
14 21 SEE NOTE 5 & 18
28 29 SEE NOTE 5
E4
E3
E10
E2
E1
P2
2

2900025-021	2900025-021
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± DECIMALS ± ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL —
CONTRACT NAS 9-497

AC SPARK PLUG DIVISION, GMC
MILWAUKEE, WISCONSIN
ACSP PN
DRAWN John A. Kuderewski DATE 12 JAN 66
CHECKED Ed Foster 13 JAN 66
APPROVAL E. Swanson 13 Jan 66
APPROVAL J. M. Watson 3-21-66
NASA APPROVAL A. C. METZGER
MIT APPROVAL W. Kupfer 29 Mar 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED, W136

CODE IDENT NO. 99974
SIZE C
2901032
SCALE NONE
SHEET 23 OF 23

MIL 1077C-F

H REV LTR 2901034

2901034

REVISIONS					
ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	D	REPLACES REV (C) WITH CHANGE PER MXC 209801		18 MAR 66	EF
	E	REVISED PER MXC 210063		31 MAR 66	J.H.P.
	F	REVISED PER MXC 210780		7 APR 66	
	G	REVISED PER MXC 211703		28 APR 66	RB RWH
	H	INITIAL RELEASE CLASS A PER TDRR 28672		3-MAY-66	B. EF

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. ~~THIS IS AN INCOMPLETE DRAWING.~~
3. ~~VENDOR ITEM-SEE SPECIFICATION CONTROL DRAWING.~~

~~SEE NOTE 3~~

QUANTITY REQUIRED							
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			~~50~~			~~1015999-001~~	~~EJECTOR, CIRCUIT BOARD~~
			~~17~~			~~RC07GF204J~~	~~(1896985-104) RESISTOR~~
			1		28	2901326-091	COMPONENT BOARD ASSY NO. 28
			1		27	-081	27
			1		26	-071	26
			1		25	-061	25
			1		24	-051	24
			1		23	-041	23
			1		22	-031	22
			1		21	-021	21
			1		20	2901326-011	20
			1		19	2901322-011	19
			1		18	2901318-011	18
			1		17	2901314-011	17
			1		16	2901310-011	16
			1		15	2901306-011	15
			1		14	2901302-011	14
			1		13	2901298-011	13
			1		12	2901294-011	12
			1		11	2901290-011	11
			1		10	2901286-011	10
			1		9	2901282-011	9
			1		8	2901278-011	8
			1		7	2901274-011	7
			1		6	2901270-011	6
			1		5	2901266-011	5
			1		4	2901262-011	4
			1		3	2901258-011	3
			1		2	2901254-011	2
			1		1	2901250-011	COMPONENT BOARD ASSY NO. 1

LIST OF PARTS AND MATERIALS

QUANTITY REQUIRED							
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
			1		35	2901481-011	COMPONENT BOARD ASSY NO. 35
			1		34	2901480-011	34
			1		33	2901500-011	33
			1		32	2901494-011	32
			1		31	2901498-011	31
			1		30	2901487-011	30
			1		29	2901476-011	COMPONENT BOARD ASSY NO. 29

LIST OF PARTS AND MATERIALS

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900895-011	2900895-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —
DO NOT SCALE THIS DRAWING
MATERIAL —
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN LITZOW DATE 17 JAN 66
CHECKED FESLER 18 JAN 66
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL 5/5/66
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

INPUT/OUTPUT PANEL COMPONENT BOARD SET

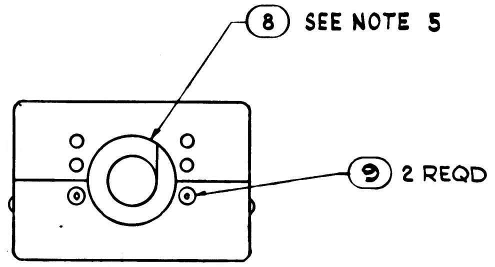
SIZE C
CODE IDENT NO. 99974
2901034
SCALE —
SHEET 1 OF 1

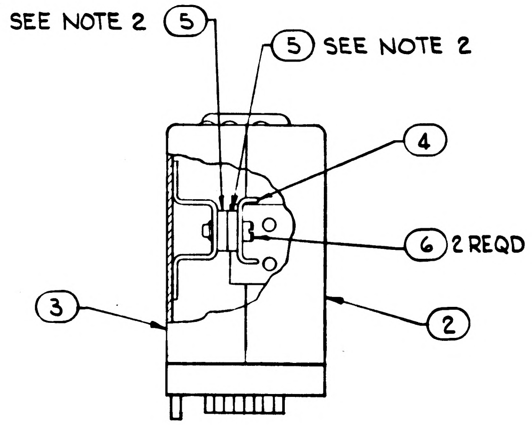
MIL-1052D D

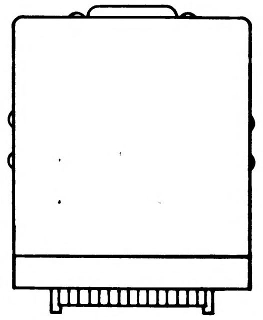
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO	DATE	APPD
A		REVISED PER MXC 210064		8 MAR 66	J.H.P. E F
B		INITIAL RELEASE CLASS A PER TDRR 28604		2 MAY 66	RP E F

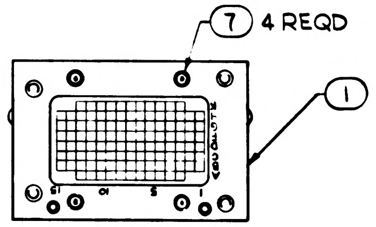
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151 USING ITEMS ⑩ AND ⑪.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









							ITEM NO	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
SEE NOTE 2				AR			11	MIL-A-25457	ADHESIVE, SILICONE
SEE NOTE 2				AR			10	1010718	PRIMER, ADHESIVE
SEE NOTE 3				2			9	1006783-19	SCREW
				1			8	MS35489-16	GROMMET
				4			7	1017418-11	SCREW
				2			6	2901022-004	SCREW, SHOULDER
				2			5	2900580-007	GASKET
				1			4	2900711-007	CLAMP, MOVABLE
				1			3	2901039	SHELL, CLAMP (INSEP ASSY)
				1			2	2901038	SHELL, COVER (INSEP ASSY)
				1			1	2901040	BASE, CONNECTOR
				011	EFFECTIVITY				
	QUANTITY REQUIRED						LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2901093	2901076-011	-011

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS DECIMALS ANGLES
+ __ + __ + __
- - -
DO NOT SCALE THIS DRAWING
MATERIAL ——
CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN DATE 17 JAN 66
CHECKED 27 JAN 66
APPROVAL
CONTRACT NAS9-497
NASA APPROVAL
MIT APPROVAL
28 JAN 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

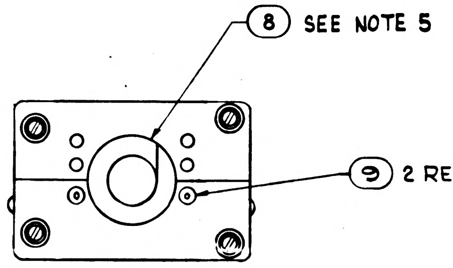
CONNECTOR, PLUG, ELECTRICAL - 112 PIN (GSE, OPTICS-J5)

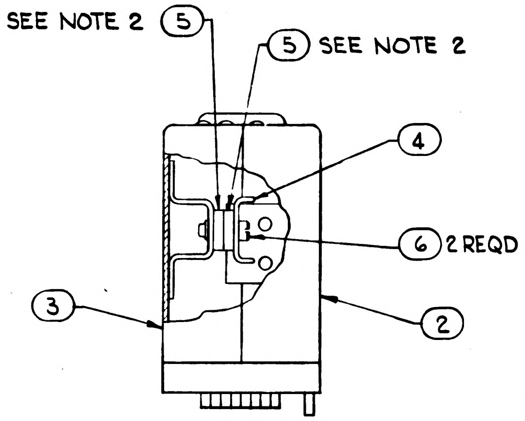
CODE IDENT NO. 99974
SIZE D
2901041
SCALE 1/1
SHEET 1 OF 1

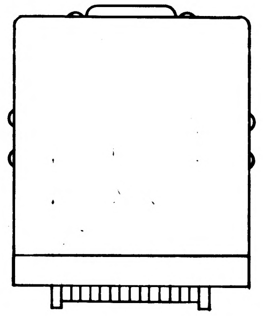
REVISIONS					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
A		REVISED PER MXC 210065		18 MAR 66	RP
B		INITIAL RELEASE CLASS A PER TDRR 22604		2 MAY 66	RP EF

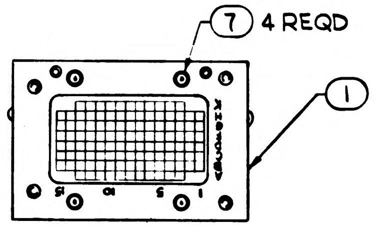
NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. BOND ITEMS ⑤ TO ITEM ③ AND ITEM ④ PER ND1002151 USING ITEMS ⑩ AND ⑪.
3. VENDOR ITEM - SEE SPECIFICATION CONTROL DRAWING.
4. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
5. SPLIT ITEM ⑧ PER MS 35489.









SEE NOTE 2				AR		11	MIL-A-25457	ADHESIVE, SILICONE
SEE NOTE 2				AR		10	1010718	PRIMER, ADHESIVE
SEE NOTE 3				2		9	1006783-19	SCREW
				1		8	MS35489-16	GROMMET
				4		7	1017418-11	SCREW
				2		6	2901022-004	SCREW, SHOULDER
				2		5	2900580-007	GASKET
				1		4	2900711-007	CLAMP, MOVABLE
				1		3	2901039	SHELL, CLAMP (INSEP ASSY)
				1		2	2901038	SHELL, COVER (INSEP ASSY)
				1		1	2901043	BASE, CONNECTOR
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

2901092	2901076-011	-011
NEXT ASSY	USED ON	APPLICABLE DASH NO.
APPLICATION		

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS + __ − DECIMALS + __ − ANGLES + __ −

DO NOT SCALE THIS DRAWING

MATERIAL ——

CONTRACT NAS 9-497

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN 19 JAN 66 DATE
CHECKED 27 JAN 66
APPROVAL Foss 29 JAN 66
APPROVAL Gehman 5/3/66
NASA APPROVAL
MIT APPROVAL McWilliams

28 JAN 66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CONNECTOR, PLUG, ELECTRICAL - 112 PIN (GSE, G&N PANEL-J7)

CODE IDENT NO. 99974
SIZE D
2901042
SCALE 1/1
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	D	REPLACES REVISION "C" WITH CHANGE PER MXC 211384		20-APR 66	M.G. / JAC
	E	INITIAL RELEASE CLASS A PER TDRR 28674		3 MAY 66	PG / EF

			1		10	2901396	CABLE ASSY BLOCK II PSAAM
			1		9	2900990	LEM PSAAM
			1		8	2901375	SERIES 100 PSAAM
			1		7	2901236	SERIES 0-50 PSAAM
			1		6	2901420	LEM SCA
			1		5	2901412	BLOCK II SCA
			1		4	2901220	SERIES 100 SCA
			1		3	2901219	SERIES 50 (-017) SCA
			1		2	2901218	SERIES 50 (-012) SCA
			1		1	2901217	CABLE ASSY SERIES "0" SCA
			011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

-011	2900895-011	2900895-011
APPLICABLE DASH NO.	NEXT ASSY	USED ON
	APPLICATION	

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± ——— 3 PLACE DECIMALS ± ——— ANGLES ± ———
DO NOT SCALE THIS DRAWING
MATERIAL ———
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.
DRAWN HETCHLER DATE 22 DEC 65
CHECKED MALIKOWSKI 22-DEC 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET
(CSL, CAL AND TEST-SCM/PSAAM)

SIZE C
CODE IDENT NO. 99974
2901044
SCALE —
SHEET 1 OF 1

NOTES:

1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	D	REPLACES REVISION "C" WITH CHANGE PER MXC 211384		20-APR 66	M.G. / JAC
Ⓜ	E	INITIAL RELEASE CLASS A PER TDRR 28674		3 MAY 66	PG / EF
	F	REVISED PER TDRR 34013		10 AUG 67	MTY / ON

		1	–		11	2901606	CABLEASSY LEM PSAAM
		1	1		10	2901396	CABLE ASSY BLOCK II PSAAM
		–	1		9	2900990	LEM PSAAM
		1	1		8	2901375	SERIES 100 PSAAM
		1	1		7	2901236	SERIES 0-50 PSAAM
		1	1		6	2901420	LEM SCA
		1	1		5	2901412	BLOCK II SCA
		1	1		4	2901220	SERIES 100 SCA
		1	1		3	2901219	SERIES 50 (-017) SCA
		1	1		2	2901218	SERIES 50 (-012) SCA
		1	1		1	2901217	CABLE ASSY SERIES "0" SCA
		021	011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

APPLICABLE DASH NO.	NEXT ASSY	USED ON
-021	2900895-031	2900895-031
-011	2900895-021	2900895-021

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± —
3 PLACE DECIMALS ± —
ANGLES ± —

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN HETCHLER DATE 22 DEC 65
CHECKED MALIKOWSKI 22-DEC 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE SET
(CSL, CAL AND TEST-SCM/PSAAM)

SIZE C
CODE IDENT NO. 99974
2901044
SCALE —
SHEET 1 OF 1

MIL-1068D D

NOTES:

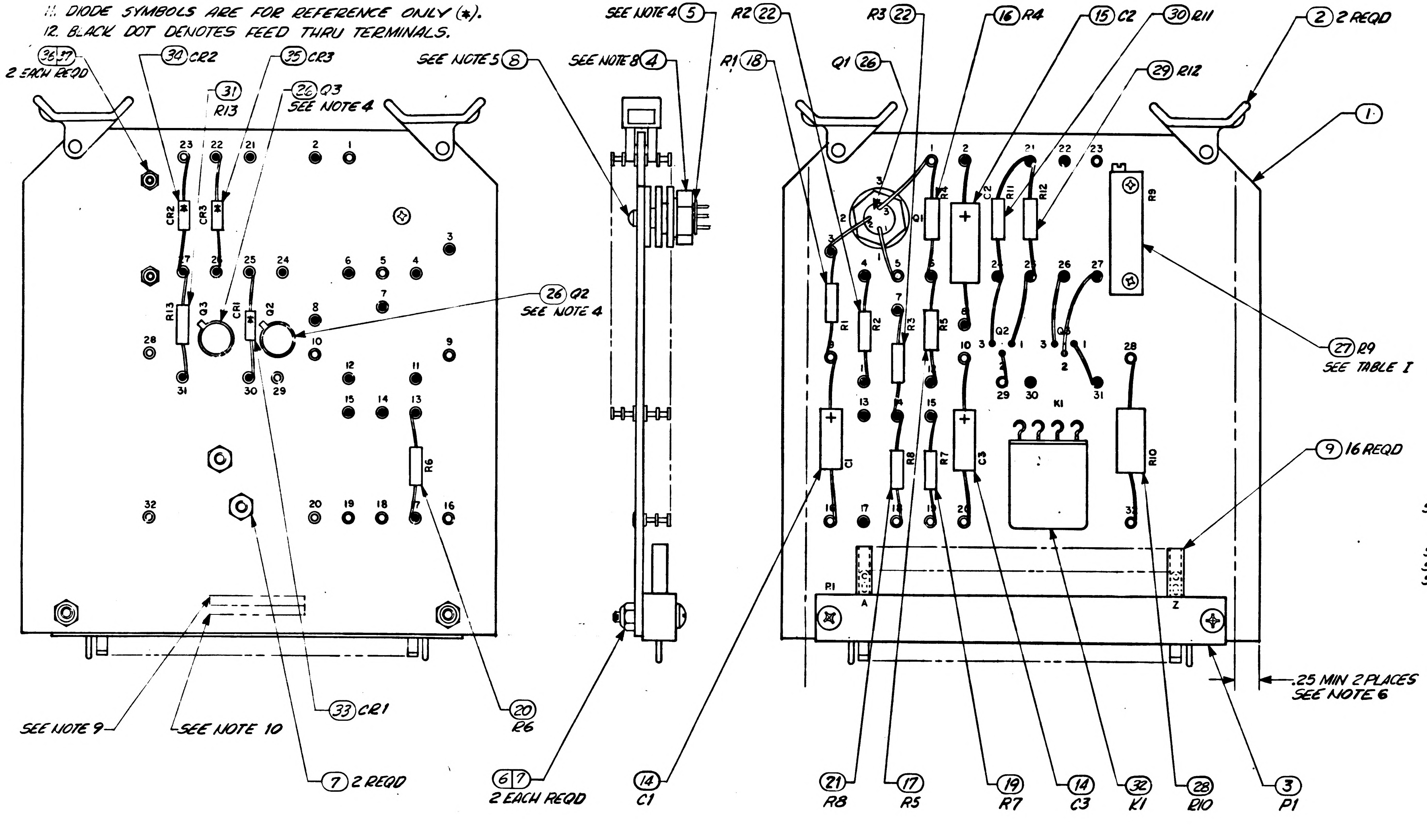
1. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
2. SOLDER PER MIL-S-6872 (ES2505-1) USING ITEM ⑬ OR ITEM ⑫ AND ITEM ⑪.
3. SERIALIZE PER ND 1002023.
4. BOND ITEM ⑤ TO ITEM ④ AND ITEM ㉖ TO ITEM ① PER ND 1002203.
5. SECURE ITEM ⑧ USING ITEM ㉕.
6. COMPONENTS AND WIRING NOT TO EXTEND INTO AREAS INDICATED.
7. VENDOR ITEM, SEE SPECIFICATION CONTROL DRAWING.
8. HEAT SINK, NUT CAP ITEM ④ LOCKING TORQUE 25-30 IN.-OZ.
9. IDENTIFY USING DRAWING NUMBER PREFIXED BY "ASSY" WITH APPLICABLE DASH NUMBER PER MIL-STD-130 (ES267).
10. MARK "SCHEM" AND APPLICABLE SCHEMATIC DRAWING NUMBER PER ND 1002019, .09 HIGH, COLOR BLACK.
11. DIODE SYMBOLS ARE FOR REFERENCE ONLY (*).
12. BLACK DOT DENOTES FEED THRU TERMINALS.

TABLE I

CONDUCTOR	TO	STRIP	TIN
R9-GRN	TERM. 28	.25	YES
R9-RED	TERM. 29	.25	YES
R9-YEL	KI-4	.25	YES

REVISIONS

ZONE	LTR	DESCRIPTION	CHG. NO.	DATE	APPROVED
	A	REVISED PER MXC 208297		17 JAN 66	
	B	REVISED PER MXC 211812		27 APR -66	B. RWH
	C	INITIAL RELEASE CLASS A PER TDRR 21657		3 MAY 66	EH



(36)(37) 2 EACH REQD
(34) CR2
(31) R13
(35) CR3
(26) Q3 SEE NOTE 4
SEE NOTE 5 (8)
SEE NOTE 8 (4)
SEE NOTE 4 (5)
R2 (22)
R3 (22)
(16) R4
(15) C2
(30) R11
(2) 2 REQD
R1 (18)
Q1 (26)
(29) R12
(1)
(26) Q2 SEE NOTE 4
(27) R9 SEE TABLE I
(9) 16 REQD
.25 MIN 2 PLACES SEE NOTE 6
SEE NOTE 9
SEE NOTE 10
(33) CR1
(20) R6
(7) 2 REQD
(6)(7) 2 EACH REQD
(14) C1
(21) R8
(17) R5
(19) R7
(14) C3
(32) K1
(28) R10
(3) P1
CR2
CR3
R13
Q3
CR1
Q2
R6
R1
R2
Q1
R3
R4
C2
R11
R12
R9
R5
K1
R10
C1
R8
R7
C3
P1
A
Z

SEE NOTE 7				2		37	1016151-002	NUT, SELF LOCKING
				2		36	MS35216-7	SCREW, PAN HEAD
				1		35	IN459 (1896966-291)	SEMICONDUCTOR MIL-S-19500
SEE NOTE 7				1		34	1015941-18	SEMICONDUCTOR, DEVICE, DIODE
SEE NOTE 7				1		33	1015941-13	SEMICONDUCTOR, DEVICE, DIODE
SEE NOTE 7				1		32	1015832-218	RELAY
				1		31	RC20GF103J	(1896952-073) RES. MIL-R-11/3
				1		30	RC20GF202J	(1896952-056) RES. MIL-R-11/3
				1		29	RC20GF512J	(1896952-066) RES. MIL-R-11/3
				1		28	RN65B1002F	(1896975-385) RES. MIL-R-10509/2
				1		27	RT12C2L103	(1896967-010) RES. MIL-R-27208/3&8
SEE NOTE 7				3		26	1015928-001	TRANSISTOR 2N2193
				AR		25	MIL-S-22473 GR"C"	SEALING & RET. COMPOUND (ES2544-3)
				X		24	PS2901045	PROCUREMENT SPEC
				X		23	2900953	SCHEMATIC, DIAGRAM, ELEC
				2		22	RN60B3322K	(1896977-435) RES MIL-R-10509/1
				1		21	RN60B2492F	(1896977-423) RES. MIL-R-10509/1
				1		20	RN60B1652F	(1896977-406) RES MIL-R-10509/1
				1		19	RN60B1002F	(1896977-385) RES MIL-R-10509/1
				1		18	RN60B1152F	(1896977-391) RES MIL-R-10509/1
				1		17	RC20GF201J	(1896952-032) RES MIL-R-11/3
				1		16	RC20GF101J	(1896952-025) RES MIL-R-11/3
				1		15	CS13BG186K	(1896954-181) CAP. MIL-C-26655/2
				2		14	CS13BF685K	(1896954-141) CAP. MIL-C-26655/2
				AR		13	SN60WRAP	SOLDER QQ-S-571 (ES2175-3)
				AR		12	MIL-F-14256 TYPE A OR W	FLUX (ES 2798)
				AR		11	SN60WS	SOLDER QQ-S-571 (ES2175-1)
				1		10	2900952	LEAD SET A-A
SEE NOTE 7				16		9	1015864-109	INSULATION, SLEEVING, ELEC.
				1		8	MS35216-11	SCREW, PAN HD
SEE NOTE 7				4		7	1016151-004	NUT, SELF LOCKING
				2		6	MS35216-17	SCREW, PAN HD.
SEE NOTE 7				1		5	1015870-001	INSULATOR, DISC.
SEE NOTE 7				1		4	1015872-001	HEAT SINK
SEE NOTE 7				1		3	1015956-177	CONNECTOR, ADAPTER, ELEC.
SEE NOTE 7				2		2	1015999-004	EJECTOR, CIRCUIT BOARD
				1		1	2900951	TERMINAL BOARD (INSEP ASSY)
				011	EFFECTIVITY	ITEM NO.	PART OR IDENTIFYING NUMBER	NOMENCLATURE OR DESCRIPTION
	QUANTITY REQUIRED					LIST OF PARTS AND MATERIALS		

NEXT ASSY	USED ON	APPLICABLE DASH NO.
2900896-011	2900895-011	

APPLICATION

THE ASSEMBLY PART NUMBER IS THE DRAWING NUMBER AND THE DASH NUMBER THAT APPLIES

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS ± .02
3 PLACE DECIMALS ±
ANGLES ±
DO NOT SCALE THIS DRAWING
MATERIAL
APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP MILWAUKEE WIS.
DRAWN DATE 7 DEC 65
CHECKED 20 DEC 65
APPROVAL
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

DC DETECTOR AND AC BUFFER AMPLIFIER ASSEMBLY

SIZE E
CODE IDENT NO. 99974
2901045
SCALE 2/1
SHEET 1 OF 1

APPLICATION	
NEXT ASSY	USED ON
2901075-011	2901075-011

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	REPLACES REV (-) WITH CHG. PER MXC 209926	11 MAR 66	CW
B	REVISED PER MXC 210429	6 APR 66	AU
C	REVISED PER MXC 211604	22 APR 66	RWH
D	INITIAL RELEASE CLASS A PER TDRR 28599	2 MAY 66	DKO EF

REV	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45

REV STATUS OF SHEETS																							
REV					D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
SHEET					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.

REFERENCE: ACSK ONLY

AC ELECTRONICS DIV.
GM CORP. MILW. WIS.

	DAY MO YR
DRAFTSMAN R. Parks	9 DEC 65
CHECKER Molye	13 DEC 65
ENGINEER G. Rhed	14 DEC 65
APPROVAL	5/3/66
CONTR NO. NAS 9-497	

NASA APPROVAL

MIT APPROVAL

MANNED SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED, W552

SIZE A
CODE IDENT. NO 99974
2901058
SCALE NONE
SHEET 1 OF 85

MIL 1377A6 12-65

REVISION STATUS OF SHEETS

SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV	SH	REV
46	D	80	D														
47	D	81	D														
48	D	82	D														
49	D	83	D														
50	D	84	D														
51	D	85	D														
52	D																
53	D																
54	D																
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74	D																
75	D																
76	D																
77	D																
78	D																
79	D																

SIZE A
CODE IDENT. NO. 99974
2901058
SCALE NONE
REV LTR D
SHEET 2 OF 85

MIL 1377A3 8-65

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
1	SHIELD TERMINATION FIGURES ARE PER – A – ND1002071 B – ND1002032
2	INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.
3	FASTEN MARKER SECURELY TO CONFORM TO CONFIGURATION USING ITEM 17.
4	VENDOR ITEM – SEE SOURCE CONTROL OR SPECIFICATION CONTROL DRAWING.
5	APPLY LEAD IDENTIFICATIONS PER ND1002019. OMIT ALL SUFFIX LETTERS EXCEPT A AND B.
6	IDENTIFY PER MIL-STD-130 (ES267) USING PART NUMBER.
7	THE SUFFIX LETTER OF A LEAD IDENTIFICATION IDENTIFIES A SHIELD LEAD, COLOR, OR MARKED LETTER – A – FROM END SHIELD B – TO END SHIELD W – WHITE
8	MARK REFERENCE DESIGNATIONS SHOWN PER ND1002019, HOT IMPRESSION STAMPING, USING .12 BLACK CHARACTERS CENTRALIZED
9	FILL THE SPACE BETWEEN WIRE BUNDLE AND GRUMMET USING ITEM 16 TO SECURE WIRE BUNDLE IN THE STRAIN RELIEF CLAMP
10	SERIALIZE PER ND1002032
11	LOCATE IDENTIFICATION SLEEVING ADJACENT TO SOLDER SLEEVES
12	ASSEMBLE PER ND1002032

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR ★ D	SHEET 3 OF 85	

MIL 2084 9-65

GENERAL NOTES

NOTE NUMBER	DESCRIPTION
13	AT ASSEMBLY OF ITEM 19 REMOVE 4 SELF-LOCKING NUTS SECURING LOCATING PINS TO CONNECTOR AND DISCARD. ATTACH ITEM 19 USING LOCATING PINS.

LEAD TOLERANCE CHART

	JKT STRIP LG	SHIELD STRIP LG	LEAD CUT LG	INS STRIP LG
UNDER 3 INCHES	+.06-.06	+.06-.06	+.06-.06	+.06-.00
3 INCH TO 3 FT	+.25-.25	+.25-.25	+.25-.25	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR ★ D	SHEET 4 OF 85	

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	1	1	2901058-001	WIRE ND 1002181 TYPE 1 CLASS 4 22 AWG WHT JKT WHT 1200 FT TOTAL LENGTH
	2	1	2901058-002	WIRE ND 1002181 TYPE 1 CLASS 1 24 AWG WHT 150 FT TOTAL LENGTH
	3	1	2901058-003	ZIPPER TUBING PER ND 1002155 TYPE 4 GREY 2.5, 2.5 DIA 4 FT TOTAL LENGTH 2 CHANNEL
4	4	300	1016369-421	CONTACT, SOCKET
	5	1	2901058-005	WIRE ND 1002181 TYPE 1 CLASS 1 16 AWG WHT 2 FT TOTAL LENGTH
	6	1	2901058-004	WIRE ND 1002181 TYPE 1 CLASS 1 20 AWGWHT 10 FT TOTAL LENGTH
4	7	300	1897300-002	CONTACT, SPRING SOCKET
4	8	300	1010763-002	SOLDER SLEEVE
4	9	300	1010490-232	INSULATION SLEEVING SHRINK FIT
4	10	1	2901434-011 ~~[illegible]~~	CONNECTOR
4	11	1	2900714-011	CONNECTOR
4	12	26	1016006-002	SPLICE REDUCER
4	13	26	1010490-258	INSULATION SLEEVING SHRINK FIT
~~4~~	~~14~~	~~2~~	~~1015902-003~~	~~TERMINAL LUG~~
4	15	3	1016128-021	BAND IDENTIFICATION

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR X X C D	SHEET 5 OF 85	

MIL 2084 9-65

LIST OF MATERIALS

SEE NOTE NUMBER	ITEM	QTY	PART NO.	DESCRIPTION
	16	AR	MIL-I-631 TYPE F FORM T BLACK GRADE A, CLASS 1	FILLER TAPE .62 WIDE, .020 THICK
	17	AR	MIL-T-7138 TYPE P, CLASS 2, BLACK	LACING TAPE
4	18	300	1015864-232	INSULATION SLEEVING, ELECT.
4	19	2	1897391	CLAMP, CABLE DUAL ENTRY
~~4~~	~~20~~	~~2~~	~~1010490-166~~	~~INSULATION SLEEVING SHRINK FIT~~
4	21	2	1016006-004	SPLICE REDUCER
4	22	2	1010490-342	INSULATION SLEEVING SHRINK FIT
4	23	1	2901434-021 ~~[illegible]~~	CONNECTOR
4	24	1	1016006-001	SPLICE REDUCER
	25	AR	MIL-I-15126 TYPE ACT	INSULATION TAPE ELEC PRESSURE SENSITIVE THERMO SETTING ADHESIVE, .75 OR -.03 WIDE (ES2716 TYPE C)
[illegible]				
	26	2	1016369-721	CONTACT, SOCKET
	27	1	1016128-041	BAND, IDENTIFICATION

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR X X C D	SHEET 6 OF 85	

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	1	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	1B	2		E1-B SHLD A1					.25 .25	NO NO			
A	1W			P1-101 P2-A3					.15 .19	NO NO		7, 18 4	
A	2	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	2B	2		E1-B SHLD A2					.25 .25	NO NO			
A	2W			P1-102 P2-A4					.15 .19	NO NO		7, 18 4	
A	3	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	3B	2		E1-B SHLD A3					.25 .25	NO NO			
A	3W			P1-103 P2-A5					.15 .19	NO NO		7, 18 4	
A	4	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	4B	2		E1-B SHLD A4					.25 .25	NO NO			
A	4W			P1-104 P2-A6					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR A D
SHEET 7 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	5	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	5B	2		E1-B SHLD A5					.25 .25	NO NO			
A	5W			P1-105 P2-B1					.15 .19	NO NO		7, 18 4	
A	6	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	6B	2		E1-B SHLD A6					.25 .25	NO NO			
A	6W			P1-106 P2-B2					.15 .19	NO NO		7, 18 4	
A	7	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	7B	2		E1-B SHLD A7					.25 .25	NO NO			
A	7W			P1-107 P2-B3					.15 .19	NO NO		7, 18 4	
A	8	1				7.25 6.25	7.00 6.00				8,7 A,6A	9 8, 9	
A	8B	2		E1-B SHLD A8					.25 .25	NO NO			
A	8W			P1-108 P2-B4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 8 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	9	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	9B	2		E1-B SHLD A9					.25 .25	NO NO			
A	9W			P1-109 P2-B5					.15 .19	NO NO		7, 18 4	
A	10	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	10B	2		E1-B SHLD A10					.25 .25	NO NO			
A	10W			P1-110 P2-B6					.15 .19	NO NO		7, 18 4	
A	11	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	11B	2		E1-B SHLD A11					.25 .25	NO NO			
A	11W			P1-111 P2-B7					.15 .19	NO NO		7, 18 4	
A	12	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	12B	2		E1-B SHLD A12					.25 .25	NO NO			
A	12W			P1-112 P2-B8					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 9 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ★

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	13	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	13B	2		E2-B SHLD A13					.25 .25	NO NO			
A	13W			P1-113 P2-C1					.15 .19	NO NO		7, 18 4	
A	14	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	14B	2		E2-B SHLD A14					.25 .25	NO NO			
A	14W			P1-114 P2-C2					.15 .19	NO NO		7, 18 4	
A	15	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	15B	2		E2-B SHLD A15					.25 .25	NO NO			
A	15W			P1-115 P2-C3					.15 .19	NO NO		7, 18 4	
A	16	1				7.75 6.75	7.50 6.50				8,7 A,6A	9 8, 9	
A	16B	2		E2-B SHLD A16					.25 .25	NO NO			
A	16W			P1-116 P2-C4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 10 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552   2901058   D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 17	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 17B	2		F2-B SHLD A17					.25 .25	NO NO			
A 17W			P1-117 P2-C5					.15 .19	NO NO		7, 16 4	
A 18	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 18B	2		E2-B SHLD A18					.25 .25	NO NO			
A 18W			P1-118 P2-C6					.15 .19	NO NO		7, 18 4	
A 19	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 19B	2		E2-B SHLD A19					.25 .25	NO NO			
A 19W			P1-119 P2-C7					.15 .19	NO NO		7, 18 4	
A 20	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 20B	2		E2-B SHLD A20					.25 .25	NO NO			
A 20W			P1-120 P2-C8					.15 .19	NO NO		7, 18 4	

SIZE A	CODE IDENT NO. 99974	2901058
SCALE-NONE	REV LTR D	SHEET 11 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552   2901058   D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 21	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 21B	2		E2-B SHLD A21					.25 .25	NO NO			
A 21W			P1-121 P2-D1					.15 .19	NO NO		7, 18 4	
A 22	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 22B	2		E2-B SHLD A22					.25 .25	NO NO			
A 22W			P1-122 P2-D2					.15 .19	NO NO		7, 18 4	
A 23	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 23B	2		E2-B SHLD A23					.25 .25	NO NO			
A 23W			P1-123 P2-D3					.15 .19	NO NO		7, 18 4	
A 24	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 24B	2		E2-B SHLD A24					.25 .25	NO NO			
A 24W			P1-124 P2-D4					.15 .19	NO NO		7, 18 4	

SIZE A	CODE IDENT NO. 99974	2901058
SCALE-NONE	REV LTR D	SHEET 12 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552   2901058   D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 25	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 25B	2		E3-B SHLD A25					.25 .25	NO NO			
A 25W			P1-125 P2-D5					15 .19	NO NO		7, 18 4	
A 26	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 26B	2		E3-B SHLD A26					.25 .25	NO NO			
A 26W			P1-126 P2-D6					.15 .19	NO NO		7, 18 4	
A 27	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 27B	2		E3-B SHLD A27					.25 .25	NO NO			
A 27W			P1-127 P2-D7					.15 .19	NO NO		7, 18 4	
A 28	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 28B	2		E3-B SHLD A28					.25 .25	NO NO			
A 28W			P1-128 P2-D8					.15 .19	NO NO		7, 18 4	

SIZE A	CODE IDENT NO. 99974	2901058
SCALE-NONE	REV LTR D	SHEET 13 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552   2901058   D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 29	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 29B	2		E3-B SHLD A29					.25 .25	NO NO			
A 29W			P1-129 P2-E1					.15 .19	NO NO		7, 18 4	
A 30	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 30B	2		E3-B SHLD A30					.25 .25	NO NO			
A 30W			P1-130 P2-E2					.15 .19	NO NO		7, 18 4	
A 31	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 31B	2		E3-B SHLD A31					.25 .25	NO NO			
A 31W			P1-131 P2-E3					.15 .19	NO NO		7, 18 4	
A 32	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 32B	2		E3-B SHLD A32					.25 .25	NO NO			
A 32W			P1-132 P2-E4					.15 .19	NO NO		7, 18 4	

SIZE A	CODE IDENT NO. 99974	2901058
SCALE-NONE	REV LTR D	SHEET 14 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 33	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 33B	2		E3-B SHLD A33					.25 .25	NO NO			
A 33W			P1-133 P2-E5					.15 .19	NO NO		7, 18 4	
A 34	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 34B	2		E3-B SHLD A34					.25 .25	NO NO			
A 34W			P1-134 P2-E6					.15 .19	NO NO		7, 18 4	
A 35	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 35B	2		E3-B SHLD A35					.25 .25	NO NO			
A 35W			P1-135 P2-E7					.15 .19	NO NO		7, 18 4	
A 36	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 36B	2		E3-B SHLD A36					.25 .25	NO NO			
A 36W			P1-136 P2-E8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 15 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 37	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 37B	2		E4-B SHLD A37					.25 .25	NO NO			
A 37W			P1-137 P2-F1					.15 .19	NO NO		7, 18 4	
A 38	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 38B	2		E4-B SHLD A38					.25 .25	NO NO			
A 38W			P1-138 P2-F2					.15 .19	NO NO		7, 18 4	
A 39	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 39B	2		E4-B SHLD A39					.25 .25	NO NO			
A 39W			P1-139 P2-F3					.15 .19	NO NO		7, 18 4	
A 40	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 40B	2		E4-B SHLD A40					.25 .25	NO NO			
A 40W			P1-140 P2-F4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 16 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 41	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 41B	2		E4-B SHLD A41					.25 .25	NO NO			
A 41W			P1-141 P2-F5					.15 .19	NO NO		7, 18 4	
A 42	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 42B	2		E4-B SHLD A42					.25 .25	NO NO			
A 42W			P1-142 P2-F6					.15 .19	NO NO		7, 18 4	
A 43	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 43B	2		E4-B SHLD A43					.25 .25	NO NO			
A 43W			P1-143 P2-F7					.15 .19	NO NO		7, 18 4	
A 44	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 44B	2		E4-B SHLD A44					.25 .25	NO NO			
A 44W			P1-144 P2-F8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 17 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 45	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 45B	2		E4-B SHLD A45					.25 .25	NO NO			
A 45W			P1-145 P2-G1					.15 .19	NO NO		7, 18 4	
A 46	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 46B	2		E4-B SHLD A46					.25 .25	NO NO			
A 46W			P1-146 P2-G2					.15 .19	NO NO		7, 18 4	
A 47	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 47B	2		E4-B SHLD A47					.25 .25	NO NO			
A 47W			P1-147 P2-G3					.15 .19	NO NO		7, 18 4	
A 48	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 48B	2		E4-B SHLD A48					.25 .25	NO NO			
A 48W			P1-148 P2-G4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 18 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 49	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 49B	2		E5-B SHLD A49					.25 .25	NO NO			
A 49W			P1-149 P2-G5					.15 .19	NO NO		7, 18 4	
A 50	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 50B	2		E5-B SHLD A50					.25 .25	NO NO			
A 50W			P1-150 P2-G6					.15 .19	NO NO		7, 18 4	
A 51	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 51B	2		E5-B SHLD A51					.25 .25	NO NO			
A 51W			P1-201 P2-G7					.15 .19	NO NO		7, 18 4	
A 52	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 52B	2		E5-B SHLD A52					.25 .25	NO NO			
A 52W			P1-202 P2-G8					.15 .19	NO NO		7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 53	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 53B	2		E5-B SHLD A53					.25 .25	NO NO			
A 53W			P1-203 P2-H1					.15 .19	NO NO		7, 18 4	
A 54	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 54B	2		E5-B SHLD A54					.25 .25	NO NO			
A 54W			P1-204 P2-H2					.15 .19	NO NO		7, 18 4	
A 55	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 55B	2		E5-B SHLD A55					.25 .25	NO NO			
A 55W			P1-205 P2-H3					.15 .19	NO NO		7, 18 4	
A 56	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 56B	2		E5-B SHLD A56					.25 .25	NO NO			
A 56W			P1-206 P2-H4					.15 .19	NO NO		7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 57	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 57B	2		E5-B SHLD A57					.25 .25				
A 57W			P1-207 P2-H5					.15 .19			7, 18 4	
A 58	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 58B	2		E5-B SHLD A58					.25 .25				
A 58W			P1-208 P2-H6					.15 .19			7, 18 4	
A 59	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 59B	2		E5-B SHLD A59					.25 .25				
A 59W			P1-209 P2-H7					.15 .19			7, 18 4	
A 60	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 60B	2		E5-B SHLD A60					.25 .25				
A 60W			P1-210 P2-H8					.15 .19			7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 61	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 61B	2		E6-B SHLD A61					.25 .25				
A 61W			P1-211 P2-J1					.15 .19			7, 18 4	
A 62	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 62B	2		E6-B SHLD A62					.25 .25				
A 62W			P1-212 P2-J2					.15 .19			7, 18 4	
A 63	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 63B	2		E6-B SHLD A63					.25 .25				
A 63W			P1-213 P2-J3					.15 .19			7, 18 4	
A 64	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 64B	2		E6-B SHLD A64					.25 .25				
A 64W			P1-214 P2-J4					.15 .19			7, 18 4	

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 65	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 65B	2		E6-B SHLD A65					.25 .25	NO NO			
A 65W			P1-215 P2-J5					.15 .19	NO NO		7, 18 4	
A 66	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 66B	2		E6-B SHLD A66					.25 .25	NO NO			
A 66W			P1-216 P2-J6					.15 .19	NO NO		7, 18 4	
A 67	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 67B	2		E6-B SHLD A67					.25 .25	NO NO			
A 67W			P1-217 P2-J7					.15 .19	NO NO		7, 18 4	
A 68	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 68B	2		E6-B SHLD A68					.25 .25	NO NO			
A 68W			P1-218 P2-J8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 23 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 69	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 69B	2		E6-B SHLD A69					.25 .25	NO NO			
A 69W			P1-219 P2-K1					.15 .19	NO NO		7, 18 4	
A 70	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 70B	2		E6-B SHLD A70					.25 .25	NO NO			
A 70W			P1-220 P2-K2					.15 .19	NO NO		7, 18 4	
A 71	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 71B	2		E6-B SHLD A71					.25 .25	NO NO			
A 71W			P1-221 P2-K3					.15 .19	NO NO		7, 18 4	
A 72	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 72B	2		E6-B SHLD A72					.25 .25	NO NO			
A 72W			P1-222 P2-K6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 24 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 73	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 73B	2		E7-B SHLD A73					.25 .25	NO NO			
A 73W			P1-223 P2-K7					.15 .19	NO NO		7, 18 4	
A 74	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 74B	2		E7-B SHLD A74					.25 .25	NO NO			
A 74W			P1-224 P2-K8					.15 .19	NO NO		7, 18 4	
A 75	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 75B	2		E7-B SHLD A75					.25 .25	NO NO			
A 75W			P1-225 P2-L1					.15 .19	NO NO		7, 18 4	
A 76	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 76B	2		E7-B SHLD A76					.25 .25	NO NO			
A 76W			P1-226 P2-L2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 25 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 77	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 77B	2		E7-B SHLD A77					.25 .25	NO NO			
A 77W			P1-227 P2-L7					.15 .19	NO NO		7, 18 4	
A 78	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 78B	2		E7-B SHLD A78					.25 .25	NO NO			
A 78W			P1-228 P2-L8					.15 .19	NO NO		7, 18 4	
A 79	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 79B	2		E7-B SHLD A79					.25 .25	NO NO			
A 79W			P1-229 P2-M1					.15 .19	NO NO		7, 18 4	
A 80	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 80B	2		E7-B SHLD A80					.25 .25	NO NO			
A 80W			P1-230 P2-M2					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 26 OF 85

CABLE ASSEMBLY W552 2901058 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	81	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	81B	2		E7-8 SHLD A81					.25 .25	NO NO			
A	81W			P1-231 P2-M3					.15 .19	NO NO		7, 18 4	
A	82	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	82B	2		E7-8 SHLD A82					.25 .25	NO NO			
A	82W			P1-232 P2-M6					.15 .19	NO NO		7, 18 4	
A	83	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	83B	2		E7-8 SHLD A83					.25 .25	NO NO			
A	83W			P1-233 P2-M7					.15 .19	NO NO		7, 18 4	
A	84	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	84B	2		E7-8 SHLD A84					.25 .25	NO NO			
A	84W			P1-234 P2-M8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 27 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	85	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	85B	2		E8-8 SHLD A85					.25 .25	NO NO			
A	85W			P1-235 P2-N1					.15 .19	NO NO		7, 18 4	
A	86	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	86B	2		E8-8 SHLD A86					.25 .25	NO NO			
A	86W			P1-236 P2-N2					.15 .19	NO NO		7, 18 4	
A	87	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	87B	2		E8-8 SHLD A87					.25 .25	NO NO			
A	87W			P1-237 P2-N3					.15 .19	NO NO		7, 18 4	
A	88	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A	88B	2		E8-8 SHLD A88					.25 .25	NO NO			
A	88W			P1-238 P2-N4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 28 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	89	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	89B	2		E8-8 SHLD A89					.25 .25	NO NO			
A	89W			P1-239 P2-N5					.15 .19	NO NO		7, 18 4	
A	90	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	90B	2		E8-8 SHLD A90					.25 .25	NO NO			
A	90W			P1-240 P2-N6					.15 .19	NO NO		7, 18 4	
A	91	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	91B	2		E8-8 SHLD A91					.25 .25	NO NO			
A	91W			P1-241 P2-N7					.15 .19	NO NO		7, 18 4	
A	92	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	92B	2		E8-8 SHLD A92					.25 .25	NO NO			
A	92W			P1-242 P2-N8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 29 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

	LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A	93	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	93B	2		E8-8 SHLD A93					.25 .25	NO NO			
A	93W			P1-243 P2-P1					.15 .19	NO NO		7, 18 4	
A	94	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	94B	2		E8-8 SHLD A94					.25 .25	NO NO			
A	94W			P1-244 P2-P2					.15 .19	NO NO		7, 18 4	
A	95	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	95B	2		E8-8 SHLD A95					.25 .25	NO NO			
A	95W			P1-245 P2-P3					.15 .19	NO NO		7, 18 4	
A	96	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A	96B	2		E8-8 SHLD A96					.25 .25	NO NO			
A	96W			P1-246 P2-P4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 30 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 97	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 97B	2		E9-B SHLD A97					.25 .25	NO NO			
A 97W			P1-247 P2-P5					.15 .19	NO NO		7, 18 4	
A 98	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 98B	2		E9-B SHLD A98					.25 .25	NO NO			
A 98W			P1-248 P2-P6					.15 .19	NO NO		7, 18 4	
A 99	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 99B	2		E9-B SHLD A99					.25 .25	NO NO			
A 99W			P1-249 P2-P7					.15 .19	NO NO		7, 18 4	
A 100	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 100B	2		E9-B SHLD A100					.25 .25	NO NO			
A 100W			P1-250 P2-P8					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 31 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 101	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 101B	2		E9-B SHLD A101					.25 .25	NO NO			
A 101W			P1-301 P2-R1					.15 .19	NO NO		7, 18 4	
A 102	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 102B	2		E9-B SHLD A102					.25 .25	NO NO			
A 102W			P1-302 P2-R2					.15 .19	NO NO		7, 18 4	
A 103	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 103B	2		E9-B SHLD A103					.25 .25	NO NO			
A 103W			P1-303 P2-R3					.15 .19	NO NO		7, 18 4	
A 104	1				4.25 4.25	4.00 4.00				8,7 A,6A	9 8, 9	
A 104B	2		E9-B SHLD A104					.25 .25	NO NO			
A 104W			P1-304 P2-R4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 32 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 105	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 105B	2		E9-B SHLD A105					.25 .25	NO NO			
A 105W			P1-305 P2-R5					.15 .19	NO NO		7, 18 4	
A 106	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 106B	2		E9-B SHLD A106					.25 .25	NO NO			
A 106W			P1-306 P2-R6					.15 .19	NO NO		7, 18 4	
A 107	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 107B	2		E9-B SHLD A107					.25 .25	NO NO			
A 107W			P1-307 P2-R7					.15 .19	NO NO		7, 18 4	
A 108	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 108B	2		E9-B SHLD A108					.25 .25	NO NO			
A 108W			P1-308 P2-R8					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 33 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 109	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 109B	2		E10-B SHLD A109					.25 .25	NO NO			
A 109W			P1-309 P2-S1					.15 .19	NO NO		7, 18 4	
A 110	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 110B	2		E10-B SHLD A110					.25 .25	NO NO			
A 110W			P1-310 P2-S2					.15 .19	NO NO		7, 18 4	
A 111	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 111B	2		E10-B SHLD A111					.25 .25	NO NO			
A 111W			P1-311 P2-S3					.15 .19	NO NO		7, 18 4	
A 112	1				4.75 4.75	4.50 4.50				8,7 A,6A	9 8, 9	
A 112B	2		E10-B SHLD A112					.25 .25	NO NO			
A 112W			P1-312 P2-S4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 34 OF

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 113	1				5.25 5.25	5.00 5.00				8,7 A,6A	9 8, 9	
A 113B	2		E10-8 SHLD A113					.25 .25	NO NO			
A 113W			P1-313 P2-S5					.15 .19	NO NO		7, 18 4	
A 114	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 114B	2		E10-8 SHLD A114					.25 .25	NO NO			
A 114W			P1-314 P2-S6					.15 .19	NO NO		7, 18 4	
A 115	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 115B	2		E10-8 SHLD A115					.25 .25	NO NO			
A 115W			P1-315 P2-S7					.15 .19	NO NO		7, 18 4	
A 116	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 116B	2		E10-8 SHLD A116					.25 .25	NO NO			
A 116W			P1-316 P2-S8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR	D	SHEET 35 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 117	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 117B	2		E10-8 SHLD A117					.25 .25	NO NO			
A 117W			P1-317 P2-T1					.15 .19	NO NO		7, 18 4	
A 118	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 118B	2		E10-8 SHLD A118					.25 .25	NO NO			
A 118W			P1-318 P2-T2					.15 .19	NO NO		7, 18 4	
A 119	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 119B	2		E10-8 SHLD A119					.25 .25	NO NO			
A 119W			P1-319 P2-T3					.15 .19	NO NO		7, 18 4	
A 120	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 120B	2		E10-8 SHLD A120					.25 .25	NO NO			
A 120W			P1-320 P2-T4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR	D	SHEET 36 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 121	1				5.75 5.75	5.50 5.50				8,7 A,6A	9 8, 9	
A 121B	2		E11-8 SHLD A121					.25 .25				
A 121W			P1-321 P2-T5					.15 .19			7, 18 4	
A 122	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 122B	2		E11-8 SHLD A122					.25 .25				
A 122W			P1-322 P2-T6					.15 .19			7, 18 4	
A 123	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 123B	2		E11-8 SHLD A123					.25 .25				
A 123W			P1-323 P2-T7					.15 .19			7, 18 4	
A 124	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 124B	2		E11-8 SHLD A124					.25 .25				
A 124W			P1-324 P2-T8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR	D	SHEET 37 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 125	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 125B	2		E11-8 SHLD A125					.25 .25				
A 125W			P1-325 P2-U1					.15 .19			7, 18 4	
A 126	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 126B	2		E11-8 SHLD A126					.25 .25				
A 126W			P1-326 P2-U2					.15 .19			7, 18 4	
A 127	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 127B	2		E11-8 SHLD A127					.25 .25				
A 127W			P1-327 P2-U3					.15 .19			7, 18 4	
A 128	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 128B	2		E11-8 SHLD A128					.25 .25				
A 128W			P1-328 P2-U4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.		
A	99974	2901058	
SCALE-NONE	REV LTR	D	SHEET 38 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 129	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 129B	2		E11-B SHLD A129					.25 .25	NO NO			
A 129W			P1-329 P2-U5					.15 .19	NO NO		7, 18 4	
A 130	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 130B	2		E11-B SHLD A130					.25 .25	NO NO			
A 130W			P1-330 P2-U6					.15 .19	NO NO		7, 18 4	
A 131	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 131B	2		E11-B SHLD A131					.25 .25	NO NO			
A 131W			P1-331 P2-U7					.15 .19	NO NO		7, 18 4	
A 132	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 132B	2		E11-B SHLD A132					.25 .25	NO NO			
A 132W			P1-332 P2-U8					.15 .19	NO NO		7, 18 4	

SIZE A | CODE IDENT NO. 99974 | 2901058

SCALE-NONE | REV LTR D | SHEET 39 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 133	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 133B	2		E12-B SHLD A133					.25 .25	NO NO			
A 133W			P1-333 P2-V1					.15 .19	NO NO		7, 18 4	
A 134	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 134B	2		E12-B SHLD A134					.25 .25	NO NO			
A 134W			P1-334 P2-V2					.15 .19	NO NO		7, 18 4	
A 135	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 135B	2		E12-B SHLD A135					.25 .25	NO NO			
A 135W			P1-335 P2-V3					.15 .19	NO NO		7, 18 4	
A 136	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 136B	2		E12-B SHLD A136					.25 .25	NO NO			
A 136W			P1-336 P2-V4					.15 .19	NO NO		7, 18 4	

SIZE A | CODE IDENT NO. 99974 | 2901058

SCALE-NONE | REV LTR D | SHEET 40 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 137	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 137B	2		E12-B SHLD A137					.25 .25	NO NO			
A 137W			P1-337 P2-V5					.15 .19	NO NO		7, 18 4	
A 138	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 138B	2		E12-B SHLD A138					.25 .25	NO NO			
A 138W			P1-338 P2-V6					.15 .19	NO NO		7, 18 4	
A 139	1				7.75 2.75	7.50 2.50				B,7 A,6A	9 8, 9	
A 139B	2		E12-B SHLD A139					.25 .25	NO NO			
A 139W			P1-339 P2-V7					.15 .19	NO NO		7, 18 4	
A 140	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 140B	2		E12-B SHLD A140					.25 .25	NO NO			
A 140W			P1-340 P2-V8					.15 .19	NO NO		7, 18 4	

SIZE A | CODE IDENT NO. 99974 | 2901058

SCALE-NONE | REV LTR D | SHEET 41 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 141	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 141B	2		E12-B SHLD A141					.25 .25	NO NO			
A 141W			P1-341 P2-W1					.15 .19	NO NO		7, 18 4	
A 142	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 142B	2		E12-B SHLD A142					.25 .25	NO NO			
A 142W			P1-342 P2-W2					.15 .19	NO NO		7, 18 4	
A 143	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 143B	2		E12-B SHLD A143					.25 .25	NO NO			
A 143W			P1-343 P2-W3					.15 .19	NO NO		7, 18 4	
A 144	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 144B	2		E12-B SHLD A144					.25 .25	NO NO			
A 144W			P1-344 P2-W4					.15 .19	NO NO		7, 18 4	

SIZE A | CODE IDENT NO. 99974 | 2901058

SCALE-NONE | REV LTR D | SHEET 42 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 145	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 145B	2		E13-B SHLD A145					.25 .25	NO NO			
A 145W			P1-345 P2-W5					.15 .19	NO NO		7, 18 4	
A 146	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 146B	2		E13-B SHLD A146					.25 .25	NO NO			
A 146W			P1-346 P2-W6					.15 .19	NO NO		7, 18 4	
A 147	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 147B	2		E13-B SHLD A147					.25 .25	NO NO			
A 147W			P1-347 P2-W7					.15 .19	NO NO		7, 18 4	
A 148	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 148B	2		E13-B SHLD A148					.25 .25	NO NO			
A 148W			P1-348 P2-W8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 43 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 149	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 149B	2		E13-B SHLD A149					.25 .25	NO NO			
A 149W			P1-349 P2-X3					.15 .19	NO NO		7, 18 4	
A 150	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 150B	2		E13-B SHLD A150					.25 .25	NO NO			
A 150W			P1-350 P2-X4					.15 .19	NO NO		7, 18 4	
A 151	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 151B	2		E13-B SHLD A151					.25 .25	NO NO			
A 151W			P1-401 P2-X5					.15 .19	NO NO		7, 18 4	
A 152	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 152B	2		E13-B SHLD A152					.25 .25	NO NO			
A 152W			P1-402 P3-X5					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 44 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 153	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 153B	2		E14-B SHLD A153					.25 .25	NO NO			
A 153W			P1-403 P3-A3					.15 .19	NO NO		7, 18 4	
A 154	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 154B	2		E14-B SHLD A154					.25 .25	NO NO			
A 154W			P1-404 P3-A4					.15 .19	NO NO		7, 18 4	
A 155	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 155B	2		E14-B SHLD A155					.25 .25	NO NO			
A 155W			P1-405 P3-A5					.15 .19	NO NO		7, 18 4	
A 156	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 156B	2		E14-B SHLD A156					.25 .25	NO NO			
A 156W			P1-406 P3-A6					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 45 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 157	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 157B	2		E14-B SHLD A157					.25 .25	NO NO			
A 157W			P1-407 P3-B1					.15 .19	NO NO		7, 18 4	
A 158	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 158B	2		E14-B SHLD A158					.25 .25	NO NO			
A 158W			P1-408 P3-B2					.15 .19	NO NO		7, 18 4	
A 159	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 159B	2		E14-B SHLD A159					.25 .25	NO NO			
A 159W			P1-409 P3-B3					.15 .19	NO NO		7, 18 4	
A 160	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 160B	2		E14-B SHLD A160					.25 .25	NO NO			
A 160W			P1-410 P3-B4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 46 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 193	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 193B	2		E17-B SHLD A193					.25 .25	NO NO			
A 193W			P1-443 P3-F5					.15 .19	NO NO		7, 18 4	
A 194	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 194B	2		E17-B SHLD A194					.25 .25	NO NO			
A 194W			P1-444 P3-F6					.15 .19	NO NO		7, 18 4	
A 195	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 195B	2		E17-B SHLD A195					.25 .25	NO NO			
A 195W			P1-445 P3-F7					.15 .19	NO NO		7, 18 4	
A 196	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 196B	2		E17-B SHLD A196					.25 .25	NO NO			
A 196W			P1-446 P3-F8					.15 .19	NO NO		7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 197	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 197B	2		E17-B SHLD A197					.25 .25	NO NO			
A 197W			P1-447 P3-G1					.15 .19	NO NO		7, 18 4	
A 198	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 198B	2		E17-B SHLD A198					.25 .25	NO NO			
A 198W			P1-448 P3-G2					.15 .19	NO NO		7, 18 4	
A 199	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 199B	2		E17-B SHLD A199					.25 .25	NO NO			
A 199W			P1-449 P3-G3					.15 .19	NO NO		7, 18 4	
A 200	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 200B	2		E17-B SHLD A200					.25 .25	NO NO			
A 200W			P1-450 P3-G4					.15 .19	NO NO		7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 201	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 201B	2		E18-B SHLD A201					.25 .25	NO NO			
A 201W			P1-501 P3-G5					.15 .19	NO NO		7, 18 4	
A 202	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 202B	2		E18-B SHLD A202					.25 .25	NO NO			
A 202W			P1-502 P3-G6					.15 .19	NO NO		7, 18 4	
A 203	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 203B	2		E18-B SHLD A203					.25 .25	NO NO			
A 203W			P1-503 P3-G7					.15 .19	NO NO		7, 18 4	
A 204	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 204B	2		E18-B SHLD A204					.25 .25	NO NO			
A 204W			P1-504 P3-G8					.15 .19	NO NO		7, 18 4	

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 205	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 205B	2		E18-B SHLD A205					.25 .25	NO NO			
A 205W			P1-505 P3-H1					.15 .19	NO NO		7, 18 4	
A 206	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 206B	2		E18-B SHLD A206					.25 .25	NO NO			
A 206W			P1-506 P3-H2					.15 .19	NO NO		7, 18 4	
A 207	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 207B	2		E18-B SHLD A207					.25 .25	NO NO			
A 207W			P1-507 P3-H3					.15 .19	NO NO		7, 18 4	
A 208	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 208B	2		E18-B SHLD A208					.25 .25	NO NO			
A 208W			P1-508 P3-H4					.15 .19	NO NO		7, 18 4	

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 209	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 209B	2		E18-B SHLD A209					.25 .25	NO NO			
A 209W			P1-509 P3-H5					.15 .19	NO NO		7, 18 4	
A 210	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 210B	2		E18-B SHLD A210					.25 .25	NO NO			
A 210W			P1-510 P3-H6					.15 .19	NO NO		7, 18 4	
A 211	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 211B	2		E18-B SHLD A211					.25 .25	NO NO			
A 211W			P1-511 P3-H7					.15 .19	NO NO		7, 18 4	
A 212	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 212B	2		E18-B SHLD A212					.25 .25	NO NO			
A 212W			P1-512 P3-H8					.15 .19	NO NO		7, 18 4	

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CODE IDENT NO. 99974
2901058
SCALE-NONE
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 213	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 213B	2		E19-B SHLD A213					.25 .25	NO NO			
A 213W			P1-513 P3-J1					.15 .19	NO NO		7, 18 4	
A 214	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 214B	2		E19-B SHLD A214					.25 .25	NO NO			
A 214W			P1-514 P3-J2					.15 .19	NO NO		7, 18 4	
A 215	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 215B	2		E19-B SHLD A215					.25 .25	NO NO			
A 215W			P1-515 P3-J3					.15 .19	NO NO		7, 18 4	
A 216	1				6.25 3.25	6.00 3.00				8,7 A,6A	9 8, 9	
A 216B	2		E19-B SHLD A216					.25 .25	NO NO			
A 216W			P1-516 P3-J4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 217	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 217B	2		E19-B SHLD A217					.25 .25	NO NO			
A 217W			P1-517 P3-J5					.15 .19	NO NO		7, 18 4	
A 218	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 218B	2		E19-B SHLD A218					.25 .25	NO NO			
A 218W			P1-518 P3-J6					.15 .19	NO NO		7, 18 4	
A 219	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 219B	2		E19-B SHLD A219					.25 .25	NO NO			
A 219W			P1-519 P3-J7					.15 .19	NO NO		7, 18 4	
A 220	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 220B	2		E19-B SHLD A220					.25 .25	NO NO			
A 220W			P1-520 P3-J8					.15 .19	NO NO		7, 18 4	

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CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 221	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 221B	2		E19-B SHLD A221					.25 .25	NO NO			
A 221W			P1-521 P3-K1					.15 .19	NO NO		7, 18 4	
A 222	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 222B	2		E19-B SHLD A222					.25 .25	NO NO			
A 222W			P1-522 P3-K2					.15 .19	NO NO		7, 18 4	
A 223	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 223B	2		E19-B SHLD A223					.25 .25	NO NO			
A 223W			P1-523 P3-K3					.15 .19	NO NO		7, 18 4	
A 224	1				6.75 3.75	6.50 3.50				8,7 A,6A	9 8, 9	
A 224B	2		E19-B SHLD A224					.25 .25	NO NO			
A 224W			P1-524 P3-K6					.15 .19	NO NO		7, 18 4	

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CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 225	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 225B	2		E20-B SHLD A225					.25 .25	NO NO			
A 225W			P1-525 P3-K7					.15 .19	NO NO		7, 18 4	
A 226	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 226B	2		E20-B SHLD A226					.25 .25	NO NO			
A 226W			P1-526 P3-K8					.15 .19	NO NO		7, 18 4	
A 227	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 227B	2		E20-B SHLD A227					.25 .25	NO NO			
A 227W			P1-527 P3-L1					.15 .19	NO NO		7, 18 4	
A 228	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 228B	2		E20-B SHLD A228					.25 .25	NO NO			
A 228W			P1-528 P3-L2					.15 .19	NO NO		7, 18 4	

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SCALE-NONE | REV LTR D | SHEET 63 OF 85

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 229	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 229B	2		E20-B SHLD A229					.25 .25	NO NO			
A 229W			P1-529 P3-L7					.15 .19	NO NO		7, 18 4	
A 230	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 230B	2		E20-B SHLD A230					.25 .25	NO NO			
A 230W			P1-530 P3-L3					.15 .19	NO NO		7, 18 4	
A 231	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 231B	2		E20-B SHLD A231					.25 .25	NO NO			
A 231W			P1-531 P3-M1					.15 .19	NO NO		7, 18 4	
A 232	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 232B	2		E20-B SHLD A232					.25 .25	NO NO			
A 232W			P1-532 P3-M2					.15 .19	NO NO		7, 18 4	

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SCALE-NONE | REV LTR D | SHEET 64 OF 85

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 233	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 233B	2		E20-B SHLD A233					.25 .25	NO NO			
A 233W			P1-533 P3-M3					.15 .19	NO NO		7, 18 4	
A 234	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 234B	2		E20-B SHLD A234					.25 .25	NO NO			
A 234W			P1-534 P3-M6					.15 .19	NO NO		7, 18 4	
A 235	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 235B	2		E20-B SHLD A235					.25 .25	NO NO			
A 235W			P1-535 P3-M7					.15 .19	NO NO		7, 18 4	
A 236	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 236B	2		E20-B SHLD A236					.25 .25	NO NO			
A 236W			P1-536 P3-M8					.15 .19	NO NO		7, 18 4	

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 237	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 237B	2		E21-B SHLD A237					.25 .25	NO NO			
A 237W			P1-537 P3-N1					.15 .19	NO NO		7, 18 4	
A 238	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 238B	2		E21-B SHLD A238					.25 .25	NO NO			
A 238W			P1-538 P3-N2					.15 .19	NO NO		7, 18 4	
A 239	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 239B	2		E21-B SHLD A239					.25 .25	NO NO			
A 239W			P1-539 P3-N3					.15 .19	NO NO		7, 18 4	
A 240	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 240B	2		E21-B SHLD A240					.25 .25	NO NO			
A 240W			P1-540 P3-N4					.15 .19	NO NO		7, 18 4	

SIZE A | CODE IDENT NO. 99974 | 2901058

SCALE-NONE | REV LTR D | SHEET 66 OF 85

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 241	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 241B	2		E21-B SHLD A241					.25 .25	NO NO			
A 241W			P1-541 P3-N5					.15 .19	NO NO		7, 18 4	
A 242	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 242B	2		E21-B SHLD A242					.25 .25	NO NO			
A 242W			P1-542 P3-N6					.15 .19	NO NO		7, 18 4	
A 243	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 243B	2		E21-B SHLD A243					.25 .25	NO NO			
A 243W			P1-543 P3-N7					.15 .19	NO NO		7, 18 4	
A 244	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 244B	2		E21-B SHLD A244					.25 .25	NO NO			
A 244W			P1-544 P3-N8					.15 .19	NO NO		7, 18 4	

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A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 67 OF 85

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LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 245	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 245B	2		E21-B SHLD A245					.25 .25	NO NO			
A 245W			P1-545 P3-P1					.15 .19	NO NO		7, 18 4	
A 246	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 246B	2		E21-B SHLD A246					.25 .25	NO NO			
A 246W			P1-546 P3-P2					.15 .19	NO NO		7, 18 4	
A 247	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 247B	2		E21-B SHLD A247					.25 .25	NO NO			
A 247W			P1-547 P3-P3					.15 .19	NO NO		7, 18 4	
A 248	1				5.25 5.25	5.00 5.00				B,7 A,6A	9 8, 9	
A 248B	2		E21-B SHLD A248					.25 .25	NO NO			
A 248W			P1-548 P3-P4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 68 OF 85

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 249	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 249B	2		E22-B SHLD A249					.25 .25				
A 249W			P1-549 P3-P5					.15 .19			7, 18 4	
A 250	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 250B	2		E22-B SHLD A250					.25 .25				
A 250W			P1-550 P3-P6					.15 .19			7, 18 4	
A 251	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 251B	2		E22-B SHLD A251					.25 .25				
A 251W			P1-601 P3-P7					.15 .19			7, 18 4	
A 252	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 252B	2		E22-B SHLD A252					.25 .25				
A 252W			P1-602 P3-P8					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 69 OF 85

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CABLE ASSEMBLY W552 2901058 D★

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 253	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 253B	2		E22-B SHLD A253					.25 .25				
A 253W			P1-603 P3-R1					.15 .19			7, 18 4	
A 254	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 254B	2		E22-B SHLD A254					.25 .25				
A 254W			P1-604 P3-R2					.15 .19			7, 18 4	
A 255	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 255B	2		E22-B SHLD A255					.25 .25				
A 255W			P1-605 P3-R3					.15 .19			7, 18 4	
A 256	1				5.75 5.75	5.50 5.50				B,7 A,6A	9 8, 9	
A 256B	2		E22-B SHLD A256					.25 .25				
A 256W			P1-606 P3-R4					.15 .19			7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 70 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 257	1				2.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 257B	2		E22-B SHLD A257					.25 .25	NO NO			
A 257W			P1-607 P3-R5					.15 .19	NO NO		7, 18 4	
A 258	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 258B	2		E22-B SHLD A258					.25 .25	NO NO			
A 258W			P1-608 P3-R6					.15 .19	NO NO		7, 18 4	
A 259	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 259B	2		E22-B SHLD A259					.25 .25	NO NO			
A 259W			P1-609 P3-R7					.15 .19	NO NO		7, 18 4	
A 260	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 260B	2		E22-B SHLD A260					.25 .25	NO NO			
A 260W			P1-610 P3-R8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 71 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 261	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 261B	2		E23-B SHLD A261					.25 .25	NO NO			
A 261W			P1-611 P3-S1					.15 .19	NO NO		7, 18 4	
A 262	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 262B	2		E23-B SHLD A262					.25 .25	NO NO			
A 262W			P1-612 P3-S2					.15 .19	NO NO		7, 18 4	
A 263	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 263B	2		E23-B SHLD A263					.25 .25	NO NO			
A 263W			P1-613 P3-S3					.15 .19	NO NO		7, 18 4	
A 264	1				7.25 6.25	7.00 6.00				B,7 A,6A	9 8, 9	
A 264B	2		E23-B SHLD A264					.25 .25	NO NO			
A 264W			P1-614 P3-S4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 72 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 265	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 265B	2		E23-B SHLD A265					.25 .25	NO NO			
A 265W			P1-615 P3-S5					.15 .19	NO NO		7, 18 4	
A 266	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 266B	2		E23-B SHLD A266					.25 .25	NO NO			
A 266W			P1-616 P3-S6					.15 .19	NO NO		7, 18 4	
A 267	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 267B	2		E23-B SHLD A267					.25 .25	NO NO			
A 267W			P1-617 P3-S7					.15 .19	NO NO		7, 18 4	
A 268	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 268B	2		E23-B SHLD A268					.25 .25	NO NO			
A 268W			P1-618 P3-S8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 73 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM.JKT AREA NO.	STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 269	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 269B	2		E23-B SHLD A269					.25 .25	NO NO			
A 269W			P1-619 P3-T1					.15 .19	NO NO		7, 18 4	
A 270	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 270B	2		E23-B SHLD A270					.25 .25	NO NO			
A 270W			P1-620 P3-T2					.15 .19	NO NO		7, 18 4	
A 271	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 271B	2		E23-B SHLD A271					.25 .25	NO NO			
A 271W			P1-621 P3-T3					.15 .19	NO NO		7, 18 4	
A 272	1				7.75 6.75	7.50 6.50				B,7 A,6A	9 8, 9	
A 272B	2		E23-B SHLD A272					.25 .25	NO NO			
A 272W			P1-622 P3-T4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 74 OF 85

MIL 2084 9-65

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 273	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 273B	2		E24-B SHLD A273					.25 .25	NO NO			
A 273W			P1-623 P3-T5					.15 .19	NO NO		7, 18 4	
A 274	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 274B	2		E24-B SHLD A274					.25 .25	NO NO			
A 274W			P1-624 P3-T6					.15 .19	NO NO		7, 18 4	
A 275	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 275B	2		E24-B SHLD A275					.25 .25	NO NO			
A 275W			P1-625 P3-T7					.15 .19	NO NO		7, 18 4	
A 276	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 276B	2		E24-B SHLD A276					.25 .25	NO NO			
A 276W			P1-626 P3-T8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 75 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 277	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 277B	2		E24-B SHLD A277					.25 .25	NO NO			
A 277W			P1-627 P3-U1					.15 .19	NO NO		7, 18 4	
A 278	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 278B	2		E24-B SHLD A278					.25 .25	NO NO			
A 278W			P1-628 P3-U2					.15 .19	NO NO		7, 18 4	
A 279	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 279B	2		E24-B SHLD A279					.25 .25	NO NO			
A 279W			P1-629 P3-U3					.15 .19	NO NO		7, 18 4	
A 280	1				6.25 3.25	6.00 3.00				B,7 A,6A	9 8, 9	
A 280B	2		E24-B SHLD A280					.25 .25	NO NO			
A 280W			P1-630 P3-U4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 76 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 281	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 281B	2		E24-B SHLD A281					.25 .25	NO NO			
A 281W			P1-631 P3-U5					.15 .19	NO NO		7, 18 4	
A 282	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 282B	2		E24-B SHLD A282					.25 .25	NO NO			
A 282W			P1-632 P3-U6					.15 .19	NO NO		7, 18 4	
A 283	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 283B	2		E24-B SHLD A283					.25 .25	NO NO			
A 283W			P1-633 P3-U7					.15 .19	NO NO		7, 18 4	
A 284	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 284B	2		E24-B SHLD A284					.25 .25	NO NO			
A 284W			P1-634 P3-U8					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 77 OF 85

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 285	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 285B	2		E25-B SHLD A285					.25 .25	NO NO			
A 285W			P1-635 P3-V1					.15 .19	NO NO		7, 18 4	
A 286	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 286B	2		E25-B SHLD A286					.25 .25	NO NO			
A 286W			P1-636 P3-V2					.15 .19	NO NO		7, 18 4	
A 287	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 287B	2		E25-B SHLD A287					.25 .25	NO NO			
A 287W			P1-637 P3-V3					.15 .19	NO NO		7, 18 4	
A 288	1				6.75 3.75	6.50 3.50				B,7 A,6A	9 8, 9	
A 288B	2		E25-B SHLD A288					.25 .25	NO NO			
A 288W			P1-638 P3-V4					.15 .19	NO NO		7, 18 4	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR D	SHEET 78 OF 85

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 289	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 289B	2		E25-B SHLD A289					.25 .25	NO NO			
A 289W			P1-639 P3-V5					.15 .19	NO NO		7, 18 4	
A 290	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 290B	2		E25-B SHLD A290					.25 .25	NO NO			
A 290W			P1-640 P3-V6					.15 .19	NO NO		7, 18 4	
A 291	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 291B	2		E25-B SHLD A291					.25 .25	NO NO			
A 291W			P1-641 P3-V7					.15 .19	NO NO		7, 18 4	
A 292	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 292B	2		E25-B SHLD A292					.25 .25	NO NO			
A 292W			P1-642 P3-V8					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 79 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 293	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 293B	2		E25-B SHLD A293					.25 .25	NO NO			
A 293W			P1-643 P3-W1					.15 .19	NO NO		7, 18 4	
A 294	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 294B	2		E25-B SHLD A294					.25 .25	NO NO			
A 294W			P1-644 P3-W2					.15 .19	NO NO		7, 18 4	
A 295	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 295B	2		E25-B SHLD A295					.25 .25	NO NO			
A 295W			P1-645 P3-W3					.15 .19	NO NO		7, 18 4	
A 296	1				4.25 4.25	4.00 4.00				B,7 A,6A	9 8, 9	
A 296B	2		E25-B SHLD A296					.25 .25	NO NO			
A 296W			P1-646 P3-W4					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 80 OF 85

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CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 297	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 297B	2		E26-B SHLD A297					.25 .25	NO NO			
A 297W			P1-647 P3-W5					.15 .19	NO NO		7, 18 4	
A 298	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 298B	2		E26-B SHLD A298					.25 .25	NO NO			
A 298W			P1-648 P3-W6					.15 .19	NO NO		7, 18 4	
A 299	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 299B	2		E26-B SHLD A299					.25 .25	NO NO			
A 299W			P1-649 P3-W7					.15 .19	NO NO		7, 18 4	
A 300	1				4.75 4.75	4.50 4.50				B,7 A,6A	9 8, 9	
A 300B	2		E26-B SHLD A300					.25 .25	NO NO			
A 300W			P1-650 P3-W8					.15 .19	NO NO		7, 18 4	

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 81 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 301	6		E1-BB E27-B					.25 .25	NO NO			
A 302	6		E2-BB E27-B					.25 .25	NO NO			
A 303	6		E3-BB E27-B					.25 .25	NO NO			
A 304	6		E4-BB E27-B					.25 .25	NO NO			
A 305	6		E5-BB E27-B					.25 .25	NO NO			
A 306	6		E6-BB E27-B					.25 .25	NO NO			
A 307	6		E7-BB E27-B					.25 .25	NO NO			
A 308	6		E8-BB E27-B					.25 .25	NO NO			
A 309	6		E9-BB E27-B					.25 .25	NO NO			
A 310	6		E10-BB E27-B					.25 .25	NO NO			
A 311	6		E11-BB E27-B					.25 .25	NO NO			
A 312	6		E12-BB E27-B					.25 .25	NO NO			

SIZE A
CODE IDENT NO. 99974
2901058
SCALE-NONE
REV LTR D
SHEET 82 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ~~B~~ *

LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 313	6		E13-BB					.25	NO			
			E27-B					.25	NO			
A 314	6		E14-BB					.25	NO			
			E28-B					.25	NO			
A 315	6		E15-BB					.25	NO			
			E28-B					.25	NO			
A 316	6		E16-BB					.25	NO			
			E26-B					.25	NO			
A 317	6		E17-BB					.25	NO			
			E28-B					.25	NO			
A 318	6		E18-BB					.25	NO			
			E26-B					.25	NO			
A 319	6		E19-BB					.25	NO			
			E28-B					.25	NO			
A 320	6		E20-BB					.25	NO			
			E28-B					.25	NO			
A 321	6		E21-BB					.25	NO			
			E28-B					.25	NO			
A 322	6		E22-BB					.25	NO			
			E28-B					.25	NO			
A 323	6		E23-BB					.25	NO			
			E28-B					.25	NO			
A 324	6		E24-BB					.25	NO			
			E28-B					.25	NO			

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR * ~~B~~ D	SHEET 83 OF 85

MIL 2084 9-65

CABLE ASSEMBLY W552 2901058 D ~~B~~ *

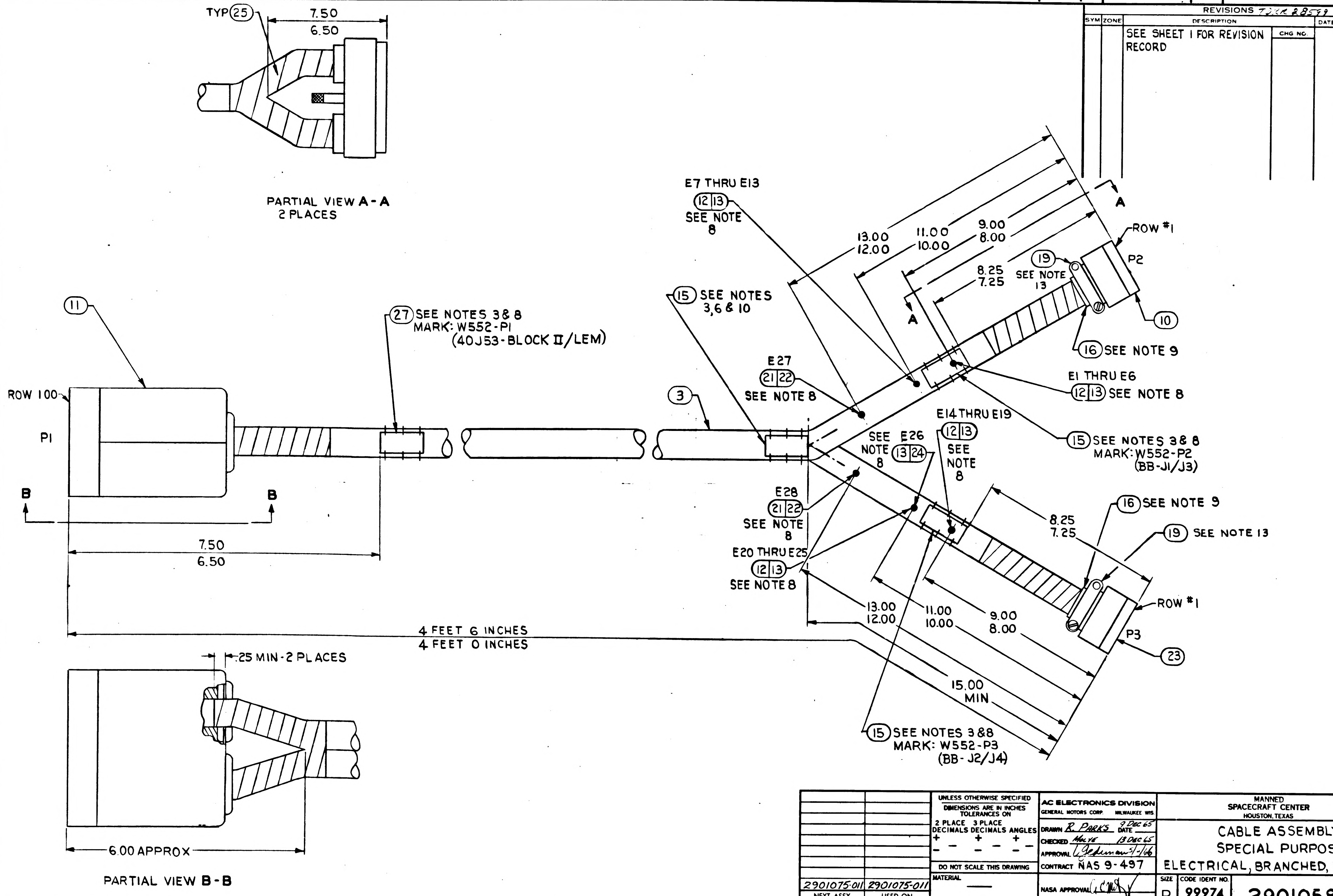
LEAD IDENT	WIRE MATL ITEM	LEAD LG	CIRCUIT PT FROM (A) TO (B)	TERM. AREA NO.	JKT STRIP LG	SHLD STRIP LG	LEAD CUT LG	INS STRIP LG	TIN	NOTE ONE, FIG	ACCESSORY ITEMS	REMARKS
A 325	6		E25-BB					.25	NO			
			E28-B					.25	NO			
A 326	6		E26-BB					.25	NO			
			E28-B					.25	NO			
A 327	5		E27-BB					.25	NO			
			P2-X6					.19	NO		26	
A 328	5		E28-BB					.25	NO			
			P3-X6					.19	NO		26	

SIZE	CODE IDENT NO.	
A	99974	2901058
SCALE-NONE	REV LTR * ~~B~~ D	SHEET 84 OF 85

MIL 2084 9-65

D | 2901058 | 2

REVISIONS TDRR 28599					
SYM	ZONE	DESCRIPTION	CHG NO.	DATE	APPD
		SEE SHEET 1 FOR REVISION RECORD			



TYP (25)
7.50
6.50
PARTIAL VIEW A-A
2 PLACES
E7 THRU E13
(12)(13)
SEE NOTE 8
13.00
12.00
11.00
10.00
9.00
8.00
8.25
7.25
A
ROW #1
P2
(19)
SEE NOTE 13
(10)
(16) SEE NOTE 9
E1 THRU E6
(12)(13) SEE NOTE 8
(15) SEE NOTES 3,6 & 10
(11)
(27) SEE NOTES 3 & 8
MARK: W552-P1
(40J53-BLOCK II/LEM)
ROW 100
P1
(3)
E27
(21)(22)
SEE NOTE 8
E14 THRU E19
(12)(13)
SEE NOTE 8
SEE NOTE 8
E26
(13)(24)
(15) SEE NOTES 3 & 8
MARK: W552-P2
(BB-J1/J3)
B
B
E28
(21)(22)
SEE NOTE 8
E20 THRU E25
(12)(13)
SEE NOTE 8
7.50
6.50
(16) SEE NOTE 9
8.25
7.25
(19) SEE NOTE 13
ROW #1
P3
(23)
13.00
12.00
11.00
10.00
9.00
8.00
4 FEET 6 INCHES
4 FEET 0 INCHES
15.00 MIN
(15) SEE NOTES 3 & 8
MARK: W552-P3
(BB-J2/J4)
.25 MIN-2 PLACES
6.00 APPROX
PARTIAL VIEW B-B

2901075-011	2901075-011
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON
2 PLACE DECIMALS 3 PLACE DECIMALS ANGLES
+ \- \+ \- \+ \-

DO NOT SCALE THIS DRAWING

MATERIAL —

APPROVAL

AC ELECTRONICS DIVISION
GENERAL MOTORS CORP. MILWAUKEE WIS.

DRAWN R. PARKS DATE 9 DEC 65
CHECKED Mal YE 13 DEC 65
APPROVAL L. Gedeman 5-1-66
CONTRACT NAS 9-497
NASA APPROVAL
MIT APPROVAL 5-9-66

MANNED
SPACECRAFT CENTER
HOUSTON, TEXAS

CABLE ASSEMBLY,
SPECIAL PURPOSE,
ELECTRICAL, BRANCHED, W552

SIZE D
CODE IDENT NO. 99974
2901058
SCALE NONE
SHEET 85 OF 85